



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	07/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 In which of the following regions in India are Tropical Evergreen Forests found?

- Ans**
- ☒ 1. Punjab
 - ☒ 2. Sunderbans
 - ☒ 3. Western Ghats
 - ☒ 4. Rajasthan

Q.2 As of March 14, 2024, which of the following is the world's tallest statue?

- Ans**
- ☒ 1. Tathagata Tsal, Sikkim
 - ☒ 2. Statue of Unity, Gujarat
 - ☒ 3. Thiruvalluvar Statue, Kanyakumari
 - ☒ 4. Adiyogi Shiva Statue, Coimbatore

Q.3 What was a major focus of the 61st Constitutional Amendment?

- Ans**
- ☒ 1. Introduction of Anti-Defection Law
 - ☒ 2. Reduction of voting age from 21 to 18 years
 - ☒ 3. Reservation of seats for women in Panchayats
 - ☒ 4. Abolition of Privy Purses for former rulers

Q.4 The term 'Sangam' refers to which of the following?

- Ans**
- ☒ 1. A Tamil dynasty
 - ☒ 2. A literary assembly of Tamil scholars
 - ☒ 3. A type of Tamil poetry
 - ☒ 4. South Indian religious texts

Q.5 Which international organisation supports globalisation and free trade?

- Ans**
- ☒ 1. WHO
 - ☒ 2. WTO
 - ☒ 3. UNESCO
 - ☒ 4. IMF



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Q.6 The desktop background is also known as:

- Ans**
- ✓ 1. wallpaper
 - ✗ 2. icon
 - ✗ 3. file
 - ✗ 4. menu

Q.7 Which Indian state hosted the 38th National Games in 2025?

- Ans**
- ✗ 1. Odisha
 - ✓ 2. Uttarakhand
 - ✗ 3. Bihar
 - ✗ 4. Madhya Pradesh

Q.8 What can happen if rocks are not weathered in the context of the movement of Earth's materials?

- Ans**
- ✗ 1. Mass movement would be more frequent
 - ✗ 2. Soil fertility would improve
 - ✓ 3. Erosion would be insignificant
 - ✗ 4. Erosion would increase

Q.9 Which of the following Acts aims to prevent money laundering in India?

- Ans**
- ✗ 1. SEBI
 - ✗ 2. FEMA
 - ✓ 3. PMLA
 - ✗ 4. FCRA

Q.10 Which sweetener, first used in 1879, has received FDA approval for use in fruit juice beverages?

- Ans**
- ✗ 1. Aspartame
 - ✗ 2. Sucralose
 - ✓ 3. Saccharin
 - ✗ 4. Neotame

Q.11 Which event marked the pivot moment in the extremist and moderate struggle during the Indian freedom struggle?

- Ans**
- ✗ 1. Jallianwala Bagh Massacre
 - ✗ 2. Champaran Satyagraha
 - ✓ 3. Surat Split
 - ✗ 4. Partition of Bengal

Q.12 Which of the following best describes the public sector's role in the Indian economy during 1947–1991?

- Ans**
- ✓ 1. Dominant in core and heavy industries
 - ✗ 2. Only limited to agriculture
 - ✗ 3. Minimal presence
 - ✗ 4. Focussed only on foreign trade

Q.13 According to Ibn Battuta, a Moroccan traveller to India during the Delhi Sultanate, the method of postal system in which the royal horses were used to transfer packages, is called:

- Ans**
- ✗ 1. Dawa
 - ✓ 2. Uluq
 - ✗ 3. Mansabdari
 - ✗ 4. Ikat



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Q.14 How many small states of present-day Odisha were integrated into the Indian Union at the time of Partition?

- Ans**
- ☒ 1. 26
 - ☐ 2. 42
 - ☐ 3. 34
 - ☐ 4. 15

Q.15 Which programme aims to ensure access to safe and adequate drinking water through tap connections by 2024?

- Ans**
- ☒ 1. Jal Jeevan Mission
 - ☐ 2. Jal Kranti Abhiyan
 - ☐ 3. PM-KUSUM
 - ☐ 4. Atal Bhujal Yojana

Q.16 The distribution of population in India is:

- Ans**
- ☐ 1. uniform across all regions
 - ☐ 2. more in desert areas
 - ☐ 3. denser in hilly regions
 - ☒ 4. uneven, with variations across regions

Q.17 Which acid is used in non-ionic detergent reactions to improve cleaning qualities and thicken detergents?

- Ans**
- ☒ 1. Stearic acid
 - ☐ 2. Barbituric acid
 - ☐ 3. Propanoic acid
 - ☐ 4. Oxalic acid

Q.18 In April 2025, which Indian cricketer was named for Wisden Leading Cricketers in the World 2024 who scored 1659 runs across formats in 2024?

- Ans**
- ☐ 1. Harmanpreet Kaur
 - ☒ 2. Smriti Mandhana
 - ☐ 3. Jemimah Rodrigues
 - ☐ 4. Harleen Deol

Q.19 Which State Government launched India's first ferret research facility in February 2025?

- Ans**
- ☐ 1. Punjab
 - ☐ 2. Rajasthan
 - ☐ 3. Delhi
 - ☒ 4. Haryana

Q.20 The US Army contingent that participated in Exercise YUDH ABHYAS held in September 2024 belonged to which of the following divisions?

- Ans**
- ☐ 1. 82nd Airborne Division
 - ☒ 2. 11th Airborne Division
 - ☐ 3. 1st Infantry Division
 - ☐ 4. 101st Airborne Division

Q.21 Which state became the leading beneficiary of the Green Revolution in India?

- Ans**
- ☐ 1. Bihar
 - ☐ 2. Assam
 - ☒ 3. Punjab
 - ☐ 4. Odisha



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Q.22 Which of the following elements is classified as an actinoid group element?

- Ans**
- ✓ 1. Thorium
 - ✗ 2. Ytterbium
 - ✗ 3. Lanthanum
 - ✗ 4. Cerium

Q.23 Which department has notified rules for the use of radar equipment to measure vehicle speed under the Legal Metrology (General) Rules, 2011?

- Ans**
- ✓ 1. Department of Consumer Affairs
 - ✗ 2. Ministry of Electronics and Information Technology
 - ✗ 3. Ministry of Road Transport and Highways
 - ✗ 4. Ministry of Home Affairs

Q.24 Which of the following is the easternmost range of the Himalayas?

- Ans**
- ✗ 1. Zaskar
 - ✓ 2. Purvanchal Range
 - ✗ 3. Dhauladhar
 - ✗ 4. Pir Panjal

Q.25 The Bhimbetka rock shelters, known for prehistoric cave paintings, are located in which of the following states of India?

- Ans**
- ✓ 1. Madhya Pradesh
 - ✗ 2. Uttar Pradesh
 - ✗ 3. Rajasthan
 - ✗ 4. Gujarat

Q.26 Protection of environment and wildlife is mentioned in which Article of the Indian Constitution?

- Ans**
- ✓ 1. Article 48A
 - ✗ 2. Article 48
 - ✗ 3. Article 47
 - ✗ 4. Article 49

Q.27 Which of the following operating systems is NOT typically used on desktop or laptop computers?

- Ans**
- ✗ 1. Windows
 - ✓ 2. Android
 - ✗ 3. Linux
 - ✗ 4. macOS

Q.28 A single narrative detailing one of Buddha's former existences is known by which of the following names?

- Ans**
- ✗ 1. Vinaya
 - ✓ 2. Jataka
 - ✗ 3. Tripitaka
 - ✗ 4. Sutra

Q.29 What legal document allowed Princely States to join either India or Pakistan after independence?

- Ans**
- ✓ 1. Instrument of Accession
 - ✗ 2. Standstill Agreement
 - ✗ 3. Treaty of Accession
 - ✗ 4. Pact of Unity



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Q.30 Which of the following is the Chief Minister of a state in India primarily responsible for?

Ans ☐ 1. President of India

☐ 2. Supreme Court

☐ 3. State Legislative Assembly

☒ 4. Governor of the State

Q.31 Which region of India is most suitable for tea cultivation due to its climate and soil?

Ans ☐ 1. Western Rajasthan

☐ 2. Deccan Plateau

☒ 3. Assam and North Bengal

☐ 4. Punjab and Haryana

Q.32 What is the name of the programme that supports AI-based learning in government schools?

Ans ☐ 1. Smart EduTech

☐ 2. Vidya Connect

☒ 3. FLN-AXL

☐ 4. Digital India Learning

Q.33 Which of the following best describes 'intergenerational equity'?

Ans ☐ 1. Fair allocation of resources among various income groups

☒ 2. Fair use of resources to ensure availability for future generations

☐ 3. Fair distribution of resources among present-day nations

☐ 4. Equal economic opportunities for all age-based population groups

Q.34 The indigenous CAR-T therapy has shown maximum efficacy against B-ALL and which other blood cancer?

Ans ☒ 1. Non-Hodgkin Lymphoma

☐ 2. Hodgkin Lymphoma

☐ 3. Chronic Myeloid Leukaemia

☐ 4. Multiple Myeloma

Q.35 At the Global Production Awards held on 20 May 2025 during the Cannes Film Festival, which city was honoured with the Best City of Film Award?

Ans ☐ 1. Dublin

☐ 2. Cardiff

☐ 3. Edinburgh

☒ 4. Belfast

Q.36 On 19 February 2025, which state's cabinet approved the Bhoo Kanoon (Land Law Amendment Bill) to regulate the purchase and sale of agricultural, horticultural and residential land by non-residents?

Ans ☐ 1. Jammu and Kashmir

☐ 2. Arunachal Pradesh

☐ 3. Himachal Pradesh

☒ 4. Uttarakhand

Q.37 Who among the following was appointed as a Deputy Governor of the Reserve Bank of India (RBI) in May 2025?

Ans ☐ 1. Dr. Rakesh Mohan

☐ 2. Dr. Anshula Kant

☒ 3. Dr. Poonam Gupta

☐ 4. Dr. Urjit Patel



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Q.38 What is the projected annual growth rate of India-UK bilateral trade under the new Free Trade Agreement (FTA)?

- Ans**
- ☐ 1. 20%
 - ☐ 2. 10%
 - ☒ 3. 15%
 - ☐ 4. 12%

Q.39 Who is the highest law officer in a state?

- Ans**
- ☐ 1. Legal Advisor
 - ☐ 2. Attorney General
 - ☐ 3. Law Secretary
 - ☒ 4. Advocate General

Q.40 Who among the following launched the Ayushman Vay Vandana Card in Delhi in April 2025, along with Delhi Chief Minister Rekha Gupta?

- Ans**
- ☐ 1. Pinarayi Vijayan
 - ☐ 2. Vinai Kumar Saxena
 - ☐ 3. JP Nadda
 - ☒ 4. Hardeep Singh Puri

Section : Mathematics

Q.1 A number, when increased by 100%, gives 2820. The number is:

- Ans**
- ☐ 1. 705
 - ☐ 2. 2820
 - ☒ 3. 1410
 - ☐ 4. 4230

Q.2 The cost of 8 pens and 10 pencils is ₹132. If the cost of a pen decreases by ₹2 and the cost of a pencil increases by ₹7, then the cost of 17 pens and 6 pencils is ₹136. What is the original cost of 12 pens and 9 pencils?

- Ans**
- ☒ 1. ₹138
 - ☐ 2. ₹143
 - ☐ 3. ₹136
 - ☐ 4. ₹135

Q.3 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 16^\circ$. E is a point on BC such that $\angle CAE = 51^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☐ 1. 135°
 - ☐ 2. 139°
 - ☐ 3. 113°
 - ☒ 4. 125°

Q.4 ₹75,400 were divided among A, B and C, such that 3 times the share of A = 9 times the share of B = 4 times the share of C. Find the share of A.

- Ans**
- ☐ 1. ₹36,127
 - ☒ 2. ₹36,192
 - ☐ 3. ₹36,032
 - ☐ 4. ₹36,236



Q.5 Which of the following numbers divides 774359327?

- Ans
- ☒ 1. 7
 - ☐ 2. 12
 - ☐ 3. 2
 - ☐ 4. 16

Q.6 Which of the following numbers divides 545714151?

- Ans
- ☐ 1. 10
 - ☐ 2. 6
 - ☐ 3. 7
 - ☒ 4. 3

Q.7 A sector is formed by a circular arc with a radius of 9 cm, subtending an 18° angle at the centre. What is its perimeter?

(Use $\pi = 3.14$) (Rounded up to two decimal places.)

- Ans
- ☐ 1. 22.46 cm
 - ☐ 2. 24.14 cm
 - ☒ 3. 20.83 cm
 - ☐ 4. 18.38 cm

Q.8 In an election between two candidates, 85% of the registered voters cast their vote and 4% of the votes polled were found invalid. The winning candidate got 65% of the valid votes and won the election by a margin of 2142 votes. How many voters were registered?

- Ans
- ☐ 1. 8747
 - ☒ 2. 8750
 - ☐ 3. 8751
 - ☐ 4. 8752

Q.9 If the third proportional of 16 and 56 be x, then what is the value of x?

- Ans
- ☒ 1. 196
 - ☐ 2. 195
 - ☐ 3. 198
 - ☐ 4. 193

Q.10 Priya can do a certain piece of work in 26 days. Priya and Varsha can together do the same work in 13 days, and Priya, Varsha and Nisha can do the same work together in 10 days. In how many days can Priya and Nisha do the same work together?

- Ans
- ☐ 1. $\frac{71}{4}$
 - ☒ 2. $\frac{65}{4}$
 - ☐ 3. $\frac{56}{6}$
 - ☐ 4. $\frac{73}{5}$



Q.11 Arjun and Malaika have to travel from Delhi to Kanpur in their respective cars. Arjun is driving at 138 km/hr while Malaika is driving at 92 km/hr. Find the time taken by Malaika to reach Kanpur if Arjun takes 8 hours.

- Ans**
- ☐ 1. 13 hours
 - ☒ 2. 12 hours
 - ☐ 3. 4 hours
 - ☐ 4. 7 hours

Q.12 A trader claims to sell flour at a profit of 47%, but also dishonestly uses a weight which is 8% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)

- Ans**
- ☒ 1. 60%
 - ☐ 2. 55%
 - ☐ 3. 61%
 - ☐ 4. 65%

Q.13 If 3 times Mary's present age is 20 years more than 5 times Diya's present age, and 2 times Diya's present age is 2 years less than Mary's present age, then what is the difference (in years) between the ages of Mary and Dia?

- Ans**
- ☐ 1. 11
 - ☐ 2. 12
 - ☒ 3. 16
 - ☐ 4. 15

Q.14 Find a single discount equivalent to successive discounts of 20%, 25% and 15%.

- Ans**
- ☒ 1. 49%
 - ☐ 2. 42%
 - ☐ 3. 46%
 - ☐ 4. 44%

Q.15 The number of prime numbers lying between 331 and 345, both included, is:

- Ans**
- ☐ 1. 5
 - ☐ 2. 3
 - ☐ 3. 4
 - ☒ 4. 2

Q.16 Varun bought some erasers at the rate of ₹150/dozen. He sold them for ₹18 each. His profit percentage is ____%.

- Ans**
- ☐ 1. 48
 - ☐ 2. 46
 - ☒ 3. 44
 - ☐ 4. 42

Q.17 The LCM of the numbers 15.4 and 0.006 is:

- Ans**
- ☐ 1. 0.462
 - ☐ 2. 462
 - ☒ 3. 46.2
 - ☐ 4. 4.62



Q.18 If $\frac{(\sin\theta + \cos\theta)}{(\sin\theta - 4\cos\theta)} = 11$, then the value of $\frac{(13\sin^2\theta + 3\cos^2\theta - 3)}{\cos^2\theta}$ is:

- Ans
- ☐ 1. 15
 - ☐ 2. $\frac{19}{2}$
 - ☒ 3. $\frac{405}{2}$
 - ☐ 4. $\frac{471}{2}$

Q.19 Find the circumference (in m) of the largest circle that can be drawn completely inside a rectangle whose dimensions are given as 14 m and 116 m.
(Take $\pi = \frac{22}{7}$.)

- Ans
- ☐ 1. 47
 - ☒ 2. 44
 - ☐ 3. 36
 - ☐ 4. 37

Q.20 What sum of money (in ₹) will amount to ₹2,400 at 4% per annum simple interest in 5 years?

- Ans
- ☐ 1. ₹12,000
 - ☐ 2. ₹2,050
 - ☒ 3. ₹2,000
 - ☐ 4. ₹1,950

Q.21 Find the value of $62^3 \div 62^2 \times 62^{-13}$.

- Ans
- ☐ 1. 62^{-18}
 - ☐ 2. 62^{-26}
 - ☐ 3. 62^{-23}
 - ☒ 4. 62^{-12}

Q.22 A jacket is marked at ₹4,000. During a festive sale, it is given two successive discounts of 32% and 22%. What is the final price after both discounts, and what is the effective percentage discount?

- Ans
- ☐ 1. ₹1,840 ; 54%
 - ☐ 2. ₹2,352.2 ; 44.23%
 - ☐ 3. ₹1,820 ; 49%
 - ☒ 4. ₹2,121.6 ; 46.96%

Q.23 The average runs scored by a batsman in 23 matches is 41. In the next 10 matches, the batsman scored an average of 16 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

- Ans
- ☐ 1. 34.42
 - ☒ 2. 33.42
 - ☐ 3. 35.42
 - ☐ 4. 32.42

Q.24 In covering a distance of 150 km, Pranay takes 2 hours more than Aman. If Pranay doubles his speed, then he would take 3 hours less than Aman. Pranay's speed is:

- Ans
- ☐ 1. 6 km/hr
 - ☐ 2. 11 km/hr
 - ☒ 3. 15 km/hr
 - ☐ 4. 20 km/hr



Q.25 The value of $\sqrt{169} + \sqrt{0.0144} - \sqrt{5.76}$ is _____.

- Ans
- ✓ 1. 10.72
 - ✗ 2. 15.09
 - ✗ 3. 15.76
 - ✗ 4. 9.35

Q.26 Find the simple interest (in ₹) on ₹4,000 at 6.75% per annum rate of interest deposited on 25 February 2024 and withdrawn on 26 April 2024.

- Ans
- ✗ 1. ₹44
 - ✗ 2. ₹43
 - ✓ 3. ₹45
 - ✗ 4. ₹46

Q.27 Sanjana, Kartik and Deepa invested ₹1,050, ₹1,320 and ₹1,730, respectively to start a business. If the profit at the end of the year is ₹1,230, what is Deepa's share of the profit?

- Ans
- ✗ 1. ₹516
 - ✓ 2. ₹519
 - ✗ 3. ₹517
 - ✗ 4. ₹520

Q.28 A can lay railway track between two given stations in 22 days and B can do the same job in 11 days. With the help of C, they did the job in 5 days only. Then, C alone can do the job in

- Ans
- ✓ 1. $15\frac{5}{7}$ days
 - ✗ 2. $21\frac{5}{7}$ days
 - ✗ 3. $16\frac{5}{7}$ days
 - ✗ 4. $12\frac{5}{7}$ days

Q.29 Simplify: $3\left(\left(\frac{7}{3}\right)x^2 - 27x + 14\right) - 7(x^2 + 8x - 11)$.

- Ans
- ✗ 1. $-137x - 119$
 - ✗ 2. $137x - 119$
 - ✓ 3. $-137x + 119$
 - ✗ 4. $137x + 119$

Q.30 What is the median of the following data?

76, 35, 42, 49, 95, 21, 68, 41, 20, 27, 17

- Ans
- ✗ 1. 42
 - ✗ 2. 41.5
 - ✓ 3. 41
 - ✗ 4. 40.5



Q.1 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 8354671, then how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. One
 - ☐ 2. Two
 - ☐ 3. None
 - ☒ 4. Three

Q.2 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

NEST - ESNT - TSEN
GONE - ONGE - ENOG

- Ans**
- ☒ 1. LIES - IELS - SEIL
 - ☐ 2. MAST - AMST - TASM
 - ☐ 3. COPE - OPCE - OPEC
 - ☐ 4. SING - SNIG - GNIS

Q.3 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ICV 16 LGS 5 OKP -6 ROM -17 ?

- Ans**
- ☐ 1. SJD -21
 - ☐ 2. UHT -21
 - ☒ 3. USJ -28
 - ☐ 4. JUD -20

Q.4 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) ? > @ ^ @ \ ? + \$ 6 7 \ 1 & @ 1 4 2 2 % 9 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by another number?

- Ans**
- ☐ 1. None
 - ☒ 2. Two
 - ☐ 3. Three
 - ☐ 4. One

Q.5 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All teas are bins.
No tea is a sock.

Conclusions:

(I): Some socks are bins.
(II): All bins are socks.

- Ans**
- ☐ 1. Both conclusions (I) and (II) follow.
 - ☐ 2. Only conclusion (I) follows.
 - ☐ 3. Only conclusion (II) follows.
 - ☒ 4. Neither conclusion (I) nor (II) follows.



Q.6 Satish starts from Point Y and drives 19 km towards west. He then takes a right turn, drives 10 km. He then turns right and drives 11 km. He takes a final right turn, drives 10 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 7 km towards south
 - ☐ 2. 5 km towards north
 - ☐ 3. 6 km towards west
 - ☒ 4. 8 km towards east

Q.7 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. HLF
 - ☐ 2. MQK
 - ☐ 3. KOI
 - ☒ 4. FJC

Q.8 T is the daughter of A. A is married to M. M is the son of K. K is married to J. J is the father of D. D is the brother of N. G is the son of N. How is K related to T?

- Ans**
- ☒ 1. Father's mother
 - ☐ 2. Mother's brother
 - ☐ 3. Father's father
 - ☐ 4. Mother's father

Q.9 In a certain code language, 'like his attitude' is coded as 'nt yg fr' and 'his first salary' is coded as 'kt lo yg'. How is 'his' coded in the given language?

- Ans**
- ☒ 1. yg
 - ☐ 2. fr
 - ☐ 3. kt
 - ☐ 4. nt

Q.10 In a row of people all facing north, Rikshit is 31st from the right end and Palak is 32nd from the right end. The number of people between Palak and Rikshit is same as the number of people between Palak and Huma. If Huma is 10th from the left end of the row, how many people are there in the row?

- Ans**
- ☐ 1. 43
 - ☐ 2. 41
 - ☐ 3. 44
 - ☒ 4. 42

Q.11 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$46 A 2 C 21 D 8 B 3 = ?$$

- Ans**
- ☐ 1. 33
 - ☒ 2. 20
 - ☐ 3. 26
 - ☐ 4. 41



Q.12 This question is based on the five, three-digit numbers given below.

(Left) 324 523 643 136 441 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If 3 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

Ans  1. 1

 2. 4

 3. 3

 4. 2

Q.13 Seven boxes, A, B, C, D, M, N and O, are kept one over the other but not necessarily in the same order.

No box is kept above B. Only three boxes are kept between B and N. Only one box is kept between D and A. Only C is kept below O. A is kept immediately above N. Only four boxes are kept between D and C. How many boxes are kept below M?

Ans  1. Five

 2. Four

 3. Two

 4. Three

Q.14 In a certain code language, 'GALE' is coded as '7513' and 'FLEA' is coded as '5197'. What is the code for 'F' in that language?

Ans  1. 1

 2. 9

 3. 5

 4. 7

Q.15 Seven people, A, B, C, T, U, V and W are sitting in a row, facing north. Only two people sit to the right of C. Only two people sit between C and U. Only two people sit between A and V. V sits to the immediate left of C. T sits to the immediate right of W. Who sits at third position from the left end of the line?

Ans  1. T

 2. U

 3. A

 4. B

Q.16 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

All Cabbages are Peas.

No Peas are Broccolis.

Conclusions:

I: No Broccolis are Cabbages.

II: Some Broccolis are Cabbages.

Ans  1. Only conclusion (I) follows.

 2. Neither conclusion (I) nor (II) follows.

 3. Only conclusion (II) follows.

 4. Both conclusions (I) and (II) follow.



Q.17 What should come in place of the question mark (?) in the given series?

779 780 784 793 809 ?

- Ans**
- ☐ 1. 831
 - ☐ 2. 837
 - ☒ 3. 834
 - ☐ 4. 841

Q.18 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

GN-JQ-MP
DK-GN-JM

- Ans**
- ☐ 1. JQ-MT-PR
 - ☒ 2. JQ-MT-PS
 - ☐ 3. IQ-NT-PR
 - ☐ 4. IQ-MT-PR

Q.19 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FJN 45, DHL 40, BFJ 35, ZDH 30, XBF 25, ?

- Ans**
- ☒ 1. VZD 20
 - ☐ 2. VUD 20
 - ☐ 3. VZE 20
 - ☐ 4. UZD 20

Q.20 If 2 is added to each odd digit and 3 is subtracted from each even digit in the number 7843651, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. Three
 - ☒ 2. Two
 - ☐ 3. One
 - ☐ 4. None

Q.21 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. HDK
 - ☒ 2. FBJ
 - ☐ 3. MIP
 - ☐ 4. JFM

Q.22 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

RACK - AKCR - KCAR
LOAD - ODAL - DAOL

- Ans**
- ☐ 1. ABLE - BALE - EBLA
 - ☐ 2. NAPS - NPAS - SPAN
 - ☒ 3. ITEM - TMEI - METI
 - ☐ 4. FLAT - LFAT - TLAF



Q.23 What should come in place of the question mark (?) in the given series?

456 457 455 456 454 455 453 ?

- Ans**
- ☒ 1. 454
 - ☐ 2. 453
 - ☐ 3. 456
 - ☐ 4. 455

Q.24 A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits second to the right of C. E sits third to the left of B. D is the immediate neighbour of G and A. F sits second to the left of G. How many people sit between A and B when counted from the left of A?

- Ans**
- ☐ 1. Four
 - ☒ 2. Two
 - ☐ 3. Three
 - ☐ 4. One

Q.25 What should come in place of the question mark (?) in the given series?
6 9 15 24 36 ?

- Ans**
- ☒ 1. 51
 - ☐ 2. 41
 - ☐ 3. 75
 - ☐ 4. 52

Q.26 All 105 students in a class are standing in a row facing north. Ravi is 49th from the right end while Shruti is 38th from the left end. How many people stand between Ravi and Shruti?

- Ans**
- ☐ 1. 19
 - ☐ 2. 17
 - ☐ 3. 16
 - ☒ 4. 18

Q.27 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. PN-QO
 - ☐ 2. QO-RP
 - ☐ 3. LJ-MK
 - ☒ 4. US-UV

Q.28 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

52, 81
72, 101

- Ans**
- ☐ 1. 84, 107
 - ☒ 2. 75, 104
 - ☐ 3. 79, 102
 - ☐ 4. 53, 76



Q.29 Mr. Oxi starts from Point A and drives 9 km towards the south. He then takes a right turn and drives 3 km, then turns right and drives 15 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 8 km to the west
 - ☐ 2. 7 km to the east
 - ☐ 3. 8 km to the south
 - ☐ 4. 8 km to the east

Q.30 If 1 is added for each even digit and 1 is subtracted from each odd digit of the number 56218643, how many digits are repeated more than once in the new number thus formed?

- Ans**
- ☐ 1. None
 - ☐ 2. Three
 - ☒ 3. One
 - ☐ 4. Two





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	07/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which Indian author won the 2025 International Booker Prize for the short story collection 'Heart Lamp'?

- Ans**
- ☒ 1. Jeet Thayil
 - ☒ 2. Deepa Bhashti
 - ☒ 3. Banu Mushtaq
 - ☒ 4. Pratibha Satpathy

Q.2 Which of the following quantities remains unchanged when a charged particle moves in a magnetic field?

- Ans**
- ☒ 1. Direction of velocity
 - ☒ 2. Kinetic energy
 - ☒ 3. Momentum direction
 - ☒ 4. Angular momentum

Q.3 Which of the following is responsible for managing shortcut links and desktop visual layout?

- Ans**
- ☒ 1. Windows Shell
 - ☒ 2. Command Prompt
 - ☒ 3. Task Scheduler
 - ☒ 4. File Explorer

Q.4 India has unveiled a comprehensive plan worth ₹9.15 lakh crore (US\$ 109.50 billion) to enhance its power infrastructure and meet a projected demand of 458 GW by _____.

- Ans**
- ☒ 1. 2034
 - ☒ 2. 2036
 - ☒ 3. 2032
 - ☒ 4. 2030

Q.5 Under the Government of India Act, 1919, which subjects were transferred to Indian ministers?

- Ans**
- ☒ 1. Police and Revenue
 - ☒ 2. Judiciary and Foreign Affairs
 - ☒ 3. Education and Health
 - ☒ 4. Defence and Railways



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Q.6 Which of the following factors best explains the formation of ox-bow lakes along river courses?

- Ans**
- ☐ 1. Sudden uplift of riverbeds by tectonic activity
 - ☐ 2. Tectonic uplift disrupting the flow
 - ☐ 3. Glacial retreat leaving depressions
 - ☒ 4. Lateral erosion on the outer banks and deposition on the inner banks

Q.7 Which neighbouring country did India accuse of supporting cross-border infiltration attempts in Jammu and Kashmir in early 2025?

- Ans**
- ☒ 1. Pakistan
 - ☐ 2. Bangladesh
 - ☐ 3. Sri Lanka
 - ☐ 4. Nepal

Q.8 Which of the following countries will restrict the Mt. Everest Permit to only those who have already climbed 7000 m?

- Ans**
- ☐ 1. Mongolia
 - ☐ 2. USA
 - ☐ 3. Japan
 - ☒ 4. Nepal

Q.9 The Contact Process is used for the manufacturing of which of the following chemicals?

- Ans**
- ☐ 1. Ammonia
 - ☐ 2. Nitric acid
 - ☐ 3. Hydrochloric acid
 - ☒ 4. Sulphuric acid

Q.10 During the rule of which of the following Mughal rulers did Sunnis and Shias meet in one mosque and Christians and Jews in one church to pray, thus following the principle of 'universal peace' (sulh-i kul)?

- Ans**
- ☐ 1. Jahangir
 - ☐ 2. Babar
 - ☐ 3. Humayun
 - ☒ 4. Akbar

Q.11 In which of the following Indian states does the Jagar dance form has its primary roots?

- Ans**
- ☐ 1. Himachal Pradesh
 - ☐ 2. Bihar
 - ☐ 3. Jammu and Kashmir
 - ☒ 4. Uttarakhand

Q.12 The Third Battle of Panipat in 1761 was fought between Ahmad Shah Abdali and which Indian power?

- Ans**
- ☐ 1. Mughals
 - ☐ 2. Rajputs
 - ☐ 3. British
 - ☒ 4. Marathas



Q.13 In which of the following cities' suburban trains was Kavach 5.0 launched in April 2025 to enable more trains to run safely and efficiently?

- Ans**
- ☒ 1. Lucknow
 - ☒ 2. Mumbai
 - ☐ 3. New Delhi
 - ☐ 4. Chennai

Q.14 Which policy initiative aims to digitise all Primary Agricultural Credit Societies (PACS)?

- Ans**
- ☐ 1. National Digital Agri Mission
 - ☐ 2. e-Kisan Portal
 - ☐ 3. Co-op Net
 - ☒ 4. PACS Digitization Project

Q.15 Pamban Port is located in which state of India?

- Ans**
- ☒ 1. Tamil Nadu
 - ☐ 2. Maharashtra
 - ☐ 3. Karnataka
 - ☐ 4. Kerala

Q.16 What does the shortcut key Ctrl + S do in most software applications?

- Ans**
- ☒ 1. Saves the current document
 - ☐ 2. Starts a new page
 - ☐ 3. Searches for text in a document
 - ☐ 4. Selects all content

Q.17 Who was the first Chief Election Commissioner of India?

- Ans**
- ☒ 1. Sukumar Sen
 - ☐ 2. V Narahari Rao
 - ☐ 3. HK Kripalani
 - ☐ 4. MC Setalvad

Q.18 Where was the 2025 Regional Forum on Sustainable Development (RFSD) for the UNECE region held on April 2–3?

- Ans**
- ☐ 1. Oslo
 - ☒ 2. Geneva
 - ☐ 3. Vienna
 - ☐ 4. Brussels

Q.19 Where was the BrahMos Aerospace Integration and Testing Facility inaugurated on 11 May 2025?

- Ans**
- ☐ 1. Hyderabad, Telangana
 - ☐ 2. Bengaluru, Karnataka
 - ☒ 3. Lucknow, Uttar Pradesh
 - ☐ 4. Pune, Maharashtra

Q.20 Who translated the book 'Heart Lamp' into English, making it the first Kannada work to win the 2025 International Booker Prize?

- Ans**
- ☒ 1. Deepa Bhashti
 - ☐ 2. Meena Kandasamy
 - ☐ 3. Arshia Sattar
 - ☐ 4. Annie Zaidi



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Q.21 Which of the following movements is also known as the 'Ulgulan' or the 'Great Tumult' movement?

- Ans**
- ✓ 1. Munda uprising
 - ✗ 2. Kol rebellion
 - ✗ 3. Santhal rebellion
 - ✗ 4. Chuar uprising

Q.22 Which of the following is considered the first full-length Indian feature film, released in 1913?

- Ans**
- ✓ 1. Raja Harishchandra
 - ✗ 2. Alam Ara
 - ✗ 3. Keechaka Vadham
 - ✗ 4. Sant Tukaram

Q.23 Which Indian state had the highest Human Development Index (HDI) value according to the NITI Aayog's SDG India Index 2023?

- Ans**
- ✗ 1. Maharashtra
 - ✗ 2. Tamil Nadu
 - ✓ 3. Kerala
 - ✗ 4. Gujarat

Q.24 Which DRDO-developed system, inducted into the Indian Army in 2024, played a crucial role in air defence during Operation Sindoor in 2025?

- Ans**
- ✓ 1. Akashteer
 - ✗ 2. Barak-8
 - ✗ 3. Akash
 - ✗ 4. QRSAM

Q.25 What evidence supports the layered structure of the Earth's interior?

- Ans**
- ✗ 1. Fossil records
 - ✗ 2. Magnetic poles
 - ✗ 3. Volcanic eruptions
 - ✓ 4. Seismic wave behaviour

Q.26 Which of the following was a major drawback of the Indian economy at the time of independence?

- Ans**
- ✗ 1. Self-sufficiency in food grains
 - ✓ 2. High unemployment and poverty
 - ✗ 3. Strong infrastructure
 - ✗ 4. High industrial output

Q.27 Who is the director of the Indian film 'Tanvi: The Great', which had its world premiere at the Cannes Film Market during the 78th Cannes Film Festival in 2025?

- Ans**
- ✓ 1. Anupam Kher
 - ✗ 2. Kiran Rao
 - ✗ 3. Shabana Azmi
 - ✗ 4. Naseeruddin Shah

Q.28 Which of the following diseases is caused by protozoa?

- Ans**
- ✗ 1. Polio
 - ✗ 2. Typhoid
 - ✗ 3. Chicken Pox
 - ✓ 4. Malaria



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Q.29 Which method best characterises the approach of the Moderates?

- Ans**
- ☐ 1. Armed revolution
 - ☐ 2. Guerrilla warfare
 - ☒ 3. Petition and prayer
 - ☐ 4. Cultural renaissance

Q.30 Which term refers to the pre-monsoon showers that occur with a sudden rise in temperature, especially in southern India?

- Ans**
- ☐ 1. Nor'wester
 - ☒ 2. Mango showers
 - ☐ 3. Break in monsoon
 - ☐ 4. Loo

Q.31 Which of the following is the first biosphere reserve established in India?

- Ans**
- ☒ 1. Nilgiri
 - ☐ 2. Sundarbans
 - ☐ 3. Nanda Devi
 - ☐ 4. Gulf of Mannar

Q.32 In March 2025, the Defence Ministry signed contracts with which two companies for the procurement of 155 mm/52 calibre Advanced Towed Artillery Gun System (ATAGS)?

- Ans**
- ☒ 1. Bharat Forge Ltd and Tata Advanced Systems Ltd
 - ☐ 2. Larsen & Toubro Ltd and MTAR Technologies Ltd
 - ☐ 3. Mahindra Defence Systems Ltd and Kalyani Strategic Systems Ltd
 - ☐ 4. Bharat Dynamics Ltd and Hindustan Aeronautics Ltd

Q.33 In which list of the Seventh Schedule does the Central Government have exclusive power to legislate?

- Ans**
- ☐ 1. State List
 - ☐ 2. Concurrent List
 - ☒ 3. Union List
 - ☐ 4. Residual List

Q.34 The Aguada Fort, which is a monument to Portuguese construction and engineering, is situated in which of the following states of India?

- Ans**
- ☐ 1. Gujarat
 - ☒ 2. Goa
 - ☐ 3. Maharashtra
 - ☐ 4. Tamil Nadu

Q.35 The National Multidimensional Poverty Index, published by NITI Aayog, measures poverty beyond income by considering multiple deprivations. Which of the following dimensions is NOT included in India's National Multidimensional Poverty Index (MPI)?

- Ans**
- ☐ 1. Education
 - ☒ 2. Employment
 - ☐ 3. Health
 - ☐ 4. Standard of living



Q.36 Which new electricity trading tool did India propose in 2025 to help companies meet renewable energy targets?

- Ans**
- ☐ 1. Renewable Energy Certificates (RECs)
 - ☐ 2. Green Energy Tariffs
 - ☐ 3. Time-of-Day Net Metering
 - ☒ 4. Virtual Power Purchase Agreements (VPPAs)

Q.37 Which Indian startup unveiled a system to run AI without advanced chips in April 2025?

- Ans**
- ☒ 1. Ziroh Labs
 - ☐ 2. BharatPe
 - ☐ 3. Closeloop Technology
 - ☐ 4. Eka Software

Q.38 Which Schedule of the Constitution deals with the administration of Scheduled Areas and Tribes?

- Ans**
- ☐ 1. Sixth Schedule
 - ☒ 2. Fifth Schedule
 - ☐ 3. Eleventh Schedule
 - ☐ 4. Ninth Schedule

Q.39 What is used to measure a decent standard of living in HDI?

- Ans**
- ☐ 1. Population density
 - ☐ 2. Monthly salary
 - ☒ 3. GDP per capita in PPP US Dollars
 - ☐ 4. Availability of luxury goods

Q.40 Which of the following multinational air combat exercises did the Indian Air Force (IAF) participate in at Al Dhafra Air Base in the UAE from 21 April to 8 May 2025?

- Ans**
- ☐ 1. Red Flag
 - ☐ 2. Iron Fist
 - ☒ 3. Desert Flag-10
 - ☐ 4. Blue Flag-5

Section : Mathematics

Q.1 By selling 6 rubber-bands for a rupee, a man loses 40%. To gain 20% how many must he sell for a rupee?

- Ans**
- ☐ 1. 4
 - ☐ 2. 5
 - ☒ 3. 3
 - ☐ 4. 2

Q.2 A number, when increased by 100%, gives 2780. The number is:

- Ans**
- ☒ 1. 1390
 - ☐ 2. 695
 - ☐ 3. 4170
 - ☐ 4. 2780



Q.3 The product of two consecutive natural numbers is 210. The greater of the two numbers is:

- Ans**
- ☐ 1. 21
 - ☐ 2. 7
 - ☒ 3. 15
 - ☐ 4. 34

Q.4 Given that $149^{0.59} = x$, $149^{0.94} = y$ and $x^z = y^6$, then the value of z is close to:

- Ans**
- ☐ 1. 9.29
 - ☐ 2. 7.39
 - ☒ 3. 9.56
 - ☐ 4. 11.02

Q.5 The average of first 151 even numbers is

- Ans**
- ☒ 1. 152
 - ☐ 2. 151.5
 - ☐ 3. 152.5
 - ☐ 4. 153

Q.6 In an election between two candidates, 80% of the registered voters cast their vote and 5% of the votes polled were found invalid. The winning candidate got 75% of the valid votes and won the election by a margin of 1805 votes. How many voters were registered?

- Ans**
- ☒ 1. 4750
 - ☐ 2. 4751
 - ☐ 3. 4748
 - ☐ 4. 4749

Q.7 Pipe A can fill a tank in 16 hours, pipe B can fill the same tank in 25 hours and pipe C can fill the same tank in 12 hours. The time taken by them to fill the same tank if they operate together is::

- Ans**
- ☒ 1. $5\frac{85}{223}$ hours
 - ☐ 2. $3\frac{85}{223}$ hours
 - ☐ 3. $1\frac{85}{223}$ hours
 - ☐ 4. $9\frac{85}{223}$ hours

Q.8 Find the mean proportional of 25 and 16.

- Ans**
- ☐ 1. 18
 - ☒ 2. 20
 - ☐ 3. 17
 - ☐ 4. 22



Q.9 Ram went to a shop and observed that the list price of a fan is ₹3,600. If the retailer has bought the fan for ₹2,800, then find the trade discount (correct to one decimal place).

- Ans**
- ☐ 1. 20%
 - ☐ 2. 19.8%
 - ☐ 3. 24.6%
 - ☒ 4. 22.2%

Q.10 In covering a distance of 182 km, Salaj takes 4 hours more than Kevin. If Salaj doubles his speed, then he would take 9 hours less than Kevin. Salaj's speed is:

- Ans**
- ☒ 1. 7 km/hr
 - ☐ 2. 13 km/hr
 - ☐ 3. 11 km/hr
 - ☐ 4. 3 km/hr

Q.11 Anubhav and Gaurav start a business. Anubhav invests ₹55,000 more than Gaurav for 2 months and Gaurav invests for 5 months. Anubhav's share is ₹1,431 more than that of Gaurav, out of a total profit of ₹7,155. Find the capital contributed by Anubhav.

- Ans**
- ☐ 1. ₹90,000
 - ☒ 2. ₹75,000
 - ☐ 3. ₹80,000
 - ☐ 4. ₹70,000

Q.12 The LCM of the numbers 2.7 and 0.096 is:

- Ans**
- ☐ 1. 2.16
 - ☐ 2. 2.16
 - ☒ 3. 21.6
 - ☐ 4. 0.216

Q.13 The H.C.F. and the L.C.M. of two numbers are 2 and 492, respectively. If one of the numbers is 82, find the other one.

- Ans**
- ☐ 1. 93
 - ☐ 2. 102
 - ☐ 3. 31
 - ☒ 4. 12

Q.14 Simplify the following.

$$2\left(\left(\frac{4}{2}\right)x^2 - 21x + 15\right) - 4(x^2 + 5x - 15)$$

- Ans**
- ☐ 1. $-62x - 90$
 - ☐ 2. $62x + 90$
 - ☒ 3. $-62x + 90$
 - ☐ 4. $62x - 90$

Q.15 By selling an article at $\frac{2}{5}$ of its actual selling price, Manav incurs a loss of 24%.

If he sells it at 88% of its actual selling price, then the profit percentage is:

- Ans**
- ☒ 1. 67.2%
 - ☐ 2. 67.3%
 - ☐ 3. 67.9%
 - ☐ 4. 69.4%



Q.16 Ishaan and Meghna have to travel from Delhi to Kanpur in their respective cars. Ishaan is driving at 77 km/hr while Meghna is driving at 33 km/hr. Find the time taken by Meghna to reach Kanpur if Ishaan takes 12 hours.

- Ans**
- ☒ 1. 28 hours
 - ☐ 2. 34 hours
 - ☐ 3. 33 hours
 - ☐ 4. 29 hours

Q.17 X, Y and Z invested a sum in the ratio of 86 : 60 : 24, respectively. If they earned a total profit of ₹4,590 at the end of the year, what is the difference between the shares of Y and Z?

- Ans**
- ☐ 1. ₹1,065
 - ☐ 2. ₹994
 - ☐ 3. ₹864
 - ☒ 4. ₹972

Q.18 Which of the following numbers is divisible by 24?

- Ans**
- ☐ 1. 7991987
 - ☐ 2. 7340390
 - ☒ 3. 6830904
 - ☐ 4. 7132978

Q.19 A product is sold for ₹3,400 after a 15% discount. What was the original marked price?

- Ans**
- ☐ 1. ₹4,100
 - ☐ 2. ₹3,900
 - ☒ 3. ₹4,000
 - ☐ 4. ₹3,800

Q.20 If $\sin\theta = \frac{1}{2}$, then $13 \times \operatorname{cosec}^2\theta - 3 \times \cot^2\theta - 15$ is equal to:

- Ans**
- ☐ 1. 68
 - ☐ 2. 56
 - ☐ 3. 26
 - ☒ 4. 28

Q.21 Naman and Omar can complete a certain piece of work in 13 and 4 days, respectively. They started to work together, and after 2 days, Omar left. In how many days will Naman complete the remaining work?

- Ans**
- ☒ 1. 4.5
 - ☐ 2. 6
 - ☐ 3. 6.5
 - ☐ 4. 5

Q.22 Find the value of: $83^{-6} \div 83^{16} \times 83^{-8}$

- Ans**
- ☐ 1. 83^{-26}
 - ☐ 2. 83^{-40}
 - ☒ 3. 83^{-30}
 - ☐ 4. 83^{-20}



Q.23 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 73 kg and 38 kg is:

- Ans**
- ☒ 1. 51.2
 - ☐ 2. 52.2
 - ☐ 3. 50.2
 - ☐ 4. 53.2

Q.24 An exterior angle and an interior angle of a regular polygon are in the ratio of 1 : 8. What is the number of sides of the polygon?

- Ans**
- ☐ 1. 12
 - ☐ 2. 24
 - ☒ 3. 18
 - ☐ 4. 6

Q.25 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month for 12 months.

- Ans**
- ☐ 1. ₹36
 - ☐ 2. ₹56
 - ☒ 3. ₹432
 - ☐ 4. ₹72

Q.26 The number of prime numbers lying between 303 and 311, both included, is:

- Ans**
- ☐ 1. 5
 - ☒ 2. 2
 - ☐ 3. 7
 - ☐ 4. 3

Q.27 The volume of a right circular cylinder is 8624 cm^3 . If the radius and height of the cylinder are equal, then find the height of the cylinder. (Use $\pi = \frac{22}{7}$)

- Ans**
- ☐ 1. 12 cm
 - ☐ 2. 15 cm
 - ☒ 3. 14 cm
 - ☐ 4. 13 cm

Q.28 Find the simple interest (in ₹) on ₹4,000 at 7.5% per annum rate of interest deposited on 7 February 2024 and withdrawn on 8 April 2024.

- Ans**
- ☐ 1. 49
 - ☒ 2. 50
 - ☐ 3. 51
 - ☐ 4. 48

Q.29 If 3 times the mother's age is 26 years more than 5 times her daughter's age, and 2 times the daughter's age is 2 years less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans**
- ☐ 1. 25
 - ☐ 2. 20
 - ☐ 3. 23
 - ☒ 4. 22



Q.30 Find the volume (in cm^3) of a sphere having a diameter of 22 cm, giving your answer correct to two places of decimal.

Take $\Pi = \frac{22}{7}$.

- Ans
- ☐ 1. 5567.52
 - ☐ 2. 5587.52
 - ☐ 3. 5597.52
 - ☒ 4. 5577.52

Section : General Intelligence and Reasoning

Q.1 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 9 6 \$ \$ 7 © £ \$ 1 * 5 4 3 3 \$ 6 @ # # # 8 % (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- Ans
- ☐ 1. 4
 - ☐ 2. 1
 - ☒ 3. 2
 - ☐ 4. 3

Q.2 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: Some penguins are sharks. Some sharks are dolphins.

Conclusions (I): No shark is a penguin.

Conclusions (II): Some penguins are dolphins.

- Ans
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (I) follows.
 - ☐ 4. Only conclusion (II) follows.

Q.3 KGD L is related to IEB J in a certain way based on the English alphabetical order. In the same way, NJGO is related to LHE M. To which of the given options is QMJ R related, following the same logic?

- Ans
- ☐ 1. OKPH
 - ☐ 2. KOHP
 - ☐ 3. KOPH
 - ☒ 4. OKHP

Q.4 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 7364592, what will be the sum of the digits which are first from the left and first from the right in the new number thus formed?

- Ans
- ☐ 1. 9
 - ☐ 2. 12
 - ☒ 3. 10
 - ☐ 4. 8



Q.5 H, I, J, K, U, V and W are sitting around a circular table facing the centre of the table. Only four people sit between U and V when counted from the right of U. U sits third to the left of W. K sits third to the left of H. I is an immediate neighbour of both V and W. How many people sit between J and I when counted from the right of J?

- Ans**
- ☒ 1. Two
 - ☐ 2. One
 - ☐ 3. Three
 - ☐ 4. Four

Q.6 Veer starts from Point Y and drives 34 km towards north. He then takes a left turn, drives 20 km. He then turns left and drives 40 km. He takes a final left turn, drives 20 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 6 km towards north
 - ☐ 2. 7 km towards south
 - ☐ 3. 4 km towards east
 - ☐ 4. 8 km towards west

Q.7 What should come in place of the question mark (?) in the given series?

178 142 117 101 92 ?

- Ans**
- ☐ 1. 63
 - ☐ 2. 75
 - ☐ 3. 81
 - ☒ 4. 88

Q.8 What should come in place of the question mark (?) in the given series?

499 500 502 505 509 ?

- Ans**
- ☐ 1. 515
 - ☐ 2. 513
 - ☒ 3. 514
 - ☐ 4. 516

Q.9 Seven boxes U, V, W, X, E, F and G are kept one over the other but not necessarily in the same order. Only X is kept above W. Only two boxes are kept between W and G. Only U is kept below F. V is not kept immediately above G. How many boxes are kept between E and U?

- Ans**
- ☐ 1. One
 - ☐ 2. Three
 - ☐ 3. Four
 - ☒ 4. Two

Q.10 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit numbers. Counting to be done from left to right only.

(Left) # 1 * £ 5 6 4 + 7 \$ 8 2 @ % & 3 Ω 9 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another number?

- Ans**
- ☐ 1. 4
 - ☐ 2. 1
 - ☒ 3. 3
 - ☐ 4. 2



Q.11 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans  1. NK-PL
 2. JG-LI
 3. FC-HD
 4. RO-TP

Q.12 In a row of people all facing north, Cherry is 25th from the right end. Dinesh is 28th from the right end. Dinesh is exactly between Cherry and Lina. If Lina is 11th from the left end of the line, how many people are there in the row?

Ans  1. 40
 2. 41
 3. 42
 4. 39

Q.13 Deepti starts from point A and walks 5 km towards west. She takes a left turn and walks 2 km. She then takes a right turn and walks 3 km. She then takes a final right turn and walks 2 km and reaches a point B. How far (shortest distance) and towards which direction should she walk in order to reach point A again? (All turns are 90 degrees turns only unless specified.)

Ans  1. 2 km west
 2. 8 km east
 3. 2 km east
 4. 5 km east

Q.14 Kartik ranked 19th from the top and 27th from the bottom in his class. How many students are there in his class?

Ans  1. 45
 2. 47
 3. 44
 4. 46

Q.15 Each of the digits in the number 8357416 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

Ans  1. 12
 2. 10
 3. 9
 4. 11

Q.16 A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. Only four people sit between C and J when counted from the right of C. C sits third to the left of B. A sits third to the left of D. L is an immediate neighbour of both J and B. How many people sit between K and L when counted from the right of K?

Ans  1. Four
 2. Three
 3. Two
 4. One



Q.17 In a certain code language, 'OPEN' is coded as '4627' and 'EARS' is coded as '1375'. What is the code for 'E' in the given code language?

- Ans**
- ☐ 1. 6
 - ☐ 2. 1
 - ☐ 3. 5
 - ☒ 4. 7

Q.18 In a certain code language, 'KNOW' is coded as '8901' and 'KNOT' is coded as '9028'. What is the code for 'W' in the given code language?

- Ans**
- ☐ 1. 8
 - ☐ 2. 9
 - ☒ 3. 1
 - ☐ 4. 0

Q.19 What should come in place of the question mark (?) in the given series?

260, 310, 460, 710, 1060, ?

- Ans**
- ☐ 1. 1560
 - ☒ 2. 1510
 - ☐ 3. 1460
 - ☐ 4. 1410

Q.20 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

24, 16
48, 32

- Ans**
- ☐ 1. 72, 36
 - ☒ 2. 84, 56
 - ☐ 3. 60, 20
 - ☐ 4. 96, 62

Q.21 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. RWS
 - ☐ 2. OTP
 - ☐ 3. UZV
 - ☒ 4. MRO



Q.22 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All detergents are towels.

All detergents are conditioners.

Conclusions:

(I) Some towels are conditioners.

(II) All conditioners are detergents.

- Ans**
- ☒ 1. Only conclusion (II) follows.
 - ☒ 2. Only conclusion (I) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.23 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VPM 153, QUJ 145, LZG 137, GED 129, BJA 121, ?

- Ans**
- ☒ 1. WOX 113
 - ☒ 2. VOY 115
 - ☒ 3. UPY 115
 - ☒ 4. XNW 113

Q.24 What will come in place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '-' and 'x' are interchanged?

$$11 - 3 \times 88 + 8 \div 10 = ?$$

- Ans**
- ☒ 1. 38
 - ☒ 2. 23
 - ☒ 3. 32
 - ☒ 4. 16

Q.25 MOLK is related to RTQP in a certain way based on the English alphabetical order. In the same way, GIFE is related to LNKJ. To which of the given options is VXUT related, following the same logic?

- Ans**
- ☒ 1. AYZC
 - ☒ 2. AYZS
 - ☒ 3. ACZY
 - ☒ 4. ACYZ

Q.26 S is the mother of R. R is the brother of P. P is the wife of I. I is the father of O. How is S related to O?

- Ans**
- ☒ 1. Mother's mother
 - ☒ 2. Mother's sister
 - ☒ 3. Mother's father
 - ☒ 4. Mother's brother

Q.27 If 2 is added to each even digit and 2 is subtracted from each odd digit in the number 3659247, then what will be the sum of all the even digits in the new number thus formed?

- Ans**
- ☒ 1. 18
 - ☒ 2. 14
 - ☒ 3. 12
 - ☒ 4. 16



Q.28 XSLE is related to CWQI in a certain way based on the English alphabetical order. In the same way, RIFU is related to WMKY. To which of the given options is GUUG related, following the same logic?

- Ans**
- ☐ 1. LZXS
 - ☒ 2. LYZK
 - ☐ 3. LYXZ
 - ☐ 4. LZXD

Q.29 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. KMI
 - ☐ 2. HJF
 - ☒ 3. EGB
 - ☐ 4. NPL

Q.30 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

QMS NJP KGM HDJ ?

- Ans**
- ☐ 1. FEI
 - ☐ 2. IAG
 - ☐ 3. GEI
 - ☒ 4. EAG





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	07/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 The Kopili Hydro Electric Project is located in which Indian state?

- Ans**
- ☒ 1. Assam
 - ☐ 2. Sikkim
 - ☐ 3. Meghalaya
 - ☐ 4. Arunachal Pradesh

Q.2 Which folk dance of Himachal Pradesh was recognised in the Guinness Book of World Records (2015) for having the largest number of participants performing simultaneously at a single venue?

- Ans**
- ☐ 1. Kiang
 - ☐ 2. Kharait
 - ☐ 3. Kinnauri
 - ☒ 4. Kullu Nati

Q.3 Which of the following is the correct descending order of ministerial ranks in the Union Council of Ministers, as per Indian practice?

- Ans**
- ☐ 1. Cabinet Minister → Deputy Minister → Minister of State
 - ☐ 2. Minister of State → Cabinet Minister → Deputy Minister
 - ☐ 3. Deputy Minister → Minister of State → Cabinet Minister
 - ☒ 4. Cabinet Minister → Minister of State → Deputy Minister

Q.4 The Bhabar region lies in which part of the Great Plains?

- Ans**
- ☐ 1. West of Indus plain
 - ☐ 2. Along the Brahmaputra basin
 - ☐ 3. Just south of the Terai
 - ☒ 4. Adjacent to the foothills of the Himalayas

Q.5 Which of the following important Indian festivals was observed on 13th and 14th March 2025?

- Ans**
- ☐ 1. Eid-ul-Fitr
 - ☐ 2. Diwali
 - ☐ 3. Raksha Bandhan
 - ☒ 4. Holi



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Q.6 Which issue did the World Economic Forum highlight as the top immediate global threat in its 2025 Global Risks Report published in January 2025?

- Ans**
- ☐ 1. Escalating cyberattacks
 - ☐ 2. Instability in global markets
 - ☒ 3. State-based armed conflict
 - ☐ 4. Resurgence of pandemics

Q.7 Geographically, Bhutan is divided into four regions. Which of the following is NOT a name of those divisions?

- Ans**
- ☐ 1. Western
 - ☒ 2. Northern
 - ☐ 3. Eastern
 - ☐ 4. Southern

Q.8 The Parthians originated from which of the following countries?

- Ans**
- ☒ 1. Iran
 - ☐ 2. Saudi Arabia
 - ☐ 3. Iraq
 - ☐ 4. Turkey

Q.9 Who among the following was honoured as the International Cricket Council (ICC) Men's Cricketer of the Year for outstanding performance in 2024?

- Ans**
- ☐ 1. Rohit Sharma
 - ☒ 2. Jasprit Bumrah
 - ☐ 3. Mohammad Sami
 - ☐ 4. Virat Kohli

Q.10 Which technology uses acoustic waves to locate objects in the ocean?

- Ans**
- ☒ 1. Sonar
 - ☐ 2. LiDAR
 - ☐ 3. Echo-sounder
 - ☐ 4. SAR

Q.11 India's first exploration licence auction and AI-Driven Mineral Targeting Hackathon was launched in:

- Ans**
- ☒ 1. Goa
 - ☐ 2. Andhra Pradesh
 - ☐ 3. Telangana
 - ☐ 4. Maharashtra

Q.12 What is the name of the patented respiratory device developed by AIIMS Raipur to curb airborne infections in May 2025?

- Ans**
- ☐ 1. AirGuard
 - ☐ 2. RespiraSafe
 - ☒ 3. HOAC Combo
 - ☐ 4. OxyShield

Q.13 In post 1991 reforms, the term 'disinvestment' refers to:

- Ans**
- ☒ 1. selling government's share in public sector companies
 - ☐ 2. reducing agricultural subsidies
 - ☐ 3. reducing foreign trade
 - ☐ 4. increasing taxes



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Q.14 Which British law was a major influence on the Indian Constitution's institutional framework?

- Ans**
- ✓ 1. Government of India Act, 1935
 - ✗ 2. Rowlatt Act, 1919
 - ✗ 3. Indian Councils Act, 1909
 - ✗ 4. Indian Independence Act, 1947

Q.15 Which if the following is a landmark judgement of Justice Bela Trivedi, whose official retirement is scheduled for June 2025?

- Ans**
- ✗ 1. Challenge to the Abrogation of Article 370
 - ✓ 2. Ruling on POCSO Act
 - ✗ 3. Euthanasia and the Right to Die with Dignity
 - ✗ 4. Validity of Unstamped Arbitration Agreement

Q.16 In the Pallava administration, which was the smallest administrative unit directly managed by local self-governing assemblies?

- Ans**
- ✗ 1. Nadu
 - ✗ 2. Mandala
 - ✓ 3. Ur
 - ✗ 4. Kottam

Q.17 Which of the following is NOT a characteristic of acids?

- Ans**
- ✗ 1. They turn blue litmus red.
 - ✗ 2. They have a sour taste.
 - ✓ 3. They release OH^- ions in water.
 - ✗ 4. They react with bases to form salt and water.

Q.18 Narayana Guru, a social reformer who led a massive movement against the discrimination of the lower castes, was from the state of:

- Ans**
- ✗ 1. West Bengal
 - ✗ 2. Madhya Pradesh
 - ✓ 3. Kerala
 - ✗ 4. Andhra Pradesh

Q.19 Why can Gross Enrollment Ratio (GER) sometimes exceed 100%?

- Ans**
- ✗ 1. Due to school mergers in rural areas
 - ✗ 2. Due to inclusion of post-graduate students
 - ✓ 3. Due to enrollment of learners outside the official age group
 - ✗ 4. Because of errors in census data

Q.20 Which of the following actions will permanently delete a file from an MS Windows system, bypassing the Recycle Bin?

- Ans**
- ✗ 1. Dragging the file to the Recycle Bin
 - ✗ 2. Right-clicking on the file and selecting 'Delete'
 - ✓ 3. Selecting the file and pressing Shift + Delete keys
 - ✗ 4. Pressing the Delete key

Q.21 Which city is constructing a 27-metre-tall clock tower at Talkatora Roundabout to enhance its architectural identity?

- Ans**
- ✗ 1. Jaipur
 - ✓ 2. New Delhi
 - ✗ 3. Mumbai
 - ✗ 4. Kolkata



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Q.22 Which key combination is commonly used in Windows OS to open the Task Manager?

Ans  1. Alt + Tab

 2. Alt + F4

 3. Ctrl + Shift + Esc

 4. Ctrl + Tab

Q.23 From the 11th through the 18th centuries, what type of literature was the most prominent in medieval India?

Ans  1. Theatrical historical performances

 2. Devotional poetry

 3. Elaborate philosophical discussions

 4. Specialised scientific writings

Q.24 In which of the following years was the Right to Information Act passed?

Ans  1. 1999

 2. 2005

 3. 1973

 4. 2007

Q.25 The 'Kundara Proclamation' which openly called for taking up arms against the British, is associated with which of the following freedom fighters?

Ans  1. Velu Thampi

 2. Wazir Ali Khan

 3. Gajapatiraju

 4. Kattabomman Nayakan

Q.26 In which of the following years did Vodafone start its journey in India?

Ans  1. 2007

 2. 2005

 3. 2009

 4. 2002

Q.27 Which state is leading with the highest number of solar power installations under PM Surya Ghar Muft Bijli Yojana (PMSGMBY) by March 2025?

Ans  1. Maharashtra

 2. Uttar Pradesh

 3. Gujarat

 4. Tamil Nadu

Q.28 Which company received the 'Champion Company' award at the inaugural CII Awards for Excellence in Disability Inclusion in 2025?

Ans  1. Amazon

 2. Zomato

 3. Wipro Limited

 4. Minda Corporation

Q.29 In April 2025, the Cabinet Committee on Economic Affairs has approved the development of a Greenfield High-Speed Corridor connecting which two states on NH-06 under Hybrid Annuity Mode (HAM)?

Ans  1. Manipur and Mizoram

 2. Tripura and Mizoram

 3. Meghalaya and Assam

 4. Assam and Nagaland



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Q.30 To control over district courts and subordinate judiciary lies with which of the following?

- Ans**
- ☐ 1. President of India
 - ☒ 2. High Court
 - ☐ 3. State Government
 - ☐ 4. Supreme Court of India

Q.31 In May 2025, who was appointed as Secretary, Department of Revenue, Ministry of Finance?

- Ans**
- ☒ 1. Arvind Shrivastava
 - ☐ 2. Shankar Lal Kumawat
 - ☐ 3. Smarak Swain
 - ☐ 4. Ajay Seth

Q.32 On 21 May 2025, the Director General of Health Services (DGHS) in Delhi was appointed to oversee the implementation of which two major healthcare initiatives?

- Ans**
- ☐ 1. PM-JAY and National Digital Health Mission
 - ☐ 2. Fit India Movement and Swachh Bharat Abhiyan
 - ☐ 3. National Health Stack and eSanjeevani
 - ☒ 4. Ayushman Bharat Health Infrastructure Mission and Ayushman Arogya Mandir

Q.33 In which of the following years was the Pradhan Mantri Gram Sadak Yojana (PMGSY) launched by the Government of India to provide connectivity to unconnected habitations as part of a poverty reduction strategy?

- Ans**
- ☐ 1. 2002
 - ☐ 2. 1997
 - ☐ 3. 2005
 - ☒ 4. 2000

Q.34 When was the Basel Convention adopted on the Control of Transboundary Movements of Hazardous Wastes and their Disposal?

- Ans**
- ☐ 1. 1991
 - ☒ 2. 1989
 - ☐ 3. 1995
 - ☐ 4. 1993

Q.35 To pass a Constitutional Amendment Bill in the Lok Sabha, which of the following correctly states the minimum support required?

- Ans**
- ☐ 1. Two-thirds majority of the total membership of the House
 - ☐ 2. Simple majority of Lok Sabha members and two-thirds of Rajya Sabha members present and voting
 - ☐ 3. Unanimous vote of all Members of Parliament
 - ☒ 4. Majority of the total membership and two-thirds of members present and voting

Q.36 Where is the headquarters of the North Western Railway zone located?

- Ans**
- ☒ 1. Jaipur
 - ☐ 2. Hubli
 - ☐ 3. New Delhi
 - ☐ 4. Hajipur



Q.37 Which of the following zones receives vertical rays of the Sun throughout the year?

- Ans**
- ☐ 1. Frigid
 - ☐ 2. Temperate
 - ☒ 3. Tropical
 - ☐ 4. Polar

Q.38 According to the PLFS Annual Report (July 2023–June 2024), which Indian state made history in 2025 by becoming the first to achieve full literacy?

- Ans**
- ☐ 1. Sikkim
 - ☒ 2. Mizoram
 - ☐ 3. Himachal Pradesh
 - ☐ 4. Kerala

Q.39 Which of the following was the first state to be formed on linguistic basis after severe agitation and the death of a protester?

- Ans**
- ☐ 1. Telangana
 - ☐ 2. Kerala
 - ☒ 3. Andhra Pradesh
 - ☐ 4. Tamil Nadu

Q.40 In which of the following groups does hydrogen belong?

- Ans**
- ☐ 1. Group 2
 - ☐ 2. Group 17
 - ☒ 3. Group 1
 - ☐ 4. Group 18

Section : Mathematics

Q.1 Train A leaves station M at 7:50 a.m. and reaches station N at 2:50 p.m. on the same day. Train B leaves station N at 9:50 a.m. and reaches station M at 2:50 p.m. on the same day. Find the time when Trains A and B meet.

- Ans**
- ☐ 1. 10:47 p.m.
 - ☒ 2. 11:55 a.m.
 - ☐ 3. 9:47 p.m.
 - ☐ 4. 5:00 a.m.

Q.2 What smallest number should be added to 4519 so that the sum is completely divisible by 30?

- Ans**
- ☐ 1. 6
 - ☐ 2. 10
 - ☐ 3. 13
 - ☒ 4. 11

Q.3 The product of two positive numbers is 2880. If the first number is five times of the second number, then the sum of the two numbers is:

- Ans**
- ☐ 1. 137
 - ☐ 2. 150
 - ☐ 3. 164
 - ☒ 4. 144



Q.4 The population of a district is 351000, out of which 164000 are males. 14% of the population is literate. If 14% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 12%
 - ☒ 2. 14%
 - ☐ 3. 16%
 - ☐ 4. 17%

Q.5 Two numbers have HCF 6 and LCM 36. If the difference between the two numbers is 30, what are the two numbers?

- Ans**
- ☐ 1. 12 and 42
 - ☐ 2. 24 and 54
 - ☒ 3. 6 and 36
 - ☐ 4. 18 and 48

Q.6 Sapna invested ₹20,900 on simple interest, partly at 10% per annum and partly at 9% per annum. If she earns equal interests from the two investments after 5 years, then find the sum invested at 10% per annum (in ₹).

- Ans**
- ☐ 1. 9,902
 - ☐ 2. 9,903
 - ☒ 3. 9,900
 - ☐ 4. 9,899

Q.7 Simplify the following.

$$3\left(\left(\frac{4}{3}\right)x^2 - 30x + 18\right) - 4(x^2 + 8x - 14)$$

- Ans**
- ☐ 1. $122x - 110$
 - ☒ 2. $-122x + 110$
 - ☐ 3. $122x + 110$
 - ☐ 4. $-122x - 110$

Q.8 Which of the following ratios is the greatest?

- Ans**
- ☒ 1. 40 : 51
 - ☐ 2. 44 : 74
 - ☐ 3. 42 : 70
 - ☐ 4. 22 : 76

Q.9 Sakshi bought a toy for ₹456, decorated it at a cost of ₹20 and sold the toy for ₹612. Find the loss or profit percentage.

- Ans**
- ☐ 1. $\frac{210}{7}\%$ loss
 - ☒ 2. $\frac{200}{7}\%$ profit
 - ☐ 3. 200 % profit
 - ☐ 4. $\frac{200}{7}\%$ loss



Q.10 If the interest earned during the 2nd year on a certain sum is ₹6,786, and the rate of interest is 20% per annum compounded annually, then the sum is:

- Ans**
- ☒ 1. ₹28,275
 - ☐ 2. ₹28,035
 - ☐ 3. ₹27,795
 - ☐ 4. ₹28,905

Q.11 Which of the following numbers divides 253118139?

- Ans**
- ☐ 1. 12
 - ☐ 2. 5
 - ☒ 3. 3
 - ☐ 4. 8

Q.12 A sells a MacBook to B at a loss of 60% and B sells the MacBook to C at a profit of 25%. If C purchased the MacBook for ₹47,236, then what was the cost (in ₹) of the MacBook for A?

- Ans**
- ☒ 1. 94,472
 - ☐ 2. 94,468
 - ☐ 3. 94,478
 - ☐ 4. 94,467

Q.13 The average of first 170 even numbers is

- Ans**
- ☒ 1. 171
 - ☐ 2. 172
 - ☐ 3. 171.5
 - ☐ 4. 170.5

Q.14 ₹58,300 were divided among A, B and C, such that 4 times of A = 9 times of B = 3 times of C. Find the share of A.

- Ans**
- ☐ 1. ₹20,919
 - ☐ 2. ₹21,125
 - ☐ 3. ₹20,901
 - ☒ 4. ₹20,988

Q.15 A shirt is marked at ₹900. After a discount of 10%, it is sold. Find the selling price.

- Ans**
- ☐ 1. ₹850
 - ☐ 2. ₹820
 - ☐ 3. ₹800
 - ☒ 4. ₹810

Q.16 Find the value of $50^{-13} \div 50^{15} \times 50^{-11}$.

- Ans**
- ☐ 1. 50^{-35}
 - ☒ 2. 50^{-39}
 - ☐ 3. 50^{-49}
 - ☐ 4. 50^{-36}

Q.17 A number, when increased by 70%, gives 3910. The number is:

- Ans**
- ☐ 1. 6900
 - ☐ 2. 1150
 - ☐ 3. 4600
 - ☒ 4. 2300



Q.18 If 2 times the mother's age is 26 years more than 4 times her daughter's age, and 3 times the daughter's age is 2 years less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans**
- ☒ 1. 24
 - ☐ 2. 25
 - ☐ 3. 22
 - ☐ 4. 27

Q.19 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 18^\circ$ and $\angle BAC = 93^\circ$, then what is the measure of $\angle ACD$ (in degree)?

- Ans**
- ☐ 1. 37°
 - ☒ 2. 42°
 - ☐ 3. 51°
 - ☐ 4. 50°

Q.20 Given that $4^{0.72} = x$, $4^{0.86} = y$ and $x^z = y^8$, then the value of z is close to:

- Ans**
- ☒ 1. 9.56
 - ☐ 2. 11.98
 - ☐ 3. 8.43
 - ☐ 4. 9.68

Q.21 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 75 kg and 39 kg is:

- Ans**
- ☐ 1. 50.8
 - ☒ 2. 51.8
 - ☐ 3. 52.8
 - ☐ 4. 53.8

Q.22 The marked price of a stainless-steel bottle is ₹1,200. After applying two successive discounts of 10% and 5%, what is the selling price?

- Ans**
- ☐ 1. ₹1,106
 - ☐ 2. ₹1,052
 - ☒ 3. ₹1,026
 - ☐ 4. ₹1,116

Q.23 An equilateral triangle has each side measuring 13 cm; find its perimeter.

- Ans**
- ☐ 1. 30 cm
 - ☒ 2. 39 cm
 - ☐ 3. 26 cm
 - ☐ 4. 42 cm

Q.24 Anjali can do a certain piece of work in 30 days. Anjali and Ayushi can together do the same work in 18 days, and Anjali, Ayushi and Ankita can do the same work together in 9 days. In how many days can Anjali and Ankita do the same work together?

- Ans**
- ☒ 1. $\frac{45}{4}$
 - ☐ 2. $\frac{35}{4}$
 - ☐ 3. $\frac{44}{5}$
 - ☐ 4. $\frac{53}{6}$



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Q.25 A can lay railway track between two given stations in 19 days and B can do the same job in 16 days. With the help of C, they did the job in 5 days only. Then, C alone can do the job in

Ans

✓ 1. $11\frac{101}{129}$ days

✗ 2. $13\frac{101}{129}$ days

✗ 3. $20\frac{101}{129}$ days

✗ 4. $9\frac{101}{129}$ days

Q.26 A, B and C invest a sum in the ratio of 63 : 35 : 42, respectively. If they earned a total profit of ₹5,120 at the end of the year, then what is the difference between share of B and C?

Ans

✗ 1. ₹274

✗ 2. ₹340

✗ 3. ₹221

✓ 4. ₹256

Q.27 The number 245015 is divisible by which of the following?

Ans

✗ 1. 2

✗ 2. 15

✓ 3. 5

✗ 4. 11

Q.28 Find the circumference (in m) of the largest circle that can be drawn completely inside a rectangle whose dimensions are given as 126 m and 226 m.

$\left(\text{Take } \pi = \frac{22}{7}.\right)$

Ans

✗ 1. 395

✓ 2. 396

✗ 3. 401

✗ 4. 389

Q.29 A man goes to Lucknow from Kanpur at a speed of 72 km/hr and returns to Kanpur at speed of 90 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

Ans

✓ 1. 80

✗ 2. 83

✗ 3. 76

✗ 4. 79

Q.30 Simplify: $\sec^2\beta - \frac{1}{\operatorname{cosec}^2\beta - 1}$

Ans

✗ 1. 0

✗ 2. $\sec\beta$

✓ 3. 1

✗ 4. $\operatorname{cosec}\beta$



Q.1 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) © & 9 4 5 # 6 2 \$ © 8 2 £ @ & # 5 £ % & # 1 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☒ 1. 2
 - ☒ 2. 3
 - ☒ 3. 5
 - ☒ 4. 4

Q.2 A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. L sits to the immediate right of D. Only three people sit between L and C when counted from the left of L. Only three people sit between D and J. A sits to the immediate right of K.

How many people sit between D and K when counted from the right of K?

- Ans**
- ☒ 1. Three
 - ☒ 2. Four
 - ☒ 3. Two
 - ☒ 4. One

Q.3 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. GL-HF
 - ☒ 2. KP-LI
 - ☒ 3. MR-NK
 - ☒ 4. IN-JG

Q.4 If 3 is added to each odd digit and 1 is subtracted from each even digit in the number 6243514, what will be difference between the highest and lowest digits in the number thus formed?

- Ans**
- ☒ 1. 6
 - ☒ 2. 7
 - ☒ 3. 8
 - ☒ 4. 5

Q.5 What should come in place of the question mark (?) in the given series?
84, 85, 87, 91, 99, ?

- Ans**
- ☒ 1. 511
 - ☒ 2. 115
 - ☒ 3. 125
 - ☒ 4. 254

Q.6 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

(117 A 3) C (119 A 7) C 24 D 6 C (117 A 13) B 2 = ?

- Ans**
- ☒ 1. 108
 - ☒ 2. 92
 - ☒ 3. 100
 - ☒ 4. 98



Q.7 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$25 \div 6 - 8 + 20 \times 4 = ?$$

- Ans**
- ☒ 1. 152
 - ☒ 2. 153
 - ☐ 3. 154
 - ☐ 4. 151

Q.8 In a certain code language, 'LEFT' is coded as '5427' and 'EARS' is coded as '6153'. What is the code for 'E' in the given code language?

- Ans**
- ☒ 1. 5
 - ☐ 2. 6
 - ☐ 3. 4
 - ☐ 4. 3

Q.9 Rajeev starts from Point A and drives 8 km towards east. He then takes a left turn, drives 4 km, turns left and drives 4 km. He then takes a left turn and drives 11 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 9 km towards south
 - ☐ 2. 7 km towards west
 - ☒ 3. 7 km towards north
 - ☐ 4. 9 km towards north

Q.10 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

COB 5, EQD 10, GSF 15, IUH 20, ?

- Ans**
- ☐ 1. JWI 25
 - ☐ 2. JVI 22
 - ☒ 3. KWJ 25
 - ☐ 4. KVJ 22

Q.11 In a certain code language,
'A = B' means 'A is the wife of B',
'A ≠ B' means 'A is the father of B',
'A # B' means 'A is the brother of B' and
'A % B' means 'A is the mother of B'.
How is D related to A if 'D % E = L ≠ T # A'?

- Ans**
- ☒ 1. Mother's mother
 - ☐ 2. Mother's brother
 - ☐ 3. Mother's father
 - ☐ 4. Mother's sister



Q.12 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All meters are compasses.
All compasses are scales.

Conclusions:

(I) Some scales are compasses.
(II) All meters are scales.

- Ans**
- ☒ 1. Only conclusion (I) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☒ 3. Both conclusions (I) and (II) follow.
 - ☒ 4. Neither conclusion (I) nor (II) follows.

Q.13 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(75, 62, 49)
(61, 48, 35)

- Ans**
- ☒ 1. (73, 60, 53)
 - ☒ 2. (48, 24, 12)
 - ☒ 3. (92, 79, 66)
 - ☒ 4. (66, 52, 41)

Q.14 ETHC is related to XOMJ in a certain way based on the English alphabetical order. In the same way, CZBE is related to VUGL. To which of the given options is HKQZ related, following the same logic?

- Ans**
- ☒ 1. AVGF
 - ☒ 2. AFGV
 - ☒ 3. AFVG
 - ☒ 4. AVGH

Q.15 Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which one DOES NOT belong to that group? (NOTE: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ 1. MG-PK
 - ☒ 2. EY-HC
 - ☒ 3. KE-MI
 - ☒ 4. ZT-CX

Q.16 CFJP is related to GJMS in a certain way based on the English alphabetical order. In the same way, SVVB is related to WZYE. To which of the given options is EHEK related, following the same logic?

- Ans**
- ☒ 1. LNHG
 - ☒ 2. LIHN
 - ☒ 3. ILHN
 - ☒ 4. LINJ



Q.17 Refer to the following number and symbol series and answer the question that follows.
All number are single-digit numbers. Counting to be done from left to right only.

(Left) 5 # % 2 ^ @ 3 & 1 \$ 7 Ω 5 2 # 6 * 1 9 (Right)

How many symbols in the series are immediately preceded by a number and immediately followed by a symbol?

- Ans**
- ☐ 1. More than two
 - ☐ 2. One
 - ☒ 3. Two
 - ☐ 4. None

Q.18 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some kites are hats.

No hat is a bat.

Conclusions:

(I): Some kites are bats.

(II): Some hats are kites.

- Ans**
- ☐ 1. Only conclusion (I) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☒ 3. Only conclusion (II) follows.
 - ☐ 4. Neither conclusion (I) nor (II) follows.

Q.19 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KDU 94, HIQ 107, ENM 120, BSI 133, YXE 146, ?

- Ans**
- ☐ 1. UDB 159
 - ☐ 2. WBZ 161
 - ☐ 3. WDC 161
 - ☒ 4. VCA 159

Q.20 Nushrat ranked 12th from the bottom and 21st from the top in his class. How many students are there in his class?

- Ans**
- ☒ 1. 32
 - ☐ 2. 30
 - ☐ 3. 31
 - ☐ 4. 33

Q.21 Each of the digits in the number 81374569 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ 1. Three
 - ☒ 2. One
 - ☐ 3. Two
 - ☐ 4. None

Q.22 VR 27 is related to YU 32 in a certain way. In the same way, MI 9 is related to PL 14. To which of the following is GC 13 related, following the same logic?

- Ans**
- ☐ 1. MP 18
 - ☒ 2. JF 18
 - ☐ 3. JK 16
 - ☐ 4. JF 22



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Q.23 A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only one person sits between C and D when counted from the right of C. Only one person sits between D and A. Only one person sits between C and B. Only two people sit between F and A. Only one person sits between E and B. How many people sit between E and G when counted from the left of G?

- Ans** ☒ 1. 2
☐ 2. 1
☐ 3. 4
☐ 4. 3

Q.24 Amit ranked 34th from the top and 45th from the bottom in his class. How many students are there in his class?

- Ans** ☐ 1. 79
☐ 2. 77
☒ 3. 78
☐ 4. 76

Q.25 Town B is to the south of Town A. Town C is to the west of Town A. Town D is to the west of Town C. Town E is to the north of Town D and also to the south of Town F. What is the position of Town F with respect to Town D?

- Ans** ☒ 1. North
☐ 2. East
☐ 3. South
☐ 4. West

Q.26 What should come in place of the question mark (?) in the given series?

86 88 92 100 116 ?

- Ans** ☒ 1. 148
☐ 2. 180
☐ 3. 132
☐ 4. 144

Q.27 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☐ 1. NE - RK
☒ 2. PA - TH
☐ 3. XK - BQ
☐ 4. QI - UO

Q.28 What should come in place of the question mark (?) in the given series?

7 7 10 18 33 ?

- Ans** ☐ 1. 69
☐ 2. 64
☒ 3. 57
☐ 4. 61



Q.29 In a row of 47 students facing North, Sonika is 18th from the left end. If Dhruv is 11th to the right of Sonika, what is Dhruv's position from the right-end of the line?

- Ans**
- ☐ 1. 20th
 - ☐ 2. 18th
 - ☐ 3. 21st
 - ☒ 4. 19th

Q.30 In a certain code language, 'YOUR' is coded as '4628' and 'UNIT' is coded as '1385'. What is the code for 'U' in the given code language?

- Ans**
- ☐ 1. 1
 - ☒ 2. 8
 - ☐ 3. 3
 - ☐ 4. 2





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	08/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Under the Legal Services Authorities Act, 1987, Lok Adalats have no jurisdiction to settle which of the following cases?

- Ans**
- ☒ 1. Civil disputes pending in court
 - ☒ 2. Divorce and non-compoundable criminal cases
 - ☒ 3. Motor accident claims
 - ☒ 4. Compoundable criminal offences

Q.2 Which of the following Indian states has all three types of physical divisions – plateau, plains, and coastal plains?

- Ans**
- ☒ 1. Madhya Pradesh
 - ☒ 2. Tamil Nadu
 - ☒ 3. Punjab
 - ☒ 4. Uttar Pradesh

Q.3 Womesh Chandra Bonnerjee represented Calcutta University in the Bengal Legislative Council during _____.

- Ans**
- ☒ 1. 1889 - 1890
 - ☒ 2. 1899 - 1900
 - ☒ 3. 1886 - 1887
 - ☒ 4. 1894 - 1895

Q.4 Which geographical feature separates India from Sri Lanka?

- Ans**
- ☒ 1. Strait of Hormuz
 - ☒ 2. Gulf of Kutch
 - ☒ 3. Palk Strait and Gulf of Mannar
 - ☒ 4. Gulf of Aden

Q.5 Recipient of President's Medal For Distinguished Service (PSM) on the occasion of Republic Day 2025, Shri Deepak Kumar Kedia belongs to which of the following organisations?

- Ans**
- ☒ 1. Central Industrial Security Force (CISF)
 - ☒ 2. National Security Guard (NSG)
 - ☒ 3. Central Reserve Police Force (CRPF)
 - ☒ 4. Indo-Tibetan Border Police (ITBP)



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Q.6 According to the exercise brief published by PIB, from 10–23 March 2025, Exercise Khanjar-XII, the Joint Special Forces Drill between India and Kyrgyzstan focused primarily on:

- Ans**
- ☐ 1. amphibious warfare
 - ☒ 2. counter-terrorism
 - ☐ 3. air defense operations
 - ☐ 4. naval fleet manoeuvres

Q.7 Which of the following is classified as micronutrients?

- Ans**
- ☐ 1. Fats
 - ☒ 2. Vitamins
 - ☐ 3. Proteins
 - ☐ 4. Carbohydrates

Q.8 The initial form of Odissi dance was performed by women serving in temples. What was their traditional designation?

- Ans**
- ☐ 1. Devadasis
 - ☐ 2. Maibis
 - ☒ 3. Maharis
 - ☐ 4. Maharani

Q.9 Who, in 1816, modified Newton's formula for the speed of sound to take into account adiabatic compression in air?

- Ans**
- ☐ 1. Lord Rayleigh
 - ☐ 2. Galileo Galilei
 - ☒ 3. Pierre-Simon Laplace
 - ☐ 4. Hermann von Helmholtz

Q.10 What was the name of the Indian contender at the 72nd edition of the Miss World, 2025, pageant, held in Telangana?

- Ans**
- ☐ 1. Tanya Sharma
 - ☒ 2. Nandini Gupta
 - ☐ 3. Rhea Singha
 - ☐ 4. Nikita Porwal

Q.11 Which of the following Acts marked the beginning of British parliamentary control over the East India Company?

- Ans**
- ☐ 1. Pitt's India Act of 1784
 - ☒ 2. Regulating Act of 1773
 - ☐ 3. Government of India Act, 1858
 - ☐ 4. Charter Act of 1813

Q.12 Which of the following is a preventive measure for nuclear disasters?

- Ans**
- ☐ 1. Constructing nuclear plants near residential areas
 - ☒ 2. Comprehensive monitoring and regular testing to detect equipment or operator failures
 - ☐ 3. Ignoring minor radiation leaks to avoid panic
 - ☐ 4. Disposing radioactive waste without treatment



Q.13 What significant change did the Securities and Exchange Board of India (SEBI) implement in 2025 regarding derivatives trading?

- Ans**
- ☒ 1. Lifting all trading regulations to enhance India's appeal to investors
 - ☒ 2. Introduction of limits on open positions in index options to reduce trading risks
 - ☒ 3. Eliminating the derivatives market entirely
 - ☒ 4. Allowing unrestricted foreign investment in derivatives

Q.14 What is the total worth of the Urban Challenge Fund (UCF) announced in the Union Budget 2025–26 to encourage innovative urban development?

- Ans**
- ☒ 1. ₹5 lakh crore
 - ☒ 2. ₹50,000 crore
 - ☒ 3. ₹1 lakh crore
 - ☒ 4. ₹2 lakh crore

Q.15 The Chagos Archipelago, recently in the news, is a disputed territory between which two countries?

- Ans**
- ☒ 1. France and Mauritius
 - ☒ 2. United States and United Kingdom
 - ☒ 3. United Kingdom and Mauritius
 - ☒ 4. United Kingdom and India

Q.16 The Right to Public Services legislation was first introduced by which Indian state?

- Ans**
- ☒ 1. Madhya Pradesh
 - ☒ 2. Karnataka
 - ☒ 3. Maharashtra
 - ☒ 4. Bihar

Q.17 What was the Supreme Court's decision regarding the Kamla Nehru Memorial Trust's land allotment in Uttar Pradesh?

- Ans**
- ☒ 1. Cancelled the land allotment due to lack of public benefit assessment
 - ☒ 2. Directed the state to provide alternative land
 - ☒ 3. Ordered compensation to the Trust
 - ☒ 4. Upheld the land allotment due to considerable public benefit assessment

Q.18 The Golden Temple, which is situated in Amritsar, Punjab, is alternatively known as _____.

- Ans**
- ☒ 1. Akal Takht
 - ☒ 2. Anandpur Sahib
 - ☒ 3. Sri Harmandir Sahib
 - ☒ 4. Gurudwara Hemkunt Sahib

Q.19 The Lion Capital located at Sarnath, which is adopted as the national emblem of the Republic of India, was erected by which of the following Mauryan kings?

- Ans**
- ☒ 1. Ashoka
 - ☒ 2. Bindusara
 - ☒ 3. Devavarman Maurya
 - ☒ 4. Samprati Maurya



Q.20 Which medical term describes an eating disorder in which energy expenditure is restricted below requirements, leading to significant weight loss?

- Ans**
- ☐ 1. Bulimia Nervosa
 - ☐ 2. Diabulimia Nervosa
 - ☒ 3. Anorexia Nervosa
 - ☐ 4. Orthorexia Nervosa

Q.21 Which of the following statements about the Peninsular Plateau of India is NOT correct?

- Ans**
- ☐ 1. The Western Ghats are higher than the Eastern Ghats.
 - ☐ 2. The Deccan Plateau is a triangular landmass that lies to the south of the river Narmada.
 - ☒ 3. The Peninsular plateau consists of three broad divisions, namely, the Northern Highlands, Central Highlands and the Deccan Plateau.
 - ☐ 4. The Peninsular plateau is a tableland composed of the old crystalline, igneous and metamorphic rocks.

Q.22 Rural infrastructure development is crucial to improve connectivity and access to markets and services. Which scheme focuses on providing all-weather road connectivity to unconnected habitations?

- Ans**
- ☐ 1. Saansad Adarsh Gram Yojana
 - ☐ 2. Deendayal Antyodaya Yojana - National Rural Livelihoods Mission
 - ☐ 3. Pradhan Mantri Awas Yojana
 - ☒ 4. Pradhan Mantri Gram Sadak Yojana

Q.23 The 'Special Food Grain Production Programme (SFPP) on Pulses' was implemented during the year _____.

- Ans**
- ☐ 1. 1968-69
 - ☐ 2. 1972-73
 - ☐ 3. 1982-83
 - ☒ 4. 1988-89

Q.24 Who initiated the Sampoorna Grameen Rozgar Yojana (SGRY)?

- Ans**
- ☒ 1. Central Government
 - ☐ 2. Private Sector
 - ☐ 3. Panchayati Raj Institutions
 - ☐ 4. State Governments

Q.25 According to IQAir's World Air Quality Report released in March 2025, which place in Meghalaya is the most polluted globally?

- Ans**
- ☐ 1. Tura
 - ☐ 2. Jowai
 - ☐ 3. Shillong
 - ☒ 4. Byrnihat

Q.26 Which of the following Directive Principles of State Policy is provided under Article 43A of the Indian Constitution?

- Ans**
- ☐ 1. Right to education
 - ☐ 2. Promotion of international peace
 - ☐ 3. Living wage for workers
 - ☒ 4. Participation of workers in industrial management



Q.27 Which Indian athlete won gold in the women's high jump at the 2025 Asian Athletics Championships?

- Ans**
- ☐ 1. Sahana Kumari
 - ☐ 2. Nandini Agasara
 - ☒ 3. Pooja Singh
 - ☐ 4. Swapna Barman

Q.28 Which of the following is considered a poor file management practice on a computer system?

- Ans**
- ☐ 1. Giving files meaningful and descriptive names
 - ☒ 2. Saving temporary files in unrelated and scattered folders
 - ☐ 3. Creating separate folders for documents, images and videos
 - ☐ 4. Using nested folders to organise large sets of data

Q.29 Identify whether the given statements are correct or incorrect with respect to INDRA 2025.

Statement 1: It is a bilateral naval exercise between India and South Africa.

Statement 2: The 14th edition of this exercise included a wide range of activities and structured drills designed to enhance interoperability towards countering common maritime threats.

- Ans**
- ☐ 1. Both Statements 1 and 2 are incorrect
 - ☐ 2. Both Statements 1 and 2 are correct
 - ☐ 3. Statement 1 is correct and 2 is incorrect
 - ☒ 4. Statement 2 is correct and 1 is incorrect

Q.30 What does the abbreviation 'SRAM' stand for in computer memory?

- Ans**
- ☐ 1. Synchronous Read Access Memory
 - ☐ 2. Standard Random Access Memory
 - ☐ 3. Static Read Access Memory
 - ☒ 4. Static Random Access Memory

Q.31 Which agency developed the Vikram 3201 and Kalpana 3201 microprocessors for space applications in 2025?

- Ans**
- ☒ 1. ISRO
 - ☐ 2. BARC
 - ☐ 3. BEL
 - ☐ 4. DRDO

Q.32 Article 19 of the Indian Constitution guarantees six freedoms. Which of the following is NOT one of them?

- Ans**
- ☐ 1. Freedom to form associations or unions
 - ☒ 2. Freedom from arrest
 - ☐ 3. Freedom of speech and expression
 - ☐ 4. Freedom to move freely throughout the territory of India

Q.33 The first systematisation of the Jain canonical literature took place at ____.

- Ans**
- ☐ 1. Vallabhi
 - ☒ 2. Pataliputra
 - ☐ 3. Mathura
 - ☐ 4. Lumbini



Q.34 Which Article provides for the formation of Ward Committees in Municipal areas?

- Ans**
- ☐ 1. Article 243R
 - ☐ 2. Article 243Z
 - ☐ 3. Article 243T
 - ☒ 4. Article 243S

Q.35 In 2025, the Indian government approved the setup of which numbered launch pad at Sriharikota?

- Ans**
- ☐ 1. Launch Pad Four
 - ☒ 2. Launch Pad Three
 - ☐ 3. Launch Pad Zero
 - ☐ 4. Launch Pad One

Q.36 What is the rank of the services sector in terms of the top recipient of FDI equity in FY 2024-25, as per the data of Ministry of Commerce and Industry?

- Ans**
- ☒ 1. First
 - ☐ 2. Third
 - ☐ 3. Second
 - ☐ 4. Fourth

Q.37 Where was Gandhi's method of Satyagraha first evolved and later fully developed as a freedom struggle tool in India?

- Ans**
- ☐ 1. Kheda
 - ☐ 2. South Africa
 - ☒ 3. Champaran
 - ☐ 4. Bombay

Q.38 Who among the following became the first Indian chess player to qualify for the Esports World Cup (EWC) 2025 through the second leg of the Champions Chess Tour?

- Ans**
- ☒ 1. Arjun Erigaisi
 - ☐ 2. Praggnanandhaa Rameshbabu
 - ☐ 3. Bhubaneswar Kumar
 - ☐ 4. Pentala Harikrishna

Q.39 Which Indian State contributes the most to commercial floriculture cultivation, accounting for more than 20% of the country's total production in FY 2024?

- Ans**
- ☐ 1. West Bengal
 - ☒ 2. Tamil Nadu
 - ☐ 3. Chhattisgarh
 - ☐ 4. Gujarat

Q.40 As of March 14, 2024, which of the following is the world's highest railway bridge?

- Ans**
- ☐ 1. Jubilee Bridge
 - ☒ 2. Chenab Bridge
 - ☐ 3. Vikramshila Setu
 - ☐ 4. Nehru Setu Bridge



Q.1 An item is marked for ₹18,000. A shopkeeper gives two successive discounts of 10% and 5%. What is its selling price?

- Ans**
- ☐ 1. ₹14,390
 - ☐ 2. ₹17,390
 - ☐ 3. ₹16,390
 - ☒ 4. ₹15,390

Q.2 The value of $\sqrt{256} + \sqrt{0.0256} - \sqrt{4.41}$ is ____.

- Ans**
- ☒ 1. 14.06
 - ☐ 2. 13.37
 - ☐ 3. 13.18
 - ☐ 4. 7.4

Q.3 Which of the following numbers is divisible by 14?

- Ans**
- ☐ 1. 6794266
 - ☐ 2. 6436639
 - ☒ 3. 7048048
 - ☐ 4. 7132968

Q.4 Salman and Vivek together invested ₹45,200 in a business. At the end of the year, out of a total profit of ₹16,000, Vivek's share was ₹6,400. What was the difference between their investments?

- Ans**
- ☐ 1. ₹10,752
 - ☐ 2. ₹7,053
 - ☒ 3. ₹9,040
 - ☐ 4. ₹9,093

Q.5 Sapna invested ₹20,400 on simple interest, partly at the rate of 14% per annum and partly at the rate of 11% per annum. If she earns equal interests from the two investments after 9 years, then find the sum invested at the rate of 14% per annum (in ₹).

- Ans**
- ☒ 1. 8,976
 - ☐ 2. 8,975
 - ☐ 3. 8,979
 - ☐ 4. 8,977

Q.6 Find the value of: $26^{-19} \div 26^{18} \times 26^3$

- Ans**
- ☐ 1. 26^{-35}
 - ☐ 2. 26^{-40}
 - ☒ 3. 26^{-34}
 - ☐ 4. 26^{-45}

Q.7 Find the surface area of a sphere whose diameter is equal to 14 cm.

- Ans**
- ☐ 1. $1104\pi \text{ cm}^2$
 - ☐ 2. $34\pi \text{ cm}^2$
 - ☐ 3. $1102\pi \text{ cm}^2$
 - ☒ 4. $196\pi \text{ cm}^2$



Q.8

By how much is 65% of 75 greater than $\frac{2}{5}$ of 55?

- Ans
- ☐ 1. 23.75
 - ☒ 2. 26.75
 - ☐ 3. 20.75
 - ☐ 4. 24.75

Q.9 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 25^\circ$. E is a point on BC such that $\angle CAE = 80^\circ$. What is the measure of $\angle AEB$?

- Ans
- ☐ 1. 140°
 - ☐ 2. 139°
 - ☐ 3. 146°
 - ☒ 4. 145°

Q.10 The product of two consecutive positive natural numbers is 812. The greater of the two numbers is:

- Ans
- ☒ 1. 29
 - ☐ 2. 42
 - ☐ 3. 27
 - ☐ 4. 24

Q.11 93 light bulbs were purchased for ₹93, and 19 light bulbs broke in transit. The trader sold the remaining light bulbs at ₹1.40 each. Find his profit.

- Ans
- ☐ 1. ₹10.30
 - ☒ 2. ₹10.60
 - ☐ 3. ₹10.10
 - ☐ 4. ₹10.20

Q.12 The HCF and the LCM of two numbers are 6 and 264, respectively. If one of the numbers is 66, find the other one.

- Ans
- ☐ 1. 105
 - ☐ 2. 115
 - ☐ 3. 35
 - ☒ 4. 24

Q.13 The simple interest on a certain sum for $8\frac{4}{7}$ years at the rate of 6.8% per annum is ₹7,344.

What will be the amount payable on the same sum at the rate of 9.7% per annum simple interest in $6\frac{2}{3}$ years?

- Ans
- ☐ 1. ₹20,745
 - ☐ 2. ₹20,761
 - ☒ 3. ₹20,748
 - ☐ 4. ₹20,765



Q.14 The value of $\frac{5}{2} + \left(\frac{1}{1 + \frac{3}{8}} \right) - \frac{3}{5}$ is

- Ans
- ☒ 1. $\frac{32}{215}$
 - ☒ 2. $\frac{289}{110}$
 - ☒ 3. $\frac{21}{214}$
 - ☒ 4. $\frac{13}{219}$

Q.15 A bus travelling at 48 km/hr completes a journey in 9 hours. What should be its speed to cover the same distance in 12 hours?

- Ans
- ☒ 1. 29 km/hr
 - ☒ 2. 26 km/hr
 - ☒ 3. 36 km/hr
 - ☒ 4. 37 km/hr

Q.16 If 2 times Mary's present age is 27 years more than 5 times Dia's present age, and 7 times Dia's present age is 9 years less than Mary's present age, then what is the difference (in years) between the ages of Mary and Dia?

- Ans
- ☒ 1. 11
 - ☒ 2. 15
 - ☒ 3. 13
 - ☒ 4. 17

Q.17 Zeeshan travels 294 km at 42 km/hr, the next 210 km at 30 km/hr and the next 330 km at 66 km/hr. What is his average speed (in km/hr) for the whole journey? (Round off your answer to two decimal places)

- Ans
- ☒ 1. 36.24
 - ☒ 2. 43.89
 - ☒ 3. 48.89
 - ☒ 4. 40.17

Q.18 Priya, Deepak, and Simran invest ₹1,370, ₹1,500, and ₹1,230, respectively, to start a business. If the profit at the end of the year is ₹1,010, then what is the share of Simran in the profit?

- Ans
- ☒ 1. ₹304
 - ☒ 2. ₹300
 - ☒ 3. ₹306
 - ☒ 4. ₹303

Q.19 A shopkeeper lists the price of a fan at 25% above its cost price and offers a 16% discount on its list price. If he earns a profit of ₹140, then what is the list price (in ₹) of the fan?

- Ans
- ☒ 1. 3,500
 - ☒ 2. 3,257
 - ☒ 3. 3,702
 - ☒ 4. 3,345



Q.20 An item marked for ₹39,250 is sold at ₹32,499 after allowing two successive discounts of x% and 10%. Find the value of x.

- Ans**
- ☐ 1. 9
 - ☐ 2. 10
 - ☐ 3. 12
 - ☒ 4. 8

Q.21 The population of a district is 368000, out of which 220000 are males. 62% of the population is literate. If 62% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 63%
 - ☐ 2. 59%
 - ☐ 3. 60%
 - ☒ 4. 62%

Q.22 If 20% of first number is equal to four-fifths of second number, what is the ratio of first number to the second number?

- Ans**
- ☐ 1. 1 : 6
 - ☒ 2. 4 : 1
 - ☐ 3. 6 : 2
 - ☐ 4. 7 : 4

Q.23 The curved surface area of a right circular cylinder is 5280 cm^2 and its base radius is 21 cm. Find the volume (in cm^3) of the cylinder.
{ Take $\pi = \frac{22}{7}$ }

- Ans**
- ☐ 1. 45,550
 - ☒ 2. 55,440
 - ☐ 3. 50,440
 - ☐ 4. 65,660

Q.24 Find the value of $\frac{1 - \sec^2 \theta}{\sin^2 \theta} \times \cos^2 \theta$.

- Ans**
- ☐ 1. $\tan \theta$
 - ☐ 2. $\tan^2 \theta$
 - ☒ 3. -1
 - ☐ 4. 1

Q.25 Pipe A can fill a tank in 16 hours, pipe B can fill the same tank in 28 hours and pipe C can fill the same tank in 8 hours. The time taken by them to fill the same tank if they operate together is::

- Ans**
- ☒ 1. $4\frac{12}{25} \text{ hours}$
 - ☐ 2. $2\frac{12}{25} \text{ hours}$
 - ☐ 3. $8\frac{12}{25} \text{ hours}$
 - ☐ 4. $11\frac{12}{25} \text{ hours}$



Q.26 The average of first 155 even numbers is

- Ans
- ☒ 1. 156
 - ☐ 2. 155.5
 - ☐ 3. 157
 - ☐ 4. 156.5

Q.27 Find the value of x satisfying: $2(3x^2 - 6) - 3(2x^2 + 8x - 5) = 14$

- Ans
- ☐ 1. $-\frac{19}{24}$
 - ☐ 2. $-\frac{13}{24}$
 - ☐ 3. $-\frac{17}{24}$
 - ☒ 4. $-\frac{11}{24}$

Q.28 6 men can complete a piece of work in 9 days, while 6 women can do it in 6 days. In how many days can 2 women and 3 men complete this work?

- Ans
- ☐ 1. 10 days
 - ☐ 2. 11 days
 - ☐ 3. 12 days
 - ☒ 4. 9 days

Q.29 The number of prime numbers lying between 430 and 438, both included, is:

- Ans
- ☐ 1. 6
 - ☒ 2. 2
 - ☐ 3. 4
 - ☐ 4. 3

Q.30 The marks scored by 10 students are given below.
13, 20, 15, 13, 19, 12, 12, 11, 13, 10
The mode of the given data is:

- Ans
- ☒ 1. 13
 - ☐ 2. 15
 - ☐ 3. 19
 - ☐ 4. 20

Section : General Intelligence and Reasoning

Q.1 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

108, 54
78, 39

- Ans
- ☐ 1. 12, 24
 - ☐ 2. 65, 13
 - ☒ 3. 96, 48
 - ☐ 4. 54, 18



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Q.2 What will come in the place of the question mark (?) in the following equation, if '÷' and '→' are interchanged and '×' and '+' are interchanged?
 $15 + 7 \div 7 \times 48 - 2 + 23 \times 4 = ?$

- Ans
- ☒ 1. 612
 - ☒ 2. 716
 - ☒ 3. 559
 - ☒ 4. 654

Q.3 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. NGK
 - ☒ 2. TMQ
 - ☒ 3. QJN
 - ☒ 4. IBE

Q.4 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some guns are roses.
All roses are bats.

Conclusions:

(I) Some guns are bats.
(II) All bats are roses.

- Ans
- ☒ 1. Both conclusions (I) and (II) follow.
 - ☒ 2. Only conclusion (II) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Only conclusion (I) follows.

Q.5 In a certain code language, 'GIRL' is coded as '5317' and 'INKS' is coded as '2146'. What is the code for 'I' in the given code language?

- Ans
- ☒ 1. 3
 - ☒ 2. 2
 - ☒ 3. 4
 - ☒ 4. 1

Q.6 Each of the digits in the number 2436857 is arranged in ascending order from left to right. What will be the sum of the digits which are third from the left and second from the right in the new number thus formed?

- Ans
- ☒ 1. 12
 - ☒ 2. 9
 - ☒ 3. 10
 - ☒ 4. 11

Q.7 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GBD IDF KFH MHJ ?

- Ans
- ☒ 1. PJS
 - ☒ 2. OJL
 - ☒ 3. PQS
 - ☒ 4. OQK



Q.8 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

MINK - IKNM - KNIM
PLOT - LTOP - TOLP

- Ans**
- ☐ 1. TOES - OTES - SOET
 - ☐ 2. WAIT - AWIT - TAIW
 - ☐ 3. READ - RAED - DAER
 - ☒ 4. CORD - ODRC - DROC

Q.9 What should come in place of the question mark (?) in the given series?

18 58 47 145 134 ?

- Ans**
- ☐ 1. 426
 - ☒ 2. 406
 - ☐ 3. 460
 - ☐ 4. 408

Q.10 Refer to the following number, symbol series and answer the question that follow.
Counting to be done from left to right only.

(Left) ? 7 3 ? 2 5 3 ^ # + * @ 2 7 # & 5 2 * # 2 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☒ 1. One
 - ☐ 2. Three
 - ☐ 3. Four
 - ☐ 4. Two

Q.11 What should come in place of the question mark (?) in the given series?

450 455 461 466 472 477 483 ?

- Ans**
- ☒ 1. 488
 - ☐ 2. 490
 - ☐ 3. 487
 - ☐ 4. 489

Q.12 H, I, J, K, U, V and W are sitting around a circular table facing the centre of the table. U sits fourth to the left of V. H sits fourth to the right of J. Only two people sit between V and J when counted from the left of V. K is not an immediate neighbour of H or V. I is not an immediate neighbour of K. Who sits third to the right of W?

- Ans**
- ☐ 1. K
 - ☒ 2. I
 - ☐ 3. U
 - ☐ 4. H

Q.13 Nikhil ranked 18th from the top and 36th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 55
 - ☐ 2. 54
 - ☒ 3. 53
 - ☐ 4. 52



Q.14 Six people, E, F, G, H, I and P, are sitting in a row, facing north. Only two people sit to the left of P. Only two people sit between P and E. Only one person sits between E and H. Only I sits between P and G. How many people sit between F and I?

- Ans**
- ☒ 1. Zero
 - ☒ 2. Three
 - ☒ 3. Two
 - ☒ 4. One

Q.15 Govind starts from Point Y and drives 12 km towards west. He then turns right and drives 37 km, takes a left turn, drives 18 km, turns left and drives 63 km. He then takes a right turn and drives 19 km. He takes a right turn, drives 35 km, turns left, drives 32 km, then turns left and drives 9 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 71 km towards west
 - ☒ 2. 84 km towards west
 - ☒ 3. 81 km towards east
 - ☒ 4. 77 km towards east

Q.16 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. IL - FQ
 - ☒ 2. WR - TW
 - ☒ 3. HY - DD
 - ☒ 4. QE - NJ

Q.17 EGLU is related to IKOX in a certain way based on the English alphabetical order. In the same way, UWXG is related to YAAJ. To which of the given options is GIGP related, following the same logic?

- Ans**
- ☒ 1. KMJS
 - ☒ 2. KMSJ
 - ☒ 3. KSDF
 - ☒ 4. KJSM

Q.18 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. RT-MO
 - ☒ 2. OQ-JM
 - ☒ 3. WY-RU
 - ☒ 4. UW-PS

Q.19 Niku ranked 24th from the top and 13th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 35
 - ☒ 2. 34
 - ☒ 3. 36
 - ☒ 4. 37



Q.20 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HMI 3, JOK 6, LQM 9, NSO 12, ?

- Ans
- ☐ 1. MTP 20
 - ☐ 2. OUQ 15
 - ☒ 3. PUQ 15
 - ☐ 4. PTP 20

Q.21 GBNS is related to EYPV in a certain way based on the English alphabetical order. In the same way, CVRY is related to ASTB. To which of the following is YPVE related, following the same logic?

- Ans
- ☐ 1. VNXG
 - ☐ 2. XLYF
 - ☒ 3. WMXH
 - ☐ 4. VLWF

Q.22 Each of the digits in the number 6243514 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- Ans
- ☐ 1. Two
 - ☐ 2. Three
 - ☒ 3. One
 - ☐ 4. None

Q.23 What should come in place of the question mark (?) in the given series?

679 680 684 693 709 ?

- Ans
- ☐ 1. 741
 - ☐ 2. 739
 - ☒ 3. 734
 - ☐ 4. 731

Q.24 In a certain code language,
'A = B' means 'A is the wife of B',
'A ≠ B' means 'A is the father of B',
'A # B' means 'A is the brother of B' and
'A % B' means 'A is the son of B'.

How is S related to P if 'S ≠ Y # R = U % P'?

- Ans
- ☐ 1. Son's wife's sister
 - ☒ 2. Son's wife's father
 - ☐ 3. Son's wife's mother
 - ☐ 4. Son's wife's brother

Q.25 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All lions are tigers. No lion is a cat.

Conclusions (I): Some cats are lions.

Conclusions (II): Some tigers are lions.

- Ans
- ☐ 1. Neither conclusion (I) nor (II) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☐ 3. Only conclusion (I) follows.
 - ☐ 4. Both conclusions (I) and (II) follow



Q.26 In a certain code language, 'SAID' is coded as '6175' and 'DIMS' is coded as '7691'. What is the code for 'M' in the given code language?

- Ans**
- ☒ 1. 9
 - ☐ 2. 7
 - ☐ 3. 6
 - ☐ 4. 1

Q.27 Seven boxes T, U, V, W, X, Y and D are kept one over the other but not necessarily in the same order. T is kept immediately above D. U is kept immediately above W. Only V is kept above Y. Only one box are kept between V and T. Only two boxes are kept between Y and X. How many boxes are kept between W and V?

- Ans**
- ☐ 1. One
 - ☒ 2. Five
 - ☐ 3. Four
 - ☐ 4. Two

Q.28 What will come in the place of the question mark (?) in the following equation, if '+' and 'x' are interchanged, and '-' and '÷' are interchanged?

$$42 - 7 \times 12 + 3 \div 13 = ?$$

- Ans**
- ☐ 1. 11
 - ☐ 2. 15
 - ☒ 3. 29
 - ☐ 4. 22

Q.29 This question is based on the five, three-digit numbers given below.

(Left) 384 673 543 236 741 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

- Ans**
- ☐ 1. 2
 - ☒ 2. 0
 - ☐ 3. 3
 - ☐ 4. 1

Q.30 Town J is to the west of town M. Town N is to the south of Town M. Town K is to the west of Town N. Town L is to the south of town N. What is the position of town L with respect to town K?

- Ans**
- ☐ 1. Northeast
 - ☐ 2. Southwest
 - ☐ 3. Northwest
 - ☒ 4. Southeast





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सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	08/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which Act created the post of the Governor-General of Bengal?

- Ans**
- ☒ 1. Regulating Act, 1773
 - ☐ 2. Pitt's India Act, 1784
 - ☐ 3. Government of India Act, 1858
 - ☐ 4. Charter Act, 1813

Q.2 Which global chip-design conference, returning to San Francisco in June 2025, for its 62nd edition, announced a GenAI Chip Hackathon?

- Ans**
- ☐ 1. ICCAD
 - ☒ 2. DAC
 - ☐ 3. ISSCC
 - ☐ 4. Hot Chips

Q.3 At the time of independence, which sector contributed the largest share to India's national income?

- Ans**
- ☐ 1. Trade
 - ☐ 2. Industry
 - ☐ 3. Service
 - ☒ 4. Agriculture

Q.4 What is the primary aim of the 'Pradhan Mantri Ujjwala Yojana'?

- Ans**
- ☐ 1. Providing free education to girls
 - ☒ 2. Providing LPG connections to women
 - ☐ 3. Providing employment in rural areas
 - ☐ 4. Providing mobile phones to rural households

Q.5 During the colonial period in India, which social reformer worked for widow remarriage and against child marriage in Bengal?

- Ans**
- ☒ 1. Ishwar Chandra Vidyasagar
 - ☐ 2. Swami Vivekananda
 - ☐ 3. Jyotiba Phule
 - ☐ 4. Syed Ahmed Khan



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Q.6 Which resilient and adaptable polymer is frequently found in industrial brushes, toothbrushes, and other cleaning supplies?

- Ans**
- ☐ 1. Neoprene
 - ☐ 2. Terylene
 - ☐ 3. Teflon
 - ☒ 4. Nylon 6, 6

Q.7 Who became the first athlete to break a national record at the Khelo India Para Games 2025 by lifting 101 kg in the 45 kg category powerlifting in March 2025?

- Ans**
- ☐ 1. Khushboo Gill
 - ☐ 2. Sonam Patil
 - ☐ 3. Kavipriya Raja
 - ☒ 4. Jaspreet Kaur

Q.8 Who was the Union Home Minister of India as of June 2025, following the general elections?

- Ans**
- ☐ 1. Nirmala Sitharaman
 - ☐ 2. Rajnath Singh
 - ☒ 3. Amit Shah
 - ☐ 4. Piyush Goyal

Q.9 A significant river of the Indian Desert, Luni originates from western slopes of the Aravalli ranges near which place in Rajasthan?

- Ans**
- ☐ 1. Udaipur
 - ☐ 2. Rajsamand
 - ☐ 3. Sirohi
 - ☒ 4. Ajmer

Q.10 Which stone was mainly utilised in building the Chennakeshava Temple in Belur, India?

- Ans**
- ☒ 1. Soapstone
 - ☐ 2. Marble
 - ☐ 3. Sandstone
 - ☐ 4. Granite

Q.11 Which of the following regional film industries is based in Chennai and produces movies in the Tamil language?

- Ans**
- ☐ 1. Bollywood
 - ☐ 2. Mollywood
 - ☒ 3. Kollywood
 - ☐ 4. Tollywood

Q.12 Which of the following allows users to delete a file using the mouse?

- Ans**
- ☐ 1. Copy the file
 - ☒ 2. Drag it to the Recycle Bin
 - ☐ 3. Left-click the file
 - ☐ 4. Minimize the window

Q.13 Which of the following Parliamentary Committees of India is considered a 'Financial Committee'?

- Ans**
- ☐ 1. Committee on Welfare of SCs and STs
 - ☐ 2. Committee on Petitions
 - ☐ 3. Committee on Privileges
 - ☒ 4. Estimates Committee



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Q.14 In how many assembly constituencies were the Delhi Assembly elections held on 5 February 2025?

- Ans**
- ☐ 1. 62
 - ☒ 2. 70
 - ☐ 3. 78
 - ☐ 4. 55

Q.15 Which 18th-century revolt was led by Raja Chait Singh against British interference in the Benares region in 1781?

- Ans**
- ☐ 1. Chuar Revolt
 - ☐ 2. Kol Revolt
 - ☒ 3. Benares Revolt
 - ☐ 4. Santhal Revolt

Q.16 Which of the following is a characteristic feature of subsistence farming?

- Ans**
- ☐ 1. Use of modern irrigation techniques
 - ☐ 2. Use of high-yielding varieties
 - ☒ 3. Farming for family consumption
 - ☐ 4. Commercial crop production

Q.17 Which of the following was the official theme for World Meteorological Day celebrated on 23 March 2025?

- Ans**
- ☒ 1. Closing the Early Warning Gap Together
 - ☐ 2. Weather-Ready, Climate-Smart
 - ☐ 3. Investing in Weather and Climate Services
 - ☐ 4. Climate Knowledge for Climate Action

Q.18 The Nizam of Hyderabad accepted British subsidiary alliance under _____.

- Ans**
- ☐ 1. Sir John Shore
 - ☐ 2. Lord Hastings
 - ☐ 3. Lord Cornwallis
 - ☒ 4. Lord Wellesley

Q.19 In which border areas did India and China agree on patrolling arrangements along the Line of Actual Control on 21 October 2024?

- Ans**
- ☐ 1. Puga and Chumathang
 - ☐ 2. Rudok and Guge
 - ☒ 3. Dopsang and Demchok
 - ☐ 4. Aksai and Lingzi Thang

Q.20 Which Indian state hosted the 38th edition of the National Games in early 2025?

- Ans**
- ☐ 1. Gujarat
 - ☐ 2. Goa
 - ☒ 3. Uttarakhand
 - ☐ 4. Kerala

Q.21 If an object moves up to four times faster than the speed of sound, the condition is called:

- Ans**
- ☐ 1. subsonic
 - ☐ 2. hypersonic
 - ☒ 3. supersonic
 - ☐ 4. transonic



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Q.22 The Faraizi Movement, led by Haji Shariatullah, focused on religious purification and resisting the British in which region?

- Ans**
- ☐ 1. Punjab
 - ☐ 2. Gujarat
 - ☐ 3. Delhi
 - ☒ 4. Bengal

Q.23 In 2025, the Federation of Indian Associations (FIA) elected Hemant Patel as President for the 2025–2026 term. Where is this organisation based?

- Ans**
- ☐ 1. London, UK
 - ☐ 2. New Delhi, India
 - ☒ 3. Chicago, USA
 - ☐ 4. Toronto, Canada

Q.24 According to the Brønsted-Lowry theory, which of the following defines an acid?

- Ans**
- ☒ 1. Donates a proton
 - ☐ 2. Donates a hydroxide ion
 - ☐ 3. Accepts a proton
 - ☐ 4. Accepts an electron pair

Q.25 The Convention on Biological Diversity (CBD) was a result of which global conference?

- Ans**
- ☒ 1. Earth Summit, 1992
 - ☐ 2. Stockholm Conference
 - ☐ 3. Paris Agreement
 - ☐ 4. Kyoto Conference

Q.26 In 2025, what does the abbreviation NGLV stand for in ISRO's latest rocket programme?

- Ans**
- ☐ 1. New Generation Lunar Vehicle
 - ☒ 2. Next Generation Launch Vehicle
 - ☐ 3. Nuclear Geo Launch Vehicle
 - ☐ 4. National Geo Lander Vehicle

Q.27 In May 2025, ISRO's Aditya-L1 mission released its first set of scientific data. What is the primary objective of this mission?

- Ans**
- ☒ 1. Observe the Sun's outermost layer
 - ☐ 2. Study Mars' atmosphere
 - ☐ 3. Explore the Moon's surface
 - ☐ 4. Investigate deep space phenomena

Q.28 Which type of memory loses all its stored data when the power is turned off?

- Ans**
- ☐ 1. ROM
 - ☒ 2. RAM
 - ☐ 3. USB flash drive
 - ☐ 4. Hard disk drive

Q.29 What is the main reason behind the formation of lagoons along the Eastern Coastal Plains?

- Ans**
- ☐ 1. Sand deposition along the shallow coastlines
 - ☐ 2. Tectonic activity and fault line shifts
 - ☐ 3. Coral reef development and volcanic islands
 - ☒ 4. Deposition by rivers and wave action along the coast



Q.30 Which scheme has been launched by the Chief Minister of Kerala in May 2025 to educate migrant children?

- Ans**
- ☐ 1. Usha
 - ☐ 2. Pratibha
 - ☐ 3. Gargi
 - ☒ 4. Jyothi

Q.31 Which of the following is **INCORRECT** about the Harappans?

- Ans**
- ☐ 1. The most favoured ornaments were beads of carnelian.
 - ☐ 2. They exported ornaments, timber, some objects of daily use.
 - ☐ 3. The Harappans were engaged in active trade.
 - ☒ 4. The Harappans used only gold to make tools, pots and pans.

Q.32 Which of the following is a shallow desert depression formed by wind erosion?

- Ans**
- ☐ 1. Pediment
 - ☒ 2. Deflation hollow
 - ☐ 3. Playa
 - ☐ 4. Inselberg

Q.33 Privatisation aims to improve _____ in public enterprises.

- Ans**
- ☒ 1. operational efficiency and competitiveness
 - ☐ 2. government expenditure
 - ☐ 3. bureaucratic control
 - ☐ 4. political influence

Q.34 The Rihand Hydroelectric Project is located in which district of Uttar Pradesh?

- Ans**
- ☐ 1. Guna
 - ☒ 2. Sonebhadra
 - ☐ 3. Robertsganj
 - ☐ 4. Saharanpur

Q.35 Which of the following communities may apply for Indian citizenship after just 6 years of residence, as per the Citizenship (Amendment) Act, 2019?

- Ans**
- ☐ 1. Buddhists from Nepal
 - ☒ 2. Sikhs from Pakistan
 - ☐ 3. Jews from Israel
 - ☐ 4. Hindus from Sri Lanka

Q.36 Which city hosted the opening ceremony of the 2025 National Games?

- Ans**
- ☐ 1. Haridwar
 - ☒ 2. Dehradun
 - ☐ 3. Patna
 - ☐ 4. Nainital

Q.37 President Murmu went to which country in April 2025 to represent India at the funeral of Pope Francis?

- Ans**
- ☒ 1. Vatican City
 - ☐ 2. Italy
 - ☐ 3. France
 - ☐ 4. Germany



Q.38 Which of the following is an example of soft infrastructure?

- Ans**
- ☐ 1. Water pipelines
 - ☒ 2. Public education
 - ☐ 3. Bridges
 - ☐ 4. Airports

Q.39 Which of the following statements regarding the estimation of India's national and per capita income during the colonial rule is correct?

- Ans**
- ☒ 1. The colonial government never made any sincere attempt to estimate India's national and per capita income.
 - ☐ 2. The colonial government estimated India's national and per capita income sincerely every year.
 - ☐ 3. The colonial government estimated India's per capita income but ignored national income.
 - ☐ 4. The colonial government estimated India's national income but ignored per capita income.

Q.40 Under which of the following conditions is a Tribal Advisory Council (TAC) established in a State?

- Ans**
- ☐ 1. When the tribal population exceeds 10%
 - ☐ 2. When the tribal population exceeds 50%
 - ☐ 3. If the State has any forest area
 - ☒ 4. If there is at least one Scheduled Tribe

Section : Mathematics

Q.1 The sum of two numbers is 57 and their L.C.M. is 812. What are the two numbers?

- Ans**
- ☐ 1. 21, 36
 - ☐ 2. 26, 31
 - ☒ 3. 28, 29
 - ☐ 4. 33, 24

Q.2 The greatest number that divides 131, 91, and 215, leaving remainders 8, 9, and 10 respectively, is:

- Ans**
- ☐ 1. 37
 - ☐ 2. 61
 - ☐ 3. 57
 - ☒ 4. 41

Q.3 By selling an article at $\frac{2}{5}$ of its actual selling price, Nirbhay incurs a loss of 26%.

If he sells it at 84% of its actual selling price, then the profit percentage is:

- Ans**
- ☐ 1. 56.7%
 - ☐ 2. 57.8%
 - ☒ 3. 55.4%
 - ☐ 4. 55.6%

Q.4 A man goes to Nagpur from Visakhapatnam at a speed of 55 km/hr and returns to Visakhapatnam at speed of 66 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans**
- ☐ 1. 58
 - ☒ 2. 60
 - ☐ 3. 63
 - ☐ 4. 55



Q.5 The sum of five numbers is 655. The average of the first two numbers is 80 and the third number is 101. Find the average of the remaining two numbers.

- Ans
- ☐ 1. 198
 - ☐ 2. 182
 - ☐ 3. 181
 - ☒ 4. 197

Q.6 Given that $58^{0.5} = x$, $58^{0.79} = y$ and $x^z = y^{10}$, then the value of z is close to:

- Ans
- ☐ 1. 15.54
 - ☐ 2. 18.48
 - ☐ 3. 16.7
 - ☒ 4. 15.8

Q.7 Pallavi bought a toy for ₹740, decorated it at a cost of ₹16 and sold the toy for ₹558. Find the loss or profit percentage.

- Ans
- ☐ 1. 550 % loss
 - ☐ 2. $\frac{560}{21}$ % profit
 - ☐ 3. $\frac{550}{21}$ % profit
 - ☒ 4. $\frac{550}{21}$ % loss

Q.8 A number when increased by 80% gives 2790. The number is:

- Ans
- ☐ 1. 3100
 - ☐ 2. 775
 - ☒ 3. 1550
 - ☐ 4. 4650

Q.9 Rahul buys a box of pens (listed price of ₹900) with a trade discount of 30%. What is the net price?

- Ans
- ☐ 1. ₹600
 - ☐ 2. ₹700
 - ☐ 3. ₹750
 - ☒ 4. ₹630

Q.10 A cylindrical rod has an outer curved surface area of 3300 cm^2 . If the length of the rod is 72 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

Take $\Pi = \frac{22}{7}$.

- Ans
- ☐ 1. 7.36
 - ☒ 2. 7.29
 - ☐ 3. 6.37
 - ☐ 4. 8.31

Q.11 Which of the following numbers divides 4,81,355?

- Ans
- ☐ 1. 3
 - ☐ 2. 15
 - ☒ 3. 5
 - ☐ 4. 6



Q.12 A regular polygon has 30 sides. Find the measure of one interior angle.

Ans ☒ 1. 168°

☐ 2. 128°

☐ 3. 48°

☐ 4. 12°

Q.13 A shopkeeper marked the price of a table as ₹1,400 and offered two successive discounts, one of which is 12%. If a customer pays ₹1,133.44 for the table, then what was the second discount percentage offered?

Ans ☐ 1. 10%

☒ 2. 8%

☐ 3. 15 %

☐ 4. 5%

Q.14 Find the value of $\sin(90 - x) \cos(180 - (x - y)) + \cos(90 - x) \sin(180 - (y - x))$.

Ans ☐ 1. $\sin y$

☐ 2. $\cos y$

☒ 3. $-\cos y$

☐ 4. $-\sin y$

Q.15 If the third proportional of 81 and 27 is x, then what is the value of x?

Ans ☐ 1. 6

☒ 2. 9

☐ 3. 11

☐ 4. 7

Q.16 The current population of a town is 12,014. It increases by 25% and 60% in two successive years but decreases by 50% in the third year. What is the population of the town at the end of the third year?

Ans ☒ 1. 12,014

☐ 2. 12,015

☐ 3. 12,019

☐ 4. 12,013

Q.17 Evaluate: $(-9) - (-60) \div (-10) + (-3) \times 6$

Ans ☐ 1. -36

☒ 2. -33

☐ 3. -35

☐ 4. -32

Q.18 Ritik and Sanjay together invested ₹79,200 in a business. At the end of the year, out of a total profit of ₹16,500, Sanjay's share was ₹3,600. What was the difference between their investments?

Ans ☐ 1. ₹42,824

☒ 2. ₹44,640

☐ 3. ₹46,400

☐ 4. ₹42,889



Q.19 The average weight of Vipul, Mohan and Mohammad is 45 kg. If the average weight of Vipul and Mohan is 43 kg and that of Mohan and Mohammad is 50 kg, then the weight of Mohan (in kg) is:

- Ans**
- ☐ 1. 66
 - ☐ 2. 61
 - ☒ 3. 51
 - ☐ 4. 71

Q.20 A train with a length of 195 m overtakes a man moving at a speed of 5 km/hr (in the same direction) in 13 seconds. How much time (in seconds) will it take this train to completely cross another train that is 255 m long, moving in the opposite direction at a speed of 76 km/hr?

- Ans**
- ☐ 1. 13
 - ☐ 2. 31
 - ☐ 3. 32
 - ☒ 4. 12

Q.21 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month for 11 months.

- Ans**
- ☐ 1. ₹53
 - ☒ 2. ₹396
 - ☐ 3. ₹66
 - ☐ 4. ₹33

Q.22 The sum of the squares of two consecutive odd natural numbers is 394. The sum of the numbers is:

- Ans**
- ☐ 1. 24
 - ☐ 2. 22
 - ☐ 3. 32
 - ☒ 4. 28

Q.23 Pipe P can fill $\frac{5}{7}$ part of a tank in 30 hours, and pipe Q can fill $\frac{2}{5}$ part of the same tank in 28 hours.

Both P and Q were kept open for 7 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans**
- ☒ 1. 210 hours
 - ☐ 2. 204 hours
 - ☐ 3. 222 hours
 - ☐ 4. 214 hours

Q.24 A can do a work in 10 days and B can do the same work in 20 days. If they work on it together for 6 days, then what fraction of the work is left?

- Ans**
- ☐ 1. $\frac{11}{10}$
 - ☐ 2. $\frac{7}{10}$
 - ☒ 3. $\frac{1}{10}$
 - ☐ 4. $\frac{3}{10}$



Q.25 P, Q and R invested a sum in the ratio of 34 : 75 : 6, respectively. If they earned a total profit of ₹3,600 at the end of the year, what is the difference between the shares of Q and R?

- Ans**
- ☐ 1. ₹2,109
 - ☐ 2. ₹2,316
 - ☐ 3. ₹2,264
 - ☒ 4. ₹2,160

Q.26 Seven times the present age of P exceeds the present age of Q by 46 years. After 8 years, six times Q's age will be 24 years less than six times P's age at that time. What is the present age (in years) of Q?

- Ans**
- ☐ 1. 11
 - ☐ 2. 12
 - ☐ 3. 5
 - ☒ 4. 3

Q.27 The area of a triangle is 1080 cm^2 and its sides are in the ratio 5 : 12 : 13. The perimeter of the triangle is:

- Ans**
- ☐ 1. 210 cm
 - ☒ 2. 180 cm
 - ☐ 3. 150 cm
 - ☐ 4. 120 cm

Q.28 Find the simple interest (in ₹) on ₹4,000 at 6.75% per annum rate of interest deposited on 22 February 2024 and withdrawn on 23 April 2024.

- Ans**
- ☐ 1. ₹44
 - ☐ 2. ₹43
 - ☐ 3. ₹46
 - ☒ 4. ₹45

Q.29 Simplify the given expression.

$$x(3x - 5) + 5(x^2 - 3) + 16$$

- Ans**
- ☐ 1. $8x^2 - 5x - 1$
 - ☒ 2. $8x^2 - 5x + 1$
 - ☐ 3. $8x^2 - 5x - 1$
 - ☐ 4. $-8x^2 - 5x - 1$

Q.30 What smallest number should be added to 91673 so that the sum is completely divisible by 88?

- Ans**
- ☐ 1. 24
 - ☐ 2. 21
 - ☒ 3. 23
 - ☐ 4. 26

Section : General Intelligence and Reasoning



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Q.1 If '+' means 'subtraction', '-' means 'multiplication', 'x' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$12 + 105 \times 3 \div 14 - 3 = ?$$

- Ans
- ☐ 1. 30
 - ☒ 2. 19
 - ☐ 3. 23
 - ☐ 4. 27

Q.2 In a certain code language, 'PEST' is coded as '6324' and 'PENS' is coded as '8634'. What is the code for 'N' in the given code language?

- Ans
- ☐ 1. 4
 - ☒ 2. 8
 - ☐ 3. 6
 - ☐ 4. 3

Q.3 LGEI is related to RMKO in a certain way based on the English alphabetical order. In the same way, JECG is related to PKIM. To which of the given options is HCAE related, following the same logic?

- Ans
- ☐ 1. INKG
 - ☐ 2. NIKG
 - ☐ 3. INGK
 - ☒ 4. NIGK

Q.4 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. NJL
 - ☐ 2. LHJ
 - ☒ 3. TPS
 - ☐ 4. QMO

Q.5 What should come in place of the question mark (?) in the given series?

670 669 661 634 570 ?

- Ans
- ☐ 1. 441
 - ☒ 2. 445
 - ☐ 3. 440
 - ☐ 4. 447

Q.6 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some woods are chisels.
Some chisels are graphs.

Conclusions:

- (I) Some woods are graphs.
(II) All graphs are chisels.

- Ans
- ☐ 1. Both conclusions (I) and (II) follow.
 - ☐ 2. Only conclusion (I) follows.
 - ☐ 3. Only conclusion (II) follows.
 - ☒ 4. Neither conclusion (I) nor (II) follows.

Q.7 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow(s) from the given statements

Statements:

Some nuts are berries.

All fruits are berries.

Conclusions (I): Some nuts are fruits.

Conclusions (II): All berries are fruits.

- Ans**
- ☐ 1. Only conclusion (I) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☐ 4. Only conclusion (II) follows.

Q.8 Binoy starts from Point Y and drives 16 km towards the north. He then takes a right turn and drives 43 km, then turns right and drives 38 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 22 km and stops at Point Z. How far (shortest distance) and in which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ 1. 31 km towards the south
 - ☒ 2. 24 km towards the west
 - ☐ 3. 29 km towards the east
 - ☐ 4. 22 km towards the east

Q.9 In a certain code language, 'GUNS' is coded as '7642' and 'STUN' is coded as '2364'. What is the code for 'T' in the given code language?

- Ans**
- ☐ 1. 4
 - ☒ 2. 3
 - ☐ 3. 2
 - ☐ 4. 6

Q.10 DUMB is related to TMCT in a certain way based on the English alphabetical order. In the same way, POYV is related to FGON. To which of the given options is LQUX related, following the same logic?

- Ans**
- ☐ 1. BIPL
 - ☐ 2. BPKI
 - ☐ 3. BIPK
 - ☒ 4. BIKP

Q.11 Seven boxes F, G, H, M, N, O and P are kept one over the other but not necessarily in the same order. Only two boxes are kept below O. Only one box is kept above N. Only one box is kept between N and H. G is kept immediately above M. F is kept at some place below P. How many boxes are kept between P and G?

- Ans**
- ☐ 1. One
 - ☐ 2. Two
 - ☐ 3. Three
 - ☒ 4. Four

Q.12 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. BX – HK
 - ☐ 2. GC – MP
 - ☒ 3. TP – ZD
 - ☐ 4. XT – DG



Q.13 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GLE25 HMF36 ING47 JOH58 ?

- Ans**
- ☐ 1. KPJ68
 - ☐ 2. KPI68
 - ☐ 3. KPJ69
 - ☒ 4. KPI69

Q.14 L, M, N, O, Q, R and S are sitting around a circular table facing the centre of the table. Only one person sits between N and Q when counted from the left of Q. S sits third to the right of R. L sits third to the left of M. S sits to the immediate right of L. O is not an immediate neighbour of L. How many people sit between O and Q when counted from the right of O?

- Ans**
- ☒ 1. Three
 - ☐ 2. Two
 - ☐ 3. Four
 - ☐ 4. One

Q.15 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

**130, 26
225, 45**

- Ans**
- ☐ 1. 155, 30
 - ☒ 2. 160, 32
 - ☐ 3. 200, 42
 - ☐ 4. 185, 36

Q.16 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VKQ 142, ZPU 136, DUY 130, HZC 124, LEG 118, ?

- Ans**
- ☐ 1. OIL 114
 - ☒ 2. PJK 112
 - ☐ 3. QKM 112
 - ☐ 4. LKJ 114

Q.17 Five people (A, B, C, D and E) are sitting in a straight line. They all are facing towards the north. B is sitting immediately between C and E. A is sitting third to the left of E. C is sitting second to the right of D. Who is sitting at the extreme left end of line?

- Ans**
- ☒ 1. D
 - ☐ 2. E
 - ☐ 3. B
 - ☐ 4. A



Q.18 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) £ 7 1 1 @ @ 2 © 5 \$ & @ £ % # 7 € © @ 8 \$ (Right)

How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans
- ☐ 1. 2
 - ☐ 2. 0
 - ☒ 3. 1
 - ☐ 4. 3

Q.19 Seven boxes A, B, C, D, E, F, and G are kept one over the other but not necessarily in the same order. Only four boxes are kept between A and E. Only G is kept above A. Only two boxes are kept between B and C. D is kept immediately above F. C is not kept immediately above D.

How many boxes are kept above D?

- Ans
- ☐ 1. One
 - ☐ 2. Four
 - ☐ 3. Two
 - ☒ 4. Three

Q.20 In a row of 47 students facing north, Shivangi is 21st from the left end. If Ankit is 22nd to the right of Shivangi, what is Ankit's position from the right end of the line?

- Ans
- ☐ 1. 4th
 - ☒ 2. 5th
 - ☐ 3. 3rd
 - ☐ 4. 6th

Q.21 What should come in place of the question mark (?) in the given series?

31 47 63 79 ? 111 127

- Ans
- ☐ 1. 85
 - ☐ 2. 101
 - ☒ 3. 95
 - ☐ 4. 92

Q.22 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit. Counting to be done from left to right only.

(Left) % 6 @ 9 * 3 \$ 7 8 ? 1 Ω 2 £ 5 # 4 & (Right)

If all the symbols and even numbers are dropped from the series, which of the following will be fourth from the right end?

- Ans
- ☐ 1. 7
 - ☐ 2. 5
 - ☐ 3. 9
 - ☒ 4. 3

Q.23 Each of the digits in the number 8123457 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans
- ☐ 1. Three
 - ☐ 2. Two
 - ☐ 3. One
 - ☒ 4. None



Q.24 BGLY is related to EIOA in a certain way based on the English alphabetical order. In the same way, NOXG is related to QQAI. To which of the given options is WUGM related, following the same logic?

- Ans**
- ☐ 1. ZJOW
 - ☐ 2. ZJOI
 - ☐ 3. ZWOJ
 - ☒ 4. ZWJO

Q.25 What should come in place of the question mark (?) in the given series?

312 296 280 264 ? 232 216

- Ans**
- ☐ 1. 242
 - ☒ 2. 248
 - ☐ 3. 260
 - ☐ 4. 240

Q.26 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. DGF
 - ☐ 2. ORQ
 - ☒ 3. POT
 - ☐ 4. FIH

Q.27 Himank starts from Point A and drives 13 km towards West. He then takes a left turn, drives 3 km, turns left and drives 16 km. He then takes a left turn and drives 6 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 3 km to South
 - ☐ 2. 4 km to South
 - ☐ 3. 4 km to North
 - ☐ 4. 3 km to North

Q.28 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 5672493, then which of the following digits will be third from the left in the new number thus formed?

- Ans**
- ☐ 1. 2
 - ☐ 2. 8
 - ☒ 3. 6
 - ☐ 4. 4

Q.29 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 29134576, then what will be the difference between the greatest and smallest digit in the number thus formed?

- Ans**
- ☐ 1. 6
 - ☐ 2. 4
 - ☐ 3. 2
 - ☒ 4. 8



Q.30 K is the son of I. I is the father of L. L is the mother of O. O is the brother of S. How is K related to O?

Ans  1. Mother's brother

 2. Wife

 3. Father

 4. Brother





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	08/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Under Article 239 of the Constitution, a Union Territory is administered by:

- Ans**
- ☒ 1. the Governor of an adjacent State
 - ☒ 2. the Prime Minister of India
 - ☒ 3. the Parliament of India
 - ☒ 4. the President of India

Q.2 Which body is entrusted with recruiting India's civil servants on the basis of merit?

- Ans**
- ☒ 1. The President's Secretariat
 - ☒ 2. State Governments through District Boards
 - ☒ 3. The Union Public Service Commission
 - ☒ 4. The Election Commission of India

Q.3 Which renewable energy source is dependent on the gravitational pull of the moon?

- Ans**
- ☒ 1. Wind energy
 - ☒ 2. Biomass energy
 - ☒ 3. Solar energy
 - ☒ 4. Tidal energy

Q.4 Which Indian Light Tank (ILT) has achieved a major feat in December 2024 by firing multiple rounds at various ranges at an altitude of over 4200 m?

- Ans**
- ☒ 1. Zorawar
 - ☒ 2. Yuvraj
 - ☒ 3. Dhruv
 - ☒ 4. Amar

Q.5 Which sectors were emphasised in the Eighth Five-Year Plan for employment generation?

- Ans**
- ☒ 1. Automotive and steel industries
 - ☒ 2. IT and software services
 - ☒ 3. Banking and finance
 - ☒ 4. Animal husbandry, fishery, horticulture and rural industries



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Q.6 The inaugural edition of India's first major naval exercise 'AIKEYME' was held off the coast of which African country in April 2025?

- Ans**
- ✓ 1. Tanzania
 - ✗ 2. Seychelles
 - ✗ 3. Kenya
 - ✗ 4. Comoros

Q.7 In 2025, which city in France hosted the French Open tennis tournament?

- Ans**
- ✗ 1. Lyon
 - ✗ 2. Marseille
 - ✓ 3. Paris
 - ✗ 4. Nice

Q.8 Which novel macrolide antibiotic, highlighted in a December 2024 PIB factsheet, is being positioned as India's first indigenous drug against community-acquired pneumonia?

- Ans**
- ✓ 1. Nafithromycin
 - ✗ 2. Pretomanid
 - ✗ 3. Lefamulin
 - ✗ 4. Delafloxacin

Q.9 Who were the Voharikas in the judicial structure of the Magadha period?

- Ans**
- ✗ 1. Local tax collectors
 - ✗ 2. Judges in village assemblies
 - ✓ 3. Lawyer-Judges
 - ✗ 4. Military generals

Q.10 Cabinet minister Kinjarapu Ram Mohan Naidu was related to which ministry in May 2025, who was named in the World Economic Forum (WEF) Young Global Leaders list 2025?

- Ans**
- ✗ 1. Ministry of Housing and Urban Affairs
 - ✗ 2. Ministry of Commerce and Industry
 - ✓ 3. Ministry of Civil Aviation
 - ✗ 4. Ministry of Corporate Affairs

Q.11 To change the desktop wallpaper, which option would you choose?

- Ans**
- ✗ 1. Settings > Devices
 - ✓ 2. Settings > Personalization
 - ✗ 3. Settings > Ease of Access
 - ✗ 4. Settings > Apps

Q.12 When did the Hershey-Chase experiment provide solid evidence that DNA, not proteins, is the genetic material?

- Ans**
- ✗ 1. 1957
 - ✓ 2. 1952
 - ✗ 3. 1950
 - ✗ 4. 1946



Q.13 The President of India, Droupadi Murmu, conferred which Jnanpith Award on the Sanskrit scholar Jagadguru Rambhadracharya in May 2025?

- Ans**
- ☐ 1. 62nd
 - ☒ 2. 58th
 - ☐ 3. 48th
 - ☐ 4. 52nd

Q.14 In which of the following shooting events (in distance) did Simranpreet Kaur Brar win silver medal in the women's category at ISSF World Cup 2025, Lima?

- Ans**
- ☒ 1. 25m
 - ☐ 2. 75 m
 - ☐ 3. 50 m
 - ☐ 4. 100 m

Q.15 Which Article of the Indian Constitution directs the State to promote the welfare of the people?

- Ans**
- ☐ 1. Article 43
 - ☐ 2. Article 47
 - ☒ 3. Article 38
 - ☐ 4. Article 42

Q.16 What is the main function of RAM in a computer?

- Ans**
- ☒ 1. To provide temporary storage for running programs
 - ☐ 2. To control the printer
 - ☐ 3. To store permanent data
 - ☐ 4. To process graphics

Q.17 Which indigenously developed missile was successfully test fired by DRDO and Indian Navy on 26 March 2025?

- Ans**
- ☐ 1. Short-Range Sea-to-Surface (Coast) Missile
 - ☐ 2. Advanced Short Range Air-to-Air Missile
 - ☐ 3. Short-Range Anti-Tank Missile
 - ☒ 4. Vertically Launched Short-Range Surface-to-Air Missile

Q.18 In which chronic disease do the inner walls of the lungs' air sacs, called alveoli, become damaged, causing them to eventually burst?

- Ans**
- ☒ 1. Emphysema
 - ☐ 2. Dyspepsia
 - ☐ 3. Arrhythmias
 - ☐ 4. Cystic fibrosis

Q.19 Who is known as the 'Grand Old Man of India' and promoted Indian economic nationalism?

- Ans**
- ☒ 1. Dadabhai Naoroji
 - ☐ 2. Lala Lajpat Rai
 - ☐ 3. Gopal Krishna Gokhale
 - ☐ 4. Surendranath Banerjee

Q.20 Which range is known for its rich biodiversity and is a UNESCO World Heritage Site?

- Ans**
- ☐ 1. Satpura Range
 - ☒ 2. Western Ghats
 - ☐ 3. Eastern Ghats
 - ☐ 4. Chotanagpur plateau



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Q.21 Which of the following organs represents the female reproductive part of a flower in angiosperms?

- Ans**
- ☐ 1. Petal
 - ☐ 2. Androecium
 - ☒ 3. Gynoecium
 - ☐ 4. Stamen

Q.22 _____ serves as the conventional base material for the art form known as Kalamkari.

- Ans**
- ☐ 1. Metal
 - ☐ 2. Wood
 - ☐ 3. Paper
 - ☒ 4. Cloth

Q.23 In which of the following years was the Bengal Sati Regulation enacted?

- Ans**
- ☐ 1. 1837
 - ☐ 2. 1818
 - ☒ 3. 1829
 - ☐ 4. 1858

Q.24 Which of the following correctly describes the Planning Commission of India?

- Ans**
- ☐ 1. A constitutional body established by an Article of the Constitution.
 - ☐ 2. A statutory body created by an Act of Parliament in 1950.
 - ☐ 3. A constitutional commission chaired by the Chief Justice of India.
 - ☒ 4. An extra-constitutional advisory body created by a government resolution in 1950.

Q.25 [October 2024] Mongla Port, recently seen in the news for strategic development and trade ties, is located in which country?

- Ans**
- ☐ 1. India
 - ☒ 2. Bangladesh
 - ☐ 3. Sri Lanka
 - ☐ 4. Myanmar

Q.26 Which Indian institution has developed an affordable device that is capable of rapidly separating plasma from blood and purifying water, priced at ₹1,000?

- Ans**
- ☒ 1. IIT-Allahabad
 - ☐ 2. IIT Kanpur
 - ☐ 3. IIT Hyderabad
 - ☐ 4. IISc Bangalore

Q.27 In 2025, which of the following institutes developed the paper-based technology 'Freshness Keeper' to extend the freshness of cut flowers?

- Ans**
- ☐ 1. Indian Institute of Horticulture Research
 - ☐ 2. IIT Madras
 - ☐ 3. IIT Bombay
 - ☒ 4. CSIR-Central Food Technological Research Institute

Q.28 Which of the following rivers is associated with National Waterway 10 (NW-10)?

- Ans**
- ☐ 1. Brahmaputra river
 - ☒ 2. Amba river
 - ☐ 3. Chambal river
 - ☐ 4. Yamuna river



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Q.29 A free trade arrangement of the SAARC countries, the South Asian Free Trade Area (SAFTA), came into force in which year?

- Ans**
- ☒ 1. 2006
 - ☐ 2. 2018
 - ☐ 3. 2010
 - ☐ 4. 2000

Q.30 भारत में फ़कीर-सन्यासी विद्रोह के साथ देवी चौधुरानी और भवानी पाठक का संबंध निम्नलिखित में से क्या इंगित करता है?

- Ans**
- ☐ 1. ये विद्रोह विशुद्ध रूप से धार्मिक प्रकृति के थे।
 - ☒ 2. इस विद्रोह में सभी धर्मों और लिंगों की भागीदारी थी।
 - ☐ 3. बंगाल में केवल जनजाति समूहों ने ही ऐसे प्रतिरोधों का नेतृत्व किया।
 - ☐ 4. इस आंदोलन पर उच्च जाति के कुलीन वर्ग का प्रभुत्व था।

Q.31 Barapani Lake of Shillong is also known as _____.

- Ans**
- ☒ 1. Umiam Lake
 - ☐ 2. Shilloi Lake
 - ☐ 3. Haflong Lake
 - ☐ 4. Jaisamand Lake

Q.32 Who is the head of the civil administration of a district court in India?

- Ans**
- ☐ 1. Chief Judicial Magistrate
 - ☒ 2. District Judge
 - ☐ 3. District Collector
 - ☐ 4. Registrar General of the High Court

Q.33 In which of the following years was the National Seeds Policy launched?

- Ans**
- ☐ 1. 2007
 - ☐ 2. 2010
 - ☒ 3. 2002
 - ☐ 4. 2018

Q.34 Decathlon, which set up its first outlet in India in Bengaluru in 2009, is a _____.

- Ans**
- ☐ 1. Swedish sports goods retailer
 - ☐ 2. German sports goods retailer
 - ☐ 3. Chinese sports goods retailer
 - ☒ 4. French sports goods retailer

Q.35 Volcanoes are often found in which type of plate boundary?

- Ans**
- ☐ 1. Convergent and transform boundaries only
 - ☐ 2. Divergent boundaries only
 - ☒ 3. Convergent and divergent boundaries
 - ☐ 4. Transform boundaries only

Q.36 What was the official theme of India's 76th Republic Day Parade held on January 26, 2025?

- Ans**
- ☐ 1. Har Ghar Tiranga: Unity in Diversity
 - ☐ 2. Digital Bharat: Future Forward
 - ☐ 3. Viksit Bharat: Innovation & Inclusion
 - ☒ 4. Swarnim Bharat: Virasat aur Vikas



Q.37 What is a notable characteristic of the carvings found at the entrances of the Sanchi Stupa?

- Ans**
- ☐ 1. Mauryan royal figures
 - ☒ 2. Jataka story narratives
 - ☐ 3. Buddha's post-enlightenment life
 - ☐ 4. Mythical creatures like yakshas and kinnaras

Q.38 In 2025, which two countries were involved in renewed tensions over the South China Sea, prompting international concern about maritime security?

- Ans**
- ☐ 1. India and Pakistan
 - ☐ 2. USA and Iran
 - ☒ 3. China and Philippines
 - ☐ 4. Russia and Ukraine

Q.39 सातवाहन साम्राज्य के दौरान, 'आहार' या 'राष्ट्र' शब्द किसको संदर्भित करते थे?

- Ans**
- ☐ 1. मंदिर भूमि
 - ☐ 2. कर अधिकारी
 - ☐ 3. राजधानी
 - ☒ 4. जिला

Q.40 Which government initiative primarily focuses on improving human development by ensuring healthcare and nutrition for women and children?

- Ans**
- ☐ 1. Digital India
 - ☐ 2. Beti Bachao, Beti Padhao
 - ☐ 3. Skill India Mission
 - ☒ 4. Poshan Abhiyaan

Section : Mathematics

Q.1 The angles of elevation of the top of a tower from two points X and Y (on opposite sides of the tower) at distances b^2 m and a^2 m, respectively, from the base and in the same straight line with it are complementary. The height (in m) of the tower is _____.

- Ans**
- ☐ 1. $\frac{1}{ab^2}$
 - ☐ 2. $(ab)^{\frac{1}{2}}$
 - ☐ 3. $\frac{1}{ba^2}$
 - ☒ 4. ab

Q.2 Find the value of $[954 \div \{30 + 9 \times (3 - 6)\}]$.

- Ans**
- ☐ 1. 319
 - ☒ 2. 318
 - ☐ 3. 313
 - ☐ 4. 321

Q.3 Prashant and Nisha have to travel from Delhi to Kanpur in their respective cars. Prashant is driving at 117 km/hr while Nisha is driving at 48 km/hr. Find the time taken by Nisha to reach Kanpur if Prashant takes 16 hours.

- Ans**
- ☒ 1. 39 hours
 - ☐ 2. 44 hours
 - ☐ 3. 45 hours
 - ☐ 4. 36 hours



Q.4 If the interest earned during the 2nd year on a certain sum is ₹2,352, and the rate of interest is 5% per annum compounded annually, then the sum is:

- Ans
- ☐ 1. ₹44,035
 - ☐ 2. ₹44,855
 - ☒ 3. ₹44,800
 - ☐ 4. ₹45,115

Q.5 The sides of a triangle are 82 cm, 18 cm, and 80 cm. What is its area? (in cm²)

- Ans
- ☐ 1. 670
 - ☐ 2. 712
 - ☐ 3. 731
 - ☒ 4. 720

Q.6 *By how much is 65% of 65 greater than $\frac{1}{5}$ of 15?*

- Ans
- ☐ 1. 36.25
 - ☐ 2. 37.25
 - ☐ 3. 33.25
 - ☒ 4. 39.25

Q.7 Jaya can do a certain piece of work in 30 days. Jaya and Sushma can together do the same work in 21 days, and Jaya, Sushma and Hina can do the same work together in 14 days. In how many days can Jaya and Hina do the same work together?

- Ans
- ☒ 1. $\frac{35}{2}$
 - ☐ 2. $\frac{31}{3}$
 - ☐ 3. $\frac{44}{2}$
 - ☐ 4. $\frac{27}{4}$

Q.8 An item marked at ₹5,000 is given at successive discounts of 10% and 5%. Find the final selling price.

- Ans
- ☐ 1. ₹4,320
 - ☐ 2. ₹4,250
 - ☒ 3. ₹4,275
 - ☐ 4. ₹4,350

Q.9 M and N start a business. M invests ₹46,000 more than N for 3 months and N invests for 4 months. M's share is ₹453 more than that of N, out of a total profit of ₹1,359. Find the capital contributed by M.

- Ans
- ☐ 1. ₹73,608
 - ☐ 2. ₹73,516
 - ☐ 3. ₹73,715
 - ☒ 4. ₹73,600



Q.10 Find the mean proportional between 24 and 150.

Ans ☒ 1. 60

☐ 2. 70

☐ 3. 40

☐ 4. 50

Q.11 Train A leaves station M at 8:25 AM and reaches station N at 3:25 PM on the same day. Train B leaves station N at 10:25 AM and reaches station M at 3:25 PM on the same day. Find the time when trains A and B meet.

Ans ☐ 1. 12:50 PM

☒ 2. 12:30 PM

☐ 3. 11:30 AM

☐ 4. 11:10 AM

Q.12 The number 327087 is divisible by which of the following?

Ans ☐ 1. 5

☐ 2. 8

☒ 3. 3

☐ 4. 12

Q.13 Find the greatest number that will divide 49, 97 and 189 so as to leave the same remainder in each case.

Ans ☐ 1. 5

☒ 2. 4

☐ 3. 7

☐ 4. 3

Q.14 Simplify: $3\left(\left(\frac{7}{3}\right)x^2 - 25x + 12\right) - 7(x^2 + 9x - 13)$.

Ans ☐ 1. $138x - 127$

☒ 2. $-138x + 127$

☐ 3. $138x + 127$

☐ 4. $-138x - 127$

Q.15 The selling price of 20 books is equal to the cost price of 5 books. Find the loss or gain percentage.

Ans ☐ 1. $\frac{100}{15}\%$ gain

☐ 2. $\frac{100}{15}\%$ loss

☐ 3. 75% gain

☒ 4. 75% loss



Q.16 A can do a work in 12 days and B can do the same work in 18 days. If they work on it together for 4 days, then what fraction of the work is left?

Ans

✓ 1. $\frac{4}{9}$

✗ 2. $\frac{11}{9}$

✗ 3. $\frac{14}{9}$

✗ 4. $\frac{13}{9}$

Q.17 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 19^\circ$ and $\angle BAC = 137^\circ$, then what is the measure of $\angle ACD$ (in degree)?

Ans

✗ 1. 120°

✗ 2. 128°

✓ 3. 132°

✗ 4. 131°

Q.18 If the 6-digit number N83M92 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

Ans

✗ 1. $M + N = -2$

✓ 2. $M - N = 2$

✗ 3. $M - N = 1$

✗ 4. $M = N$

Q.19 एक दुकानदार ₹3,500 में एक साइकिल खरीदता है और उसे 20% की छूट पर बेचता है, जिसमें कोई लाभ या हानि नहीं होती। साइकिल का अंकित मूल्य क्या है?

Ans

✗ 1. ₹3,475

✗ 2. ₹5,374

✗ 3. ₹7,343

✓ 4. ₹4,375

Q.20 The value of $10^2 + \sqrt{2^2} - 4\sqrt{25} - 3$ is

Ans

✗ 1. 69

✗ 2. 81

✓ 3. 79

✗ 4. 78

Q.21 Find the area of a triangle with base 12 cm and height 8 cm.

Ans

✗ 1. 72 cm^2

✗ 2. 60 cm^2

✓ 3. 48 cm^2

✗ 4. 96 cm^2

Q.22 3 वर्ष पहले, पिता की आयु उसके पुत्र की आयु के दोगुने से 24 वर्ष अधिक थी। अब से कितने वर्षों बाद, उसकी आयु उसके पुत्र की आयु की दोगुनी हो जाएगी?

Ans

✗ 1. 19

✗ 2. 23

✗ 3. 25

✓ 4. 21



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Q.23 The cost of 12 pens and 7 pencils is ₹285. If the cost of a pen decreases by ₹6 and the cost of a pencil increases by ₹5, then the cost of 11 pens and 3 pencils is ₹118. What is the original cost of 2 pens and 2 pencils?

- Ans**
- ☐ 1. ₹68
 - ☐ 2. ₹66
 - ☐ 3. ₹73
 - ☒ 4. ₹70

Q.24 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 9 months.

- Ans**
- ☐ 1. ₹56
 - ☐ 2. ₹432
 - ☒ 3. ₹36
 - ☐ 4. ₹72

Q.25 Nitin bought some pencils at the rate of ₹180 a dozen. He sold them for ₹17 each. His profit percentage is _____. (Round off to two decimal places.)

- Ans**
- ☐ 1. 11.33
 - ☐ 2. 17.33
 - ☐ 3. 15.33
 - ☒ 4. 13.33

Q.26 The sum of five numbers is 655. The average of the first two numbers is 80 and the third number is 109. Find the average of the remaining two numbers.

- Ans**
- ☐ 1. 190
 - ☐ 2. 194
 - ☒ 3. 193
 - ☐ 4. 189

Q.27 An amount of ₹658 is divided among three persons in the ratio of 18 : 12 : 2. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans**
- ☒ 1. 329
 - ☐ 2. 426
 - ☐ 3. 261
 - ☐ 4. 242

Q.28 The number 444348269 is divisible by which of the following?

- Ans**
- ☐ 1. 10
 - ☒ 2. 19
 - ☐ 3. 12
 - ☐ 4. 9

Q.29 The current population of a town is 14,680. It increases by 25% and 70% in two successive years but decreases by 20% in the third year. What is the population of the town at the end of the third year?

- Ans**
- ☒ 1. 24,956
 - ☐ 2. 24,960
 - ☐ 3. 24,953
 - ☐ 4. 24,958



Q.30 The average runs scored by a batsman in 23 matches is 42. In the next 10 matches, the batsman scored an average of 15 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

- Ans**
- ☒ 1. 32.82
 - ☒ 2. 34.82
 - ☒ 3. 33.82
 - ☒ 4. 35.82

Section : General Intelligence and Reasoning

Q.1 Each of the digits in the number 71642938 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ 1. None
 - ☒ 2. Two
 - ☒ 3. One
 - ☒ 4. Three

Q.2 A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits third to the right of E. F sits to the immediate left of B. C is the immediate neighbour of A and B. G is not the immediate neighbour of F. How many people sit between D and G when counted from the left of G?

- Ans**
- ☒ 1. Four
 - ☒ 2. Two
 - ☒ 3. Five
 - ☒ 4. Three

Q.3 What will come in place of the question mark (?) in the following equation, if '+' and 'x' are interchanged and '-' and '÷' are interchanged?

$$38 \div 7 + 5 \times 20 - 4 = ?$$

- Ans**
- ☒ 1. 22
 - ☒ 2. 27
 - ☒ 3. 8
 - ☒ 4. 15

Q.4 In a certain code language,
A + B means 'A is the daughter of B',
A – B means 'A is the wife of B',
A x B means 'A is the father of B' and
A ÷ B means 'A is the brother of B'.

How is A related to S if 'A + E – F x N ÷ S'?

- Ans**
- ☒ 1. Father's sister
 - ☒ 2. Mother's mother
 - ☒ 3. Father's mother
 - ☒ 4. Sister

Q.5 If 2 is added to each even digit and 2 is added to each odd digit in the number 7145362, what will be the sum of the last two and first two digits in the new number thus formed?

- Ans**
- ☒ 1. 25
 - ☒ 2. 24
 - ☒ 3. 26
 - ☒ 4. 27



Q.6 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All physicists are chemists.
No chemists are biologists.

Conclusions:

- I. No biologists are physicists.
II. Some biologists are physicists.

- Ans**  1. Only conclusion (II) follows.
 2. Neither conclusion (I) nor (II) follows.
 3. Only conclusion (I) follows.
 4. Both conclusions (I) and (II) follow.

Q.7 यदि '+' और '-' को परस्पर बदल दिया जाए, तथा '-' और 'x' को परस्पर बदल दिया जाए, तो निम्नलिखित समीकरण में प्रश्न चिह्न (?) के स्थान पर क्या आएगा?

$$21 \div 57 - 3 \times 8 + 4 = ?$$

- Ans**  1. 56
 2. 23
 3. 45
 4. 34

Q.8 In a certain code language, 'MADE' is coded as '4172' and 'HAME' is coded as '2475'. What is the code for 'H' in the given code language?

- Ans**  1. 7
 2. 4
 3. 5
 4. 2

Q.9 What should come in place of the question mark (?) in the given series?

27 35 51 75 107 ?

- Ans**  1. 125
 2. 147
 3. 148
 4. 174

Q.10 In a certain code language, 'ALPS' is coded as '3257' and 'PUNE' is coded as '1346'. What is the code for 'P' in the given code language?

- Ans**  1. 1
 2. 5
 3. 7
 4. 3



Q.11 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.
(Note: all numbers are single digit numbers only.)

(Left) 1 & 9 6 > 7 5 * 7 + 5 ^ 7 0 * 4 % \$ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☒ 1. Nine
 - ☒ 2. Six
 - ☒ 3. Eight
 - ☒ 4. Seven

Q.12 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept above A. Only one box is kept between F and A. Only three boxes are kept between F and E. E is kept at some place above A. B is kept immediately below E. G is kept at one of the places above D. C is not kept immediately above or below F. How many boxes are kept above B?

- Ans**
- ☒ 1. 4
 - ☒ 2. 1
 - ☒ 3. 3
 - ☒ 4. 2

Q.13 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LDH 14, NFJ 17, PHL 20, RJN 23, ?

- Ans**
- ☒ 1. TLP 26
 - ☒ 2. RTS 26
 - ☒ 3. RTQ 27
 - ☒ 4. TMQ 27

Q.14 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. MP-GK
 - ☒ 2. PS-JM
 - ☒ 3. JM-DH
 - ☒ 4. TW-NR

Q.15 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LIF 13, DAX 24, VSP 46, NKH 90, FCZ 178, ?

- Ans**
- ☒ 1. XUR 351
 - ☒ 2. XUR 354
 - ☒ 3. XUM 354
 - ☒ 4. UUR 354



Q.16 This question is based on the five, three-digit numbers given below.

(Left) 267 513 671 895 729 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If the digits of each number are added and their respective resultants are arranged in the ascending order, what is the number placed 4th from the right end?

- Ans**
- ☒ 1. 18
 - ☒ 2. 15
 - ☒ 3. 14
 - ☒ 4. 9

Q.17 RUTW is related to TWVY in a certain way based on the English alphabetical order. In the same way, MPOR is related to ORQT. To which of the given options is VYXA related, following the same logic?

- Ans**
- ☒ 1. XAZC
 - ☒ 2. XZCY
 - ☒ 3. XBYE
 - ☒ 4. XAYC

Q.18 Shyam starts from Point A and drives 12 km towards east. He then takes a right turn, drives 7 km, turns right and drives 5 km. He then takes a left turn and drives 9 km. He takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 19 km towards east
 - ☒ 2. 16 km towards north
 - ☒ 3. 19 km towards north
 - ☒ 4. 16 km towards south

Q.19 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept between G and A. Only F is kept above B. No box is kept below A. E is kept at some place below C but at some place above D. How many boxes are kept between D and F?

- Ans**
- ☒ 1. One
 - ☒ 2. Three
 - ☒ 3. Two
 - ☒ 4. Four

Q.20 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.
ACF : CEH
PET : RGV

- Ans**
- ☒ 1. XVN : ZXP
 - ☒ 2. WDX : ZFY
 - ☒ 3. QTP : SUW
 - ☒ 4. SAD : TBO

Q.21 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

HIVE - EHVI - HEIV
FANG - GFNA - FGAN

- Ans**
- ☒ 1. SORT - TSOR - ORTS
 - ☒ 2. MUSK - KMSU - MKUS
 - ☒ 3. TENS - ETNS - SENT
 - ☒ 4. RAIN - NRIA - RANI



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Q.22 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some birds are animals.
All animals are tables.

Conclusions:

(I): Some birds are tables.

(II): All tables are animals.

- Ans**
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☒ 2. Only conclusion (I) follows.
 - ☒ 3. Both conclusions (I) and (II) follow.
 - ☒ 4. Only conclusion (II) follows.

Q.23 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. LHK
 - ☒ 2. OKM
 - ☒ 3. UQT
 - ☒ 4. RNQ

Q.24 What should come in place of the question mark (?) in the given series?

36 51 45 64 54 77 63 90 72 ?

- Ans**
- ☒ 1. 110
 - ☒ 2. 113
 - ☒ 3. 103
 - ☒ 4. 106

Q.25 Babar starts from Point A and drives 14 km towards West. He then takes a left turn, drives 7 km, turns right and drives 9 km. He then takes a right turn and drives 7 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 20 km towards West
 - ☒ 2. 18 km towards East
 - ☒ 3. 18 km towards West
 - ☒ 4. 20 km towards North

Q.26 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. SO-ON
 - ☒ 2. AW-XT
 - ☒ 3. PL-MI
 - ☒ 4. TP-QM



Q.27 What should come in place of the question mark (?) in the given series?

102 108 120 138 162 ?

- Ans**
- ☐ 1. 204
 - ☐ 2. 212
 - ☐ 3. 230
 - ☒ 4. 192

Q.28 Seven boxes F, G, H, I, K, L and O are kept one over the other but not necessarily in the same order. O is kept second from the bottom. Only three boxes are kept between O and G. L is kept at one of the positions below O. Only I is kept between G and H. F is kept at one of the positions above G. How many boxes are kept between L and F?

- Ans**
- ☐ 1. Three
 - ☐ 2. One
 - ☐ 3. Four
 - ☒ 4. Five

Q.29 J, K, L, M, N, O and S are sitting around a circular table, facing the centre of the table. Only three people sit between O and J when counted from the left of O. Only three people sit between K and M when counted from the right of M. S sits to the immediate right of K. N is an immediate neighbour of M as well as J. Who sits second to the left of L?

- Ans**
- ☒ 1. N
 - ☐ 2. M
 - ☐ 3. J
 - ☐ 4. O

Q.30 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

227, 112
240, 125

- Ans**
- ☐ 1. 210, 85
 - ☐ 2. 254, 129
 - ☒ 3. 262, 147
 - ☐ 4. 215, 110





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	11/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 ভারতীয় নৌবাহিনীর কোন ব্যবহারের অনুপযোগী ঘোষিত জাহাজটিকে, 2025 সালে জলে নিচে নিমজ্জিত জাদুঘরে পরিণত করা হবে বলে ঘোষণা করা হয়েছিল?

- Ans
- ☒ 1. INS বিখাখাপতনম
 - ☒ 2. INS নীলগিরি
 - ☒ 3. INS কালভারী
 - ☒ 4. INS গুলদার

Q.2 নিচের কোনটি ভারতের একটি উপজাতীয় নৃত্য?

- Ans
- ☒ 1. গুসাডি (Ghusadi)
 - ☒ 2. লাবণী (Lavani)
 - ☒ 3. ভাঙরা (Bhangra)
 - ☒ 4. কথক (Kathak)

Q.3 ভারতের মণিপুরে লাই হারাওবা নৃত্য পরিবেশনকারী নির্দিষ্ট মহিলা ভক্তদের বোঝাতে নিচের কোন শব্দটি ব্যবহার করা হয়?

- Ans
- ☒ 1. জোগিন
 - ☒ 2. মাইবা
 - ☒ 3. মাইবি
 - ☒ 4. পুজারিন

Q.4 গ্রীষ্মের মাসগুলিতে উত্তর-পশ্চিম ভারতের কোন প্রাকৃতিক গঠনটি নিম্নচাপ বলয়ের সূচনা করে?

- Ans
- ☒ 1. থর মরুভূমি
 - ☒ 2. গঙ্গা অববাহিকা
 - ☒ 3. আরাবল্লি পাহাড়
 - ☒ 4. সাতপুরা পর্বতমালা

Q.5 জেনেভা ভিত্তিক স্বাস্থ্য, বাণিজ্য এবং মেধা সর্বস্ব (IP) কূটনীতিবিদদের জন্য 2025 এর 26 ফেব্রুয়ারি কোন তিনটি আন্তর্জাতিক সংস্থা যৌথভাবে একটি ত্রিপক্ষীয় সহযোগিতা ব্রিফিংয়ের আয়োজন করেছিল?

- Ans
- ☒ 1. WHO, UNESCO এবং WTO
 - ☒ 2. WHO, IMF এবং UNDP
 - ☒ 3. WHO, WIPO এবং WTO
 - ☒ 4. WHO, WIPO এবং UNIC



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Q.6 24টি রাজ্য/কেন্দ্রশাসিত অঞ্চলের 131টি শহরে (নন-অ্যাটেইনমেন্ট শহর এবং মিলিয়ন প্লাস শহর) বায়ুর গুণমান উন্নত করতে 2019 সালে পরিবেশ, বন ও জলবায়ু পরিবর্তন মন্ত্রক (MoEF&CC) নিম্নলিখিত প্রোগ্রামগুলির মধ্যে কোনটি চালু করেছিল?

- Ans
- ☒ 1. স্বচ্ছ বায়ু সর্বেক্ষণ
 - ☒ 2. ন্যাশনাল অ্যাসোসিয়েশন অফ ক্লিন এয়ার এজেন্সিজ
 - ☒ 3. এয়ার কোয়ালিটি ফোরকাস্টিং সিস্টেম
 - ☒ 4. ন্যাশনাল ক্লিন এয়ার প্রোগ্রাম

Q.7 MS উইন্ডোজ ডেস্কটপ ইন্টারফেসে কোন বিকল্পটিকে ডিরেক্ট ডিজিটাল এলিমেন্টের পরিবর্তে মূলত একটি সিস্টেম কনফিগারেশন টুল হিসাবে ব্যবহার করা হয়?

- Ans
- ☒ 1. রিসাইকেল বিন
 - ☒ 2. স্টার্ট মেনু
 - ☒ 3. কন্ট্রোল প্যানেল
 - ☒ 4. টাস্কবার

Q.8 2025 সালে থাইল্যান্ডের সঙ্গে সীমান্ত বিরোধ নিষ্পত্তির জন্য কম্বোডিয়া, কোন আন্তর্জাতিক সংস্থার কাছে আবেদন করেছিল?

- Ans
- ☒ 1. বিশ্ব বাণিজ্য সংস্থা
 - ☒ 2. ASEAN রিজিওনাল ফোরাম
 - ☒ 3. ইন্টারন্যাশনাল কোর্ট অফ জাস্টিস
 - ☒ 4. জাতিসংঘের নিরাপত্তা পরিষদ

Q.9 2013 সালে Ikea, তার ₹10,500 কোটি FDI প্রস্তাবের জন্য সরকারী অনুমোদন পেয়েছিল যাতে 10 বছর ধরে সংযুক্ত পরিকাঠামো সহ 10টি স্টোর স্থাপন করতে পারে। এটি হল একটি _____।

- Ans
- ☒ 1. জার্মান কোম্পানি
 - ☒ 2. আমেরিকান কোম্পানি
 - ☒ 3. সুইডিশ কোম্পানি
 - ☒ 4. চীনা কোম্পানি

Q.10 2025 সালের জানুয়ারিতে কোন ভারতীয় সংস্থা, ডিজিটাল বাস্তবত্বের উপর আলোকপাত করে 19তম ইন্ডিয়া ডিজিটাল শীর্ষ সম্মেলনের আয়োজন করেছিল?

- Ans
- ☒ 1. ন্যাশনাল অ্যাসোসিয়েশন অফ সফটওয়্যার অ্যান্ড সার্ভিস কোম্পানিজ (NASSCOM)
 - ☒ 2. টেলিকম রেগুলেটরি অথরিটি অফ ইন্ডিয়া (TRAI)
 - ☒ 3. কনফেডারেশন অফ ইন্ডিয়ান ইন্ডাস্ট্রি (CII)
 - ☒ 4. ইন্টারনেট অ্যান্ড মোবাইল অ্যাসোসিয়েশন অফ ইন্ডিয়া (IAMAI)

Q.11 2025 সালের 7 মে, জরুরীকালীন প্রস্তুতি (emergency preparedness) বাড়াতে দেশব্যাপী কতগুলি জেলায় ভারত সিভিল ডিফেন্স মক ড্রিল পরিচালনা করে?

- Ans
- ☒ 1. 290
 - ☒ 2. 244
 - ☒ 3. 200
 - ☒ 4. 150

Q.12 2025 সালে চালু হওয়া নৌবাহিনীর জাহাজ 'তবাস্যা' (Tavasya) কে কোন শ্রেণির অন্তর্ভুক্ত করা হয়েছে?

- Ans
- ☒ 1. ব্যালিস্টিক সাবমেরিন
 - ☒ 2. সার্বভৌম জাহাজ
 - ☒ 3. স্টিলথ ফ্রিগেট
 - ☒ 4. কর্ভেট



Q.13 অনুচ্ছেদ 243F অনুসারে পঞ্চায়েত নির্বাচনে প্রতিদ্বন্দ্বিতা করার জন্য সর্বনিম্ন বয়স কত?

- Ans
- ☐ 1. 25 বছর
 - ☐ 2. 18 বছর
 - ☐ 3. 30 বছর
 - ☒ 4. 21 বছর

Q.14 ভারতের রাজস্ব একত্রীকরণ কৌশলের অংশ হল প্রত্যক্ষ কর সংস্কার। উদারীকরণ-পরবর্তী ভারতে কোন কমিটি প্রত্যক্ষ কর সরলীকরণের সুপারিশ করেছিল?

- Ans
- ☐ 1. নরসিংহম কমিটি
 - ☐ 2. তারাপোর কমিটি
 - ☒ 3. কেলকার কমিটি
 - ☐ 4. দত্ত কমিটি

Q.15 ইরাণ পাথরের শিলালিপিতে বলা হয়েছে যে সমুদ্রগুপ্তকে তাঁর _____ এর কারণে তাঁর পিতা রাজা হিসাবে বেছে নিয়েছিলেন।

- Ans
- ☐ 1. সম্পদ এবং জনপ্রিয়তা
 - ☐ 2. বয়স এবং জন্মগত অধিকার
 - ☒ 3. ভক্তি, ধার্মিক আচরণ এবং বীরত্ব
 - ☐ 4. অন্যান্য রাজাদের কাছ থেকে সমর্থন

Q.16 NITI আয়োগ কর্তৃক প্রকাশিত আর্থিক স্বাস্থ্য সূচক 2025 এ কোন ভারতীয় রাজ্য শীর্ষ স্থানে রয়েছে?

- Ans
- ☐ 1. গুজরাট
 - ☐ 2. কর্ণাটক
 - ☒ 3. ওড়িশা
 - ☐ 4. মহারাষ্ট্র

Q.17 কোন আইনটি প্রথমবারের জন্য ভারতীয় সদস্যদের বিধান পরিষদে বাজেট বিষয়ে আলোচনা করার অনুমতি দেয়?

- Ans
- ☐ 1. ইন্ডিয়ান কাউন্সিল অ্যাক্ট, 1861
 - ☒ 2. ইন্ডিয়ান কাউন্সিল অ্যাক্ট, 1892
 - ☐ 3. গভর্নমেন্ট অফ ইন্ডিয়া অ্যাক্ট, 1858
 - ☐ 4. ইন্ডিয়ান কাউন্সিল অ্যাক্ট, 1909

Q.18 ভারতে জাতীয় শিক্ষা এবং সমাজ সংস্কারের প্রচারের জন্য সার্ভেন্টস অফ ইন্ডিয়া সোসাইটি কে প্রতিষ্ঠা করেছিলেন?

- Ans
- ☐ 1. এস এন ব্যানার্জি
 - ☐ 2. বাল গঙ্গাধর তিলক
 - ☒ 3. গোপাল কৃষ্ণ গোখলে
 - ☐ 4. বিপিন চন্দ্র পাল

Q.19 নিচের কোনটি আলাউদ্দিন খলজির রাজত্বকালে সামরিক বিভাগ ছিল?

- Ans
- ☐ 1. দিওয়ান-ই-ইনশা
 - ☒ 2. দিওয়ান-ই-আরজ
 - ☐ 3. দিওয়ান-ই-উইজারাত
 - ☐ 4. দিওয়ান-ই-রিসালাত



Q.20 কত সালে ভারতের তৃতীয় প্রেসিডেন্সি ব্যাঙ্ক হিসেবে ব্যাঙ্ক অফ মাদ্রাজ প্রতিষ্ঠিত হয়?

Ans ☒ 1. 1843

☐ 2. 1857

☐ 3. 1863

☐ 4. 1840

Q.21 2025 সালে 7 ম খেলো ইন্ডিয়া ইয়ুথ গেমস কোন রাজ্যে অনুষ্ঠিত হয়েছিল?

Ans ☐ 1. মহারাষ্ট্র

☒ 2. বিহার

☐ 3. হরিয়ানা

☐ 4. গুজরাট

Q.22 অ্যামিলোপেকটিন হল একটি শাখা-শৃঙ্খল পলিস্যাকারাইড যা মূলত _____ দ্বারা সংযুক্ত গ্লুকোজ ইউনিট দ্বারা গঠিত।

Ans ☒ 1. α -1,4-গ্লাইকোসিডিক বন্ধন

☐ 2. β -1,4-গ্লাইকোসিডিক বন্ধন

☐ 3. β -1,6-গ্লাইকোসিডিক বন্ধন

☐ 4. α -1,2-গ্লাইকোসিডিক বন্ধন

Q.23 What does UDAY stand for in the context of power distribution companies?

Ans ☐ 1. Uninterrupted Domestic Assurance Yojana

☐ 2. Utility Development and Assistance Yojana

☒ 3. Ujwal DISCOM Assurance Yojana

☐ 4. Urban Distribution Action Yojana

Q.24 C-295 বিমান তৈরির জন্য 2024 সালের অক্টোবরে উদ্বোধন করা টাটা এয়ারক্রাফ্ট কমপ্লেক্স কোথায় অবস্থিত?

Ans ☐ 1. চেন্নাই

☐ 2. হায়দ্রাবাদ

☒ 3. ভাদোদরা

☐ 4. পুনে

Q.25 ভারতীয় সংবিধানের কোন ভাগে কেন্দ্র ও রাজ্যের মধ্যকার অর্থনৈতিক সম্পর্ক বিষয়ে উল্লেখ রয়েছে?

Ans ☐ 1. ভাগ X

☐ 2. ভাগ XI

☐ 3. ভাগ XIII

☒ 4. ভাগ XII

Q.26 এপ্রিল 2025 অনুসারে নিকেল খনির প্রতিবাদ এবং স্বাধীনতা বিতর্কের জন্য শিরোনামে থাকা নিউ ক্যালিডোনিয়া কোন দেশের একটি অঞ্চল?

Ans ☐ 1. অস্ট্রেলিয়া

☐ 2. নিউজিল্যান্ড

☐ 3. যুক্তরাজ্য

☒ 4. ফ্রান্স



Q.27 1990 সালে ভারতে প্রত্যাশিত আয়ুষ্কাল 58.6 বছর ছিল যা 2023 সালে বৃদ্ধি পেয়ে _____ হয়েছে এবং এই সূচকের শুরুর সময় থেকে সর্বোচ্চ রেকর্ড করেছে।

- Ans
- ✓ 1. 72 বছর
 - ✗ 2. 70 বছর
 - ✗ 3. 65 বছর
 - ✗ 4. 75 বছর

Q.28 সংক্ষিপ্ত রূপ, পূর্ণ রূপ এবং তার প্রাথমিক ফাংশন বিশিষ্ট কোন বিকল্পটি ঠিক?

- Ans
- ✓ 1. LAN – লোকাল এরিয়া নেটওয়ার্ক – সীমিত এলাকার মধ্যে কম্পিউটারগুলিকে কানেক্ট করে
 - ✗ 2. CD – সেন্ট্রাল ডিস্ক – অপারেটিং সিস্টেম স্থায়ীভাবে স্টোর করে
 - ✗ 3. ASCII –আমেরিকান স্ট্যান্ডার্ড কমিউনিকেশন ফর ইনপুট অ্যান্ড ইন্টারফেস – গ্রাফিক ডিজাইনের জন্য ব্যবহৃত
 - ✗ 4. ASCII – অ্যাডভান্সড সিস্টেম ফর কমিউনিকেশন ইন্টারফেস – LAN সেটআপে ব্যবহৃত হয়

Q.29 2023 সালের মার্চ মাসে চালু হওয়া ভারতের 'ভারত 6G ভিশন'-এর প্রাথমিক উদ্দেশ্য কী?

- Ans
- ✗ 1. উন্নত দেশগুলি থেকে 6G পরিকাঠামো আমদানি করা
 - ✓ 2. 2030 সালের মধ্যে ভারতকে 6G প্রযুক্তিতে একটি নেতৃস্থানীয় হিসাবে প্রতিষ্ঠিত করা
 - ✗ 3. শুধুমাত্র শহুরে এলাকায় 6G পরিষেবার বাণিজ্যিকীকরণ করা
 - ✗ 4. 2025 সালের মধ্যে 5G প্রযুক্তিকে প্রতিস্থাপন করা

Q.30 সমবায় সমিতিগুলির উন্নয়নের জন্য, সংবিধানের কোন ভাগটিকে 97 তম সংশোধনীর মাধ্যমে সংশোধন করা হয়েছিল?

- Ans
- ✓ 1. ভাগ IXB
 - ✗ 2. ভাগ XII
 - ✗ 3. ভাগ XI
 - ✗ 4. ভাগ IXA

Q.31 Which disease is caused by the accumulation of lipids in brain cells due to the deficiency or inactivation of lipid digesting enzymes?

- Ans
- ✓ 1. Tay-Sachs disease
 - ✗ 2. Huntington's disease
 - ✗ 3. Parkinson's disease
 - ✗ 4. Alzheimer's disease

Q.32 2025 সালের এপ্রিলে প্রকাশিত 'এ আই অন ট্রায়াল' (AI on Trial) বইটি কার লেখা?

- Ans
- ✗ 1. হিমাংশু রায়
 - ✓ 2. সুজিত কুমার ও তৌসিফ আলম
 - ✗ 3. মনোহর লাল খট্টর ও হিমাংশু ধুলিয়া
 - ✗ 4. বান্দারু দত্তাশ্রয়

Q.33 What was the main belief of the moderate Congress leaders regarding the British rule in India?

- Ans
- ✗ 1. Violent uprising
 - ✓ 2. Support for British
 - ✗ 3. Immediate independence
 - ✗ 4. Gradual political freedom



Q.34 কোন সংশোধনীর মাধ্যমে 'সমাজতান্ত্রিক' এবং 'ধর্মনিরপেক্ষ' শব্দগুলি প্রস্তাবনায় যুক্ত করা হয়েছিল?

- Ans
- ☒ 1. 24তম
 - ☒ 2. 42তম
 - ☒ 3. 44তম
 - ☒ 4. 39তম

Q.35 কয়লা মন্ত্রকের তথ্য অনুসারে 2023-24 অর্থবর্ষে ভারতের কোন রাজ্যে কয়লা ভাণ্ডারে মজুদের পরিমাণ সর্বাধিক ছিল?

- Ans
- ☒ 1. ঝাড়খণ্ড
 - ☒ 2. তেলেঙ্গানা
 - ☒ 3. মধ্যপ্রদেশ
 - ☒ 4. ওড়িশা

Q.36 আন্দামান ও নিকোবর দ্বীপপুঞ্জের তুলনায় লাক্ষাদ্বীপপুঞ্জের জীববৈচিত্র্য কম কেন?

- Ans
- ☒ 1. ক্ষুদ্রতর ভূখণ্ড এলাকা এবং অরণ্যঞ্চলের অভাব
 - ☒ 2. অগ্ন্যুৎপাত এবং অনুর্বর মাটি
 - ☒ 3. মানব জনঘনত্বের আধিক্য
 - ☒ 4. অধিক উচ্চতা এবং শীতল তাপমাত্রা

Q.37 নিম্নলিখিত কোন ভারতীয় রাজ্যের সঙ্গে নেপাল তার সীমান্ত ভাগ করে?

- Ans
- ☒ 1. বিহার
 - ☒ 2. হিমাচল প্রদেশ
 - ☒ 3. ওড়িশা
 - ☒ 4. মেঘালয়

Q.38 কোন সাধারণ আণবিক গঠন ডায়াজোনিয়াম যৌগ বা ডায়াজোনিয়াম লবণ নামে পরিচিত জৈব যৌগের শ্রেণীকে চিহ্নিত করে?

- Ans
- ☒ 1. $R-C\equiv N$
 - ☒ 2. $R-N_2^+ X^-$
 - ☒ 3. $R_2C=NR'$
 - ☒ 4. $R-CO-NR'R''$

Q.39 2025 সালের জুন মাসে, কোন ঘটনাটি ইজরায়েল-ইরান সংঘাতকে আরও তীব্র করে তুলেছিল?

- Ans
- ☒ 1. ইরানের পারমাণবিক কেন্দ্রগুলিতে প্রথমে ইজরায়েলের হামলা
 - ☒ 2. তেল আভিভে ইরানের মিসাইল হামলা
 - ☒ 3. জয়েন্ট কম্প্রিহেনসিভ প্ল্যান অফ অ্যাকশন (JCPoA) ভেঙে ফেলা
 - ☒ 4. একজন ইরানি জেনারেলকে হত্যা

Q.40 1857 সালের বিদ্রোহ ভারতীয় সমাজে কোন নেতিবাচক পরিণতি সৃষ্টি করেছিল?

- Ans
- ☒ 1. হিন্দু ও মুসলিম সম্প্রদায়ের মধ্যে অবিশ্বাস তৈরি হয়েছিল
 - ☒ 2. ভারতীয় হস্তশিল্পের অবক্ষয় ঘটেছিল
 - ☒ 3. উপজাতীয় ও কৃষকদের আন্দোলন দুর্বল হয়ে পড়েছিল
 - ☒ 4. ভারতীয় ভাষা ও সংস্কৃতির অবক্ষয় ঘটেছিল



Q.1 2টি কলম এবং 19টি পেন্সিলের মূল্য ₹118 হয়। যদি একটি কলমের মূল্য ₹5 কমে যায় এবং একটি পেন্সিলের মূল্য ₹4 বৃদ্ধি পায়, তবে 5টি কলম এবং 8টি পেন্সিলের মূল্য ₹144 হয়। তবে 14টি কলম এবং 6টি পেন্সিলের প্রকৃত মূল্য কত?

- Ans ☒ 1. ₹318
☐ 2. ₹314
☐ 3. ₹319
☐ 4. ₹321

Q.2 দুটি সংখ্যার গসাণ্ড এবং লসাণ্ড যথাক্রমে 91 এবং 546 হয়। যদি একটি সংখ্যা 182 হয়, তাহলে অন্য সংখ্যাটি নির্ণয় করুন।

- Ans ☒ 1. 273
☐ 2. 91
☐ 3. 364
☐ 4. 182

Q.3 একটি সংখ্যাকে 60% বৃদ্ধি করা হলে, তা 3550 হয়। সংখ্যাটি কত?

- Ans ☒ 1. 2218.75
☐ 2. 6656.25
☐ 3. 4437.5
☐ 4. 1109.375

Q.4 একজন প্রতারক ব্যবসায়ী 39% লাভে চাল বিক্রির কথা বলে বিক্রির সময় উল্লিখিত মানের চেয়ে 17% কম ভর বিশিষ্ট বাটখারা ব্যবহার করেন। ব্যবসায়ীর মোট কত শতাংশ লাভ হয়েছে? (নিকটতম পূর্ণ সংখ্যার আসন্নমানে)

- Ans ☐ 1. 66%
☐ 2. 72%
☒ 3. 67%
☐ 4. 69%

Q.5 $\sqrt{400} + \sqrt{0.0225} - \sqrt{9}$ এর মান কত?

- Ans ☐ 1. 1.54
☐ 2. 14.54
☐ 3. 12.19
☒ 4. 17.15

Q.6 কোন বৃহত্তম সংখ্যা দ্বারা 527 এবং 632 কে ভাগ করলে যথাক্রমে 7 এবং 8 ভাগশেষ থাকবে?

- Ans ☐ 1. 102
☒ 2. 104
☐ 3. 112
☐ 4. 98

Q.7 ₹74,000 কে A, B এবং C এর মধ্যে এমনভাবে ভাগ করা হয়েছে, যাতে A এর 9 গুণ = B এর 3 গুণ = C এর 7 গুণ হয়। তাহলে A এর প্রাপ্ত ভাগ কত?

- Ans ☐ 1. ₹14,194
☐ 2. ₹13,816
☒ 3. ₹14,000
☐ 4. ₹13,865



Q.8 সরল করুন।
 $x(6x - 3) + 5(x^2 - 4) + 18$

- Ans
- ☒ 1. $-11x^2 - 3x + 2$
 - ☒ 2. $11x^2 - 3x - 2$
 - ☒ 3. $11x^2 - 3x + 2$
 - ☒ 4. $-11x^2 - 3x - 2$

Q.9 466 এবং 476 এর মধ্যে কতগুলি মৌলিক সংখ্যা আছে (উভয় সংখ্যা অন্তর্ভুক্ত)?

- Ans
- ☒ 1. 1
 - ☒ 2. 2
 - ☒ 3. 3
 - ☒ 4. 5

Q.10 79টি প্লেট ₹79 এ কেনা হয়েছিল এবং 13টি প্লেট পরিবহনের সময় ভেঙে গেছে। ব্যবসায়ী বাকি প্লেটগুলি প্রত্যেকটি ₹5.90 দরে বিক্রি করে। তাহলে, ব্যবসায়ীর লাভ নির্ণয় করুন।

- Ans
- ☒ 1. ₹314.90
 - ☒ 2. ₹305.40
 - ☒ 3. ₹316.40
 - ☒ 4. ₹310.40

Q.11 একজন মহিলা 47 km/hr গতিবেগে 282 km দূরত্ব, 20 km/hr গতিবেগে পরবর্তী 120 km দূরত্ব এবং 62 km/hr গতিবেগে পরবর্তী 496 km দূরত্ব অতিক্রম করেন। পুরো যাত্রায় তার গড় গতিবেগ (km/hr এ) কত?

- Ans
- ☒ 1. 52.2
 - ☒ 2. 44.9
 - ☒ 3. 53.6
 - ☒ 4. 46.7

Q.12 30 cm ব্যাস বিশিষ্ট একটি গোলকের আয়তন নির্ণয় করুন। ($\pi = \frac{22}{7}$ ধরুন)

- Ans
- ☒ 1. 14,130 cm³
 - ☒ 2. 14,230 cm³
 - ☒ 3. 15,230 cm³
 - ☒ 4. 15,130 cm³

Q.13 ABCD হল এমন একটি ট্রাপিজিয়াম যেখানে $BC \parallel AD$ এবং $AC = CD$ হয়। যদি $\angle ABC = 54^\circ$ এবং $\angle BAC = 60^\circ$ হয়, তাহলে $\angle ACD$ এর পরিমাপ (ডিগ্রিতে) কত?

- Ans
- ☒ 1. 184
 - ☒ 2. 48
 - ☒ 3. 171
 - ☒ 4. 181



Q.14 কোন সংখ্যাটি দ্বারা 740705 বিভাজ্য হবে?

- Ans
- ☒ 1. 12
 - ☒ 2. 4
 - ☒ 3. 5
 - ☒ 4. 9

Q.15 রিতু, সমীর এবং ইশা যথাক্রমে ₹1,350, ₹1,470 এবং ₹1,380 বিনিয়োগ করে একটি ব্যবসা শুরু করে। বছর শেষে মোট ₹1,330 লাভ হলে, প্রাপ্ত লাভে ইশার শেয়ার কত হবে?

- Ans
- ☒ 1. ₹439
 - ☒ 2. ₹435
 - ☒ 3. ₹437
 - ☒ 4. ₹438

Q.16 23 টি ম্যাচে একজন ব্যাটসম্যানের গড় রান 41 এবং পরবর্তী 10 টি ম্যাচে তিনি গড়ে 14 রান করেছেন। মোট 33 টি ম্যাচে তার গড় রান (দুই দশমিক স্থান পর্যন্ত আসন্নমান) কত?

- Ans
- ☒ 1. 34.82
 - ☒ 2. 33.82
 - ☒ 3. 31.82
 - ☒ 4. 32.82

Q.17 মাসিক 4% সুদের হারে ₹1,200 অর্থরাশির 3 মাসের সরল সুদ (হতে) কত হবে?

- Ans
- ☒ 1. ₹12
 - ☒ 2. ₹32
 - ☒ 3. ₹24
 - ☒ 4. ₹144

Q.18 প্রথম সংখ্যার 39% যদি দ্বিতীয় সংখ্যার আট-নবমাংশের সমান হয়, তাহলে প্রথম সংখ্যা এবং দ্বিতীয় সংখ্যার অনুপাত কত?

- Ans
- ☒ 1. 805 : 353
 - ☒ 2. 800 : 351
 - ☒ 3. 804 : 348
 - ☒ 4. 796 : 347

Q.19 একটি বাড়ির ছাদে একটি পতাকা-দণ্ড লাগানো হয়েছে। বাড়িটির পাদদেশ থেকে 30 m দূরে অবস্থিত একটি স্থান থেকে ওই পতাকা-দণ্ডের শীর্ষদেশের উন্নতিকোণ 60° এবং বাড়ির ছাদের উন্নতিকোণ 30° হলে, ওই পতাকা-দণ্ডের উচ্চতা কত মিটার?

- Ans
- ☒ 1. $60\sqrt{3}$
 - ☒ 2. $20\sqrt{3}$
 - ☒ 3. $40\sqrt{3}$
 - ☒ 4. $30\sqrt{3}$

Q.20 মান নির্ণয় করুন।
 $16 + 12 \div 6 - 2 \times 4$

- Ans
- ☒ 1. 9
 - ☒ 2. 13
 - ☒ 3. 12
 - ☒ 4. 10



Q.21 একটি শার্টের মুদ্রিত মূল্য ₹800 এবং এটি 25% ছাড়ে বিক্রি করা হয়। শার্টের বিক্রয়মূল্য নির্ণয় করুন।

- Ans
- ☒ 1. ₹680
 - ☒ 2. ₹600
 - ☒ 3. ₹640
 - ☒ 4. ₹620

Q.22 A একটি কাজ 13 দিনে করতে পারে এবং B একই কাজ 24 দিনে করতে পারে। যদি তারা একসঙ্গে 5 দিন কাজ করে, তাহলে কাজের কত অংশ অবশিষ্ট থাকবে?

- Ans
- ☒ 1. $\frac{133}{312}$
 - ☒ 2. $\frac{129}{312}$
 - ☒ 3. $\frac{127}{312}$
 - ☒ 4. $\frac{137}{312}$

Q.23 ₹10,000 মূল্য বিশিষ্ট একটি পণ্যের উপর একজন পাইকারী বিক্রেতা 20% ট্রেড ছাড় অফার করে। ছাড়কৃত মূল্যে, 10% স্কিম ছাড় দেওয়া হয়। যাইহোক, যদি গ্রাহক নগদে অর্থ প্রদান করেন, উভয় ছাড়ের পরে চূড়ান্ত মূল্যে অতিরিক্ত 5% ছাড় দেওয়া হয়। গ্রাহককে চূড়ান্ত দাম হিসেবে কত দিতে হবে?

- Ans
- ☒ 1. ₹6,800
 - ☒ 2. ₹7,000
 - ☒ 3. ₹6,940
 - ☒ 4. ₹6,840

Q.24 একটি জেলায় 359000 জন মানুষ আছেন যার মধ্যে 179000 জন পুরুষ। যদি মোট জনসংখ্যার 22% সাক্ষর হয় এবং পুরুষদের 22% সাক্ষর হয়, তাহলে মহিলাদের শতকরা সাক্ষরতার হার কত?

- Ans
- ☒ 1. 19%
 - ☒ 2. 24%
 - ☒ 3. 22%
 - ☒ 4. 20%

Q.25 249 m এবং 217 m মাত্রাবিশিষ্ট একটি আয়তক্ষেত্রের ভিতরে আঁকা যেতে পারে এমন সর্ববৃহৎ বৃত্তের পরিধি (m এ) নির্ণয় করুন।

$$\left(\pi = \frac{22}{7} \right)$$

- Ans
- ☒ 1. 679
 - ☒ 2. 676
 - ☒ 3. 682
 - ☒ 4. 690

Q.26 Pipe P can fill $\frac{3}{4}$ part of a tank in 15 hours, and pipe Q can fill $\frac{5}{6}$ part of the same tank in 25 hours.

Both P and Q were kept open for 2 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 5 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans
- ☒ 1. 17 hours
 - ☒ 2. 22 hours
 - ☒ 3. 31 hours
 - ☒ 4. 20 hours



Q.27 পুত্রের বয়সের 5 গুণ, তার পিতার বয়সের সঙ্গে যোগ করা হলে যোগফল হয় 79 বছর। পিতার বয়সের 2.5 গুণ, পুত্রের বয়সের সঙ্গে যোগ করা হলে যোগফল হয় 94 বছর। তাহলে, পিতার বয়স (বছরে) কত?

- Ans ☒ 1. 34
☐ 2. 37
☐ 3. 38
☐ 4. 30

Q.28 তিনটি আসবাবের গড় মূল্য ₹15,990 এবং তাদের মূল্যের অনুপাত 3 : 5 : 7 হলে সবচেয়ে সস্তা আসবাবটির মূল্য (₹ তে) কত?

- Ans ☐ 1. 7,462
☒ 2. 9,594
☐ 3. 3,198
☐ 4. 1,066

Q.29 বার্ষিক 7.7% সুদের হারে, একটি নির্দিষ্ট অর্থরাশির $2\frac{6}{7}$ বছরের সরল সুদের পরিমাণ ₹1,188 হয়।

বার্ষিক 8.5% সরল সুদের হারে, ওই অর্থরাশির জন্য $4\frac{5}{9}$ বছরে সুদে আসলে কত অর্থ পরিশোধ করতে হবে?

- Ans ☒ 1. ₹7,491
☐ 2. ₹7,489
☐ 3. ₹7,484
☐ 4. ₹7,504

Q.30 একজন ব্যক্তি 42 km/h গতিবেগে গাড়ি চালিয়ে 5.4 মিনিটে একটি সেতু অতিক্রম করেন। সেতুটির দৈর্ঘ্য কত?

- Ans ☐ 1. 3.51 km
☐ 2. 3.42 km
☐ 3. 4.38 km
☒ 4. 3.78 km

Section : General Intelligence and Reasoning

Q.1 যদি 'A' এর অর্থ '+' হয়, 'B' এর অর্থ 'x' হয়, 'C' এর অর্থ '÷' হয় এবং 'D' এর অর্থ '-' হয়, তাহলে প্রদত্ত সমীকরণে প্রশ্নবোধক চিহ্নটির (?) স্থানে কী বসবে?

9 B 5 D 12 A 2 C 11 = ?

- Ans ☒ 1. 50
☐ 2. 43
☐ 3. 32
☐ 4. 38

Q.2 ইংরেজি বর্ণানুক্রম অনুসারে প্রদত্ত ক্রমের প্রশ্নবোধক চিহ্নটির (?) স্থানে কী বসবে?

XZR UWQ RTL OQI ?

- Ans ☐ 1. LNE
☐ 2. LME
☒ 3. LNF
☐ 4. LMF



Q.3 রাজেশ তার ক্লাসে প্রথমদিক থেকে 25 তম এবং শেষদিক থেকে 35 তম স্থান অধিকার করেছে। তার ক্লাসে কতজন শিক্ষার্থী আছে?

- Ans ☒ 1. 59
☐ 2. 58
☐ 3. 57
☐ 4. 60

Q.4 ইংরেজি বর্ণানুক্রম অনুসারে প্রদত্ত ক্রমের প্রদত্ত বোধক চিহ্নটির (?) স্থানে কী বসবে?

EHR LOY SVF ZCM ?

- Ans ☒ 1. GJT
☐ 2. GRF
☐ 3. GTJ
☐ 4. GFR

Q.5 নিচের ত্রয়ীগুলির প্রতিটি বর্ণগুচ্ছ একটি নির্দিষ্ট যুক্তি অনুসরণ করে পরবর্তী বর্ণগুচ্ছের সঙ্গে সম্পর্কিত। প্রদত্ত বিকল্পগুলি থেকে অনুরূপ যুক্তি অনুসরণকারী ত্রয়ীটি চয়ন করুন।

SKIP - KSPI - PIKS
MEND - EMDN - DNEM

- Ans ☒ 1. KITE - IKET - ETIK
☐ 2. PLUM - PULM - MULP
☐ 3. FOIL - LIFO - FOLI
☐ 4. HEAL - AHEL - LAEH

Q.6 প্রদত্ত ক্রমের প্রদত্ত বোধক চিহ্নটির (?) স্থানে কোন সংখ্যাটি বসবে?

13 31 40 76 94 148 ?

- Ans ☐ 1. 157
☐ 2. 202
☒ 3. 175
☐ 4. 220

Q.7 সাতজন ব্যক্তি L, M, N, O, P, Q এবং R উত্তর দিকে মুখ করে একটি সারিতে বসে আছে। N এর ডানদিকে মাত্র দুজন বসে আছে। N এবং R এর মাঝে মাত্র দুজন বসে আছে। L এবং Q এর মাঝে মাত্র দুজন বসে আছে। Q বসে আছে N এর ঠিক বাম দিকে। O বসে আছে P এর ঠিক ডান দিকে।

সারির বামপ্রান্ত থেকে তৃতীয় অবস্থানে কে বসে আছে?

- Ans ☐ 1. L
☒ 2. M
☐ 3. O
☐ 4. R

Q.8 একটি নির্দিষ্ট সাংকেতিক ভাষায়, 'month owl row' কে 'eg kv oc' এবং 'vex row virus' কে 'jl vf eg' হিসাবে লেখা হয়। প্রদত্ত সাংকেতিক ভাষায় 'row' কে কীভাবে লেখা হয়?

- Ans ☐ 1. jl
☐ 2. oc
☐ 3. kv
☒ 4. eg



Q.9 প্রদত্ত বিকল্পগুলির মধ্যে কোন সংখ্যাটি নিচের ক্রমের প্রসঙ্গবোধক চিহ্নকে (?) প্রতিস্থাপন করবে?

44 55 68 83 100 ?

- Ans
- ☒ 1. 108
 - ☒ 2. 124
 - ☒ 3. 119
 - ☒ 4. 112

Q.10 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All watches are belts. No belt is a tie.

Conclusions (I): Some watches are ties.

Conclusions (II): All ties are belts.

- Ans
- ☒ 1. Only conclusion (I) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☒ 3. Both conclusions (I) and (II) follow.
 - ☒ 4. Neither conclusion (I) nor (II) follows.

Q.11 প্রদত্ত ক্রমের প্রসঙ্গবোধক চিহ্নটির (?) স্থানে কোন সংখ্যাটি বসবে?

49, 81, 121, 169, ?, 289

- Ans
- ☒ 1. 225
 - ☒ 2. 256
 - ☒ 3. 245
 - ☒ 4. 196

Q.12 যদি '+' ও '-' পরস্পর স্থান বিনিময় করে এবং 'x' ও '÷' পরস্পর স্থান বিনিময় করে, তবে নিচের সমীকরণে প্রসঙ্গবোধক চিহ্ন (?) এর স্থানে কোন সংখ্যাটি বসবে?

$24 + 86 \times 2 - 15 \div 4 = ?$

- Ans
- ☒ 1. 32
 - ☒ 2. 58
 - ☒ 3. 49
 - ☒ 4. 41

Q.13 যে বিকল্প সেটের সংখ্যাগুলি, নিচে দেওয়া সেটের সংখ্যাগুলির মতো একইভাবে সম্পর্কিত, সেই বিকল্প সেটটি চয়ন করুন।
(দ্রষ্টব্য: সংখ্যাগুলিকে এদের উপাদান অঙ্কে বিভাজিত না করে, সমগ্র কার্যক্রমটি অথবা সংখ্যার উপরেই সম্পাদন করতে হবে। যেমন, 13 এর ক্ষেত্রে, 13 এর উপরেই যাবতীয় কার্যক্রম সম্পাদন করতে হবে। অর্থাৎ, 13 এর সঙ্গেই যোগ/বিয়োগ/গুণ ইত্যাদি করতে হবে কিন্তু 13 কে তার উপাদান অঙ্ক 1 এবং 3 এ বিভাজিত করে তারপর 1 এবং 3 এর উপর কোনোপ্রকার গাণিতিক কার্যক্রম সম্পাদন করা যাবে না।)

(384, 32, 6)
(408, 68, 3)

- Ans
- ☒ 1. (280, 38, 5)
 - ☒ 2. (416, 52, 4)
 - ☒ 3. (394, 48, 4)
 - ☒ 4. (348, 41, 4)



Q.14 বিজয় তার ক্লাসে প্রথম দিক থেকে 12 তম এবং শেষের দিক থেকে 34 তম স্থানে রয়েছে। তার ক্লাসে কতজন ছাত্র আছে?

- Ans
- ☒ 1. 44
 - ☒ 2. 46
 - ☒ 3. 45
 - ☒ 4. 47

Q.15 সংখ্যা এবং চিহ্নের ক্রমটি দেখুন এবং নিম্নলিখিত প্রশ্নের উত্তর দিন। শুধুমাত্র বামদিক থেকে ডানদিকে গণনা করতে হবে।

(বামদিক) 7 @ > 5 # ? \ + * 2 > ? > \$ 4 % % \$ 7 4 2 (ডানদিক)

উপরের ক্রমে এরকম কতগুলি চিহ্ন আছে, যার প্রত্যেকটির ঠিক আগে অন্য একটি চিহ্ন এবং ঠিক পরে একটি সংখ্যা আছে?

- Ans
- ☒ 1. তিনটি
 - ☒ 2. দুইটি
 - ☒ 3. পাঁচটি
 - ☒ 4. চারটি

Q.16 ইংরেজি বর্ণমালার ক্রম অনুসারে, নিচের চারটি বর্ণ-গুচ্ছ জোড়ার মধ্যে তিনটি নির্দিষ্ট পদ্ধতিতে অনুরূপ এবং এইভাবে তারা একটি দল তৈরি করে। কোন বর্ণ-গুচ্ছ জোড়াটি সেই দলের অন্তর্গত নয়?
(দ্রষ্টব্য: ব্যতিক্রমী বিকল্পটি, বর্ণ-গুচ্ছ তাদের ব্যঞ্জনবর্ণ/স্বরবর্ণের সংখ্যা বা তাদের অবস্থানের উপর ভিত্তি করে নয়।)

- Ans
- ☒ 1. NI-MO
 - ☒ 2. TO-SV
 - ☒ 3. QL-PS
 - ☒ 4. KF-JM

Q.17 সাতজন ব্যক্তি A, B, C, T, U, V এবং W উত্তর দিকে মুখ করে একটি সারিতে বসে আছেন। V এবং T এর মাঝে মাত্র তিনজন বসে আছেন। U বসে আছেন T এর ঠিক বাম দিকে। C এর ডানদিকে কেউ বসে নেই। C এবং U এর মাঝে মাত্র দুজন বসে আছেন। W বসে আছেন A এর ঠিক ডানদিকে। B এবং W এর মাঝে কতজন ব্যক্তি বসে আছেন?

- Ans
- ☒ 1. তিনজন
 - ☒ 2. দুজন
 - ☒ 3. একজন
 - ☒ 4. চারজন

Q.18 Each of the digits in the number 6317458 is arranged in descending order from left to right. What will be the sum of the digits which are third from the left and second from the right in the new number thus formed?

- Ans
- ☒ 1. 10
 - ☒ 2. 9
 - ☒ 3. 12
 - ☒ 4. 11

Q.19 যদি 'A' এর অর্থ '+' হয়, 'B' এর অর্থ 'x' হয়, 'C' এর অর্থ '+' হয় এবং 'D' এর অর্থ '-' হয়, তাহলে নিচের সমীকরণে প্রশ্নবোধক চিহ্ন (?) এর স্থানে কী বসবে?

100 A 5 C 14 D 5 B 3 = ?

- Ans
- ☒ 1. 23
 - ☒ 2. 15
 - ☒ 3. 27
 - ☒ 4. 19



Q.20 নিচের ত্রয়ীগুলিতে, প্রতিটি বর্ণগুচ্ছ একটি নির্দিষ্ট যুক্তি অনুসরণ করে পরবর্তী বর্ণগুচ্ছের সঙ্গে সম্পর্কিত। প্রদত্ত বিকল্পগুলি থেকে, অনুরূপ যুক্তি অনুসরণকারী বর্ণগুচ্ছটি চয়ন করুন।

SONG - OSNG - GNOS
HEAT - EHAT - TAEH

- Ans ☒ 1. BUYS - UBYS - UYSB
☒ 2. UNIT - NUIT - TNIU
☒ 3. TONG - TNOG - GNOT
☒ 4. FUSE - UFSE - ESUF

Q.21 ইংরেজি বর্ণমালার ক্রম অনুসারে নিচে দেওয়া চারটি বর্ণগুচ্ছ জোড়ার মধ্যে তিনটি নির্দিষ্ট পদ্ধতিতে অনুরূপ এবং সেই কারণে তারা একটি দল গঠন করে। কোন বর্ণগুচ্ছ জোড়াটি সেই দলের অন্তর্গত নয় তা নির্ণয় করুন।
(দ্রষ্টব্য: ব্যতিক্রমী বিকল্পটি ব্যঞ্জনবর্ণ/ স্বরবর্ণ সংখ্যা অথবা বর্ণগুচ্ছ তাদের অবস্থান ভিত্তিক নয়।)

- Ans ☒ 1. MP - LO
☒ 2. KR - GT
☒ 3. EH - DG
☒ 4. GJ - FI

Q.22 রোজি A বিন্দু থেকে যাত্রা শুরু করে পশ্চিম দিকে 7 km গাড়ি চালায়। তারপর সে বাম দিকে বাঁক নেয়, 5 km গাড়ি চালায়, আবার সে বাম দিকে বাঁক নেয়, 12 km গাড়ি চালায়, তারপর ডান দিকে বাঁক নেয় এবং 9 km গাড়ি চালায়। সে শেষবারের মতো ডান দিকে বাঁক নেয়, 5 km গাড়ি চালায় এবং P বিন্দুতে থামে। আবার A বিন্দুতে পৌঁছানোর জন্য তাকে কত দূরত্ব (সর্বনিম্ন দূরত্ব) যেতে হবে এবং কোন দিকে গাড়ি চালাতে হবে?
(নির্দিষ্ট করে বলা না থাকলে সমস্ত বাঁক 90° ধরে নিতে হবে)

- Ans ☒ 1. 16 km পূর্বে
☒ 2. 14 km উত্তরে
☒ 3. 14 km দক্ষিণে
☒ 4. 16 km পশ্চিমে

Q.23 আমান A বিন্দু থেকে হাঁটা শুরু করে এবং উত্তর দিকে 10 m দৌড়ায়। তারপর সে ডান দিকে বাঁক নেয় এবং 5 m হাঁটে, তারপর আবার ডান দিকে বাঁক নেয় এবং 6 m হাঁটে এবং আবার ডানদিকে বাঁক নিয়ে 12 m হাঁটে। এবার সে শেষবারের মতো বাম দিকে বাঁক নিয়ে 4 m হাঁটে এবং থামে। শুরুর বিন্দুতে পৌঁছানোর জন্য তাকে কত দূরে (সর্বনিম্ন) এবং কোন দিকে হাঁটতে হবে? (নির্দিষ্ট ভাবে না বলা থাকলে সমস্ত বাঁক 90° ধরে নিতে হবে।)

- Ans ☒ 1. 8 m পশ্চিম দিকে
☒ 2. 7 m উত্তর দিকে
☒ 3. 8 m দক্ষিণ দিকে
☒ 4. 7 m পূর্ব দিকে

Q.24 30 জন শিক্ষার্থী উত্তর দিকে মুখ করে একটি সারিতে দাঁড়িয়ে আছে। দীপা বাম প্রান্ত থেকে 9ম স্থানে, আর সবিতা ডান প্রান্ত থেকে 11তম স্থানে দাঁড়িয়ে আছে। দীপা এবং সবিতার মাঝে কতজন শিক্ষার্থী দাঁড়িয়ে আছে?

- Ans ☒ 1. 10
☒ 2. 11
☒ 3. 8
☒ 4. 9

Q.25 GT 23 একটি নির্দিষ্ট পদ্ধতিতে FP 6 এর সঙ্গে সম্পর্কিত। অনুরূপ পদ্ধতিতে HP 21 সম্পর্কিত GL 4 এর সঙ্গে। অনুরূপ পদ্ধতি অনুসরণ করে, OL 15 কোন বিকল্পটির সঙ্গে সম্পর্কিত?

- Ans ☒ 1. MI 4
☒ 2. NH 2
☒ 3. MH 2
☒ 4. NI 4



Q.26 নিচের সংখ্যা এবং চিহ্নের ক্রমটি দেখুন এবং প্রশ্নটির উত্তর দিন। কেবল বাম দিক থেকে ডান দিকে গণনা করতে হবে।

(বামদিক) 5 * # 7 % £ 9 4 \$ 3 & @ 8 Ω \$ 1 6 & # 2 (ডানদিক)

এমন কতগুলি চিহ্ন আছে যার প্রতিটির ঠিক আগে একটি সংখ্যা আছে এবং ঠিক পরে অন্য একটি সংখ্যা আছে?

- Ans
- ☒ 1. দুইয়ের বেশি
 - ☒ 2. একটি
 - ☒ 3. দুটি
 - ☒ 4. একটিও নয়

Q.27 ইংরেজি বর্ণমালার ক্রম অনুসারে নিচে দেওয়া চারটি বর্ণগুচ্ছ জোড়ার মধ্যে তিনটি নির্দিষ্ট পদ্ধতিতে অনুরূপ এবং সেই কারণে তারা একটি দল গঠন করে। কোন বর্ণগুচ্ছ জোড়াটি সেই দলের অন্তর্গত নয় তা নির্ণয় করুন।
(দ্রষ্টব্য: ব্যতিক্রমী বিকল্পটি ব্যঞ্জনবর্ণ/স্বরবর্ণ সংখ্যা অথবা বর্ণগুচ্ছ তাদের অবস্থান ভিত্তিক নয়।)

- Ans
- ☒ 1. UY-PS
 - ☒ 2. LP-GJ
 - ☒ 3. SW-NQ
 - ☒ 4. GK-BF

Q.28 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All hands are legs.
Some legs are faces.

Conclusions:

(I) All legs are hands.
(II) All faces are legs.

- Ans
- ☒ 1. Neither conclusion I nor II follows.
 - ☒ 2. Only conclusion II follows.
 - ☒ 3. Both conclusions I and II follow.
 - ☒ 4. Only conclusion I follows.

Q.29 একটি নির্দিষ্ট কোড ল্যাঙ্গুয়েজে,
'A \$ B' এর অর্থ 'A হল B এর মেয়ে'
'A + B' এর অর্থ 'A হল B এর ভাই'
'A @ B' এর অর্থ 'A হল B এর স্ত্রী'
'A ÷ B' এর অর্থ 'A হল B এর বাবা'

যদি 'E @ F + G \$ M ÷ N' হয়, তাহলে উপর্যুক্ত শর্ত অনুসারে, E কীভাবে N এর সঙ্গে সম্পর্কিত?

- Ans
- ☒ 1. ভাইয়ের মেয়ে
 - ☒ 2. স্ত্রী
 - ☒ 3. মেয়ে
 - ☒ 4. ভাইয়ের স্ত্রী

Q.30 একটি নির্দিষ্ট কোড ল্যাঙ্গুয়েজে, 'LOSE' কে '9432' এবং 'LOST' কে '9364' কোড করা হয়। প্রদত্ত কোড ল্যাঙ্গুয়েজে 'T' এর কোড কী?

- Ans
- ☒ 1. 3
 - ☒ 2. 9
 - ☒ 3. 6
 - ☒ 4. 4





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	11/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Who addressed the opening session of the 24th edition of the World Sustainable Development Summit in New Delhi in March 2025?

- Ans**
- ☒ 1. Pralhad Joshi
 - ☒ 2. Bhupender Yadav
 - ☒ 3. Piyush Goyal
 - ☒ 4. Amit Shah

Q.2 Which of the following rivers is a peninsular river and flows eastward?

- Ans**
- ☒ 1. Sabarmati
 - ☒ 2. Narmada
 - ☒ 3. Tapti
 - ☒ 4. Mahanadi

Q.3 Which of the following US biotech companies opened a \$200 million tech and innovation hub in 2025?

- Ans**
- ☒ 1. Genentech
 - ☒ 2. Biogen
 - ☒ 3. Novavax
 - ☒ 4. Amgen

Q.4 Which of the following conducted India's inaugural Agentic AI Hackathon in 2025?

- Ans**
- ☒ 1. AI Nexus Foundation
 - ☒ 2. Techvantage.ai
 - ☒ 3. DigitalNext AI
 - ☒ 4. Bharat Innovation Lab

Q.5 Which sector was given top priority under the Second Five-Year Plan of India (1956-61)?

- Ans**
- ☒ 1. Education and health
 - ☒ 2. Agriculture
 - ☒ 3. Small-scale industries
 - ☒ 4. Heavy and basic industries



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Q.6 Who among the following was the renowned poet-saint of the Bhakti movement known for composing dohas (couplets)?

- Ans**
- ☐ 1. Bhasa
 - ☒ 2. Kabir
 - ☐ 3. Kalidasa
 - ☐ 4. Bharavi

Q.7 In March 2025, the Lok Sabha passed the Bills of Lading Bill, modernising how many years of old colonial shipping law?

- Ans**
- ☒ 1. 169 years
 - ☐ 2. 175 years
 - ☐ 3. 150 years
 - ☐ 4. 120 years

Q.8 Which of the following is an example of a longitudinal wave?

- Ans**
- ☐ 1. Water wave on surface
 - ☐ 2. Light wave in vacuum
 - ☒ 3. Sound wave in air
 - ☐ 4. Radio wave during transmission

Q.9 Who has written the book 'Parliament: Powers, Functions & Privileges; A Comparative Constitutional Perspective', launched by the former Vice-President Jagdeep Dhankhar in January 2025?

- Ans**
- ☐ 1. MJ Akbar
 - ☐ 2. Dr. Rajen Saikia
 - ☒ 3. Dr. KS Chauhan
 - ☐ 4. K Natwar Singh

Q.10 Which method used in metallurgy specifically describes the formation of metal oxides by heating carbonate ores?

- Ans**
- ☐ 1. Calcification
 - ☐ 2. Chlorination
 - ☒ 3. Calcination
 - ☐ 4. Carbonation

Q.11 Which exercise did INS Shivalik complete just before joining RIMPAC in June 2024?

- Ans**
- ☐ 1. AUSINDEX
 - ☐ 2. INDRA
 - ☒ 3. JIMEX
 - ☐ 4. SLINEX

Q.12 The location of cement plants is mainly governed by the availability of:

- Ans**
- ☐ 1. bauxite
 - ☐ 2. cotton
 - ☐ 3. iron ore
 - ☒ 4. limestone

Q.13 Which Indian Prime Minister is closely associated with initiating the 1991 LPG reforms?

- Ans**
- ☐ 1. Rajiv Gandhi
 - ☐ 2. Indira Gandhi
 - ☐ 3. Atal Bihari Vajpayee
 - ☒ 4. PV Narasimha Rao



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Q.14 A computer system mainly includes which three components?

- Ans**
- ☐ 1. CPU, Scanner, Air Conditioner
 - ☐ 2. Monitor, USB, Light
 - ☐ 3. Mouse, CPU, Mobile
 - ☒ 4. Input, Processing, Output

Q.15 What type of rainfall occurs when air is forced to rise over a mountain barrier?

- Ans**
- ☐ 1. Cyclonic rainfall
 - ☒ 2. Orographic rainfall
 - ☐ 3. Convectional rainfall
 - ☐ 4. Frontal rainfall

Q.16 Which of the following devices is primarily used to convert digital signals into sound for audio output?

- Ans**
- ☐ 1. Printer
 - ☒ 2. Speaker
 - ☐ 3. Microphone
 - ☐ 4. Monitor

Q.17 Which country served as the host for the 2025 Asian Winter Games?

- Ans**
- ☐ 1. Kazakhstan
 - ☒ 2. China
 - ☐ 3. Japan
 - ☐ 4. South Korea

Q.18 Who was appointed as the Chairperson of the 23rd Law Commission of India in April 2025?

- Ans**
- ☐ 1. Justice (Retd.) Ranjan Gogoi
 - ☐ 2. Justice (Retd.) AK Sikri
 - ☒ 3. Justice (Retd.) Dinesh Maheshwari
 - ☐ 4. Justice (Retd.) Kurian Joseph

Q.19 Which of the following is NOT a principle of Jainism?

- Ans**
- ☐ 1. The whole world, including stone and water, has life.
 - ☒ 2. Rejection of the doctrine of Karma
 - ☐ 3. Practice of non-injury to living beings
 - ☐ 4. Monastic life is the only way to salvation.

Q.20 Which island nation lies to the south of the Lakshadweep Islands?

- Ans**
- ☒ 1. Maldives
 - ☐ 2. Andaman Islands
 - ☐ 3. Sri Lanka
 - ☐ 4. Mauritius

Q.21 Puja Tomar, the first Indian woman to achieve a victory in a UFC (Ultimate Fighting Championship) fight in 2024, participates in which sport?

- Ans**
- ☐ 1. Wrestling
 - ☒ 2. Mixed Martial Arts
 - ☐ 3. Boxing
 - ☐ 4. Judo



Q.22 Hema Malini, who was appointed Member of Committee on the Empowerment of Women in April 2025, represents which parliamentary constituency?

- Ans**
- ☐ 1. Bareilly
 - ☐ 2. Agra
 - ☐ 3. Meerut
 - ☒ 4. Mathura

Q.23 Which military operation was launched to integrate Hyderabad into India in 1948?

- Ans**
- ☐ 1. Operation Shield
 - ☐ 2. Operation Peace
 - ☒ 3. Operation Polo
 - ☐ 4. Operation Lotus

Q.24 Which of the following Articles of the Indian Constitution provides for the composition of Municipalities?

- Ans**
- ☐ 1. Article 243S
 - ☒ 2. Article 243R
 - ☐ 3. Article 243X
 - ☐ 4. Article 243Q

Q.25 What makes basic rules in the Constitution effective?

- Ans**
- ☐ 1. They are based on popular customs only.
 - ☒ 2. They are legally enforceable.
 - ☐ 3. They are a secret.
 - ☐ 4. They are not enforced.

Q.26 Globalisation influenced consumer choices in India. Which trend reflects the impact of globalisation on Indian consumers?

- Ans**
- ☐ 1. Decline in foreign goods
 - ☐ 2. Less brand diversity
 - ☐ 3. Monopolisation of FMCG
 - ☒ 4. Wider availability of international brands

Q.27 In which of the following Indian cities was the Prarthana Samaj, which believed in the spiritual equality of all castes, founded in the 19th century?

- Ans**
- ☒ 1. Bombay
 - ☐ 2. Kanpur
 - ☐ 3. Mysore
 - ☐ 4. Jodhpur

Q.28 Which two chemists are credited with developing the law of mass action in 1864, which states that the concentration of the reactants determines how quickly a chemical change occurs?

- Ans**
- ☐ 1. Fritz Haber and Carl Bosch
 - ☐ 2. Carl Wilhelm Scheele and Humphry Davy
 - ☒ 3. Cato M Guldberg and Peter Waage
 - ☐ 4. Georg Brandt and Torbern Bergman



Q.29 On the occasion of Republic Day 2025, the president of India conferred how many Jeevan Raksha Padak Series of Awards-2024?

- Ans**
- ☐ 1. 17
 - ☐ 2. 09
 - ☒ 3. 49
 - ☐ 4. 23

Q.30 In May 2025, which Indian AI healthcare startup announced plans to go public within two years, aiming to expand its diagnostic tools for conditions like tuberculosis and stroke?

- Ans**
- ☐ 1. HealthifyMe
 - ☐ 2. Niramai
 - ☐ 3. 1mg
 - ☒ 4. Qure.ai

Q.31 Which of the following Amendments clarified that the President must act in accordance with the advice of the Council of Ministers?

- Ans**
- ☐ 1. 44th Amendment
 - ☒ 2. 42nd Amendment
 - ☐ 3. 24th Amendment
 - ☐ 4. 74th Amendment

Q.32 What was the Congress leaders' approach to achieving limited self-government in the early years?

- Ans**
- ☐ 1. Peaceful petitions
 - ☒ 2. Violent protests
 - ☐ 3. Foreign intervention
 - ☐ 4. Revolutionary wars

Q.33 Which of the following states recorded the second-highest population density in 2011 as per the Census of India?

- Ans**
- ☐ 1. Madhya Pradesh
 - ☐ 2. Maharashtra
 - ☐ 3. Uttar Pradesh
 - ☒ 4. West Bengal

Q.34 Which of the following options best describes the purpose of the Red Data Book?

- Ans**
- ☐ 1. A list of protected forest areas
 - ☐ 2. A compilation of forest conservation laws
 - ☒ 3. A record of endangered plant and animal species
 - ☐ 4. A collection of tree species

Q.35 How are the one-third reserved seats for women distributed across different categories in local bodies?

- Ans**
- ☐ 1. Only one-third of the general (unreserved) seats are reserved for women, excluding reserved-category seats.
 - ☒ 2. One-third of all seats, including those reserved for SC/ST/OBC categories, are reserved for women, allowing a seat to be reserved simultaneously for a woman and for an SC/ST/OBC candidate.
 - ☐ 3. One-third reservation applies only to leadership positions such as Sarpanch or Chairperson.
 - ☐ 4. One-third reservation applies only to rural Panchayats and not to urban municipal bodies.



Q.36 Which of the following countries launched Operation Brahma for the earthquake in Myanmar?

- Ans**
- ☐ 1. Bhutan
 - ☐ 2. Thailand
 - ☒ 3. India
 - ☐ 4. Cambodia

Q.37 According to the Citizenship Act, how many years must a person ordinarily reside in India to apply for citizenship by naturalisation under general conditions?

- Ans**
- ☐ 1. 5 years
 - ☐ 2. 7 years
 - ☒ 3. 12 years
 - ☐ 4. 10 years

Q.38 The BIMSTEC Youth Summit 2025 was held in which city?

- Ans**
- ☒ 1. Gandhinagar
 - ☐ 2. Mumbai
 - ☐ 3. New Delhi
 - ☐ 4. Bengaluru

Q.39 Agricultural credit has grown significantly since liberalisation, though distribution remains uneven. Which institution is the apex body for rural credit in India?

- Ans**
- ☐ 1. RBI
 - ☐ 2. SIDBI
 - ☒ 3. NABARD
 - ☐ 4. FCI

Q.40 The Shaka dynasty in India was founded by ____.

- Ans**
- ☒ 1. Maues (Moga)
 - ☐ 2. Nahapana
 - ☐ 3. Rudradaman I
 - ☐ 4. Menander I

Section : Mathematics

Q.1 *The value of $2^2 + \sqrt{8^2} - 2\sqrt{4} - 11$ is*

- Ans**
- ☐ 1. 5
 - ☐ 2. -7
 - ☐ 3. 2
 - ☒ 4. -3

Q.2 The product of two consecutive positive natural numbers is 272. The greater of the two numbers is:

- Ans**
- ☐ 1. 36
 - ☐ 2. 9
 - ☒ 3. 17
 - ☐ 4. 28



Q.3 Find the value of $[290 \div \{27 + 5 \times (2 - 7)\}]$.

Ans ☒ 1. 145

☐ 2. 141

☐ 3. 140

☐ 4. 150

Q.4 What smallest number should be added to 81661 so that the sum is completely divisible by 73?

Ans ☐ 1. 25

☐ 2. 24

☒ 3. 26

☐ 4. 30

Q.5 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 113^\circ$ and $\angle BAC = 26^\circ$, then what is the measure of $\angle ACD$ (in degree)?

Ans ☐ 1. 168°

☐ 2. 165°

☒ 3. 41°

☐ 4. 166°

Q.6 A store sells a printer priced at ₹32,000, offering a trade discount of 9%. What is the discount amount?

Ans ☐ 1. ₹2,780

☒ 2. ₹2,880

☐ 3. ₹2,740

☐ 4. ₹2,840

Q.7 Pipe A can fill a tank in 14 hours, pipe B can fill the same tank in 24 hours and pipe C can fill the same tank in 17 hours. The time taken by them to fill the same tank if they operate together is::

Ans ☒ 1. $5\frac{401}{491}$ hours

☐ 2. $11\frac{401}{491}$ hours

☐ 3. $10\frac{401}{491}$ hours

☐ 4. $2\frac{401}{491}$ hours

Q.8 I bought two frocks for ₹1,200. I sold the first one at a loss of 10% and the second at a gain of 15%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first frock.

Ans ☐ 1. 740

☐ 2. 744

☐ 3. 704

☒ 4. 720



Q.9 Train A leaves station M at 8:05 a.m. and reaches station N at 3:05 p.m. on the same day. Train B leaves station N at 10:05 a.m. and reaches station M at 3:05 p.m. on the same day. Find the time when Trains A and B meet.

- Ans**
- ☒ 1. 12:10 p.m.
 - ☐ 2. 12:30 p.m.
 - ☐ 3. 12:00 p.m.
 - ☐ 4. 11:50 a.m.

Q.10 Find the surface area of a cuboid with length 8 cm, breadth 5 cm and height 3 cm.

- Ans**
- ☐ 1. 140 cm^2
 - ☐ 2. 94 cm^2
 - ☒ 3. 158 cm^2
 - ☐ 4. 126 cm^2

Q.11 Priya can do a certain piece of work in 22 days. Priya and Varsha can together do the same work in 11 days, and Priya, Varsha and Nisha can do the same work together in 8 days. In how many days can Priya and Nisha do the same work?

- Ans**
- ☐ 1. $\frac{94}{9}$
 - ☐ 2. $\frac{95}{8}$
 - ☐ 3. $\frac{78}{7}$
 - ☒ 4. $\frac{88}{7}$

Q.12 Find the value of x satisfying: $5(5x^2 - 7) - 5(5x^2 + 2x - 4) = 15$

- Ans**
- ☐ 1. 2
 - ☐ 2. -1
 - ☒ 3. -3
 - ☐ 4. 0

Q.13 What sum of money (in ₹) will amount to ₹2,280 at 4% per annum simple interest in 5 years?

- Ans**
- ☐ 1. ₹11,400
 - ☒ 2. ₹1,900
 - ☐ 3. ₹1,850
 - ☐ 4. ₹1,950

Q.14 Which of the following numbers divide 726179?

- Ans**
- ☐ 1. 29
 - ☐ 2. 28
 - ☒ 3. 23
 - ☐ 4. 20

Q.15 If the third proportional of 54 and 18 is x, then what is the value of x?

- Ans**
- ☐ 1. 5
 - ☒ 2. 6
 - ☐ 3. 9
 - ☐ 4. 3



Q.16 The average weight of Vipul, Mohan, and Mohammad is 46 kg. If the average weight of Vipul and Mohan is 36 kg and that of Mohan and Mohammad is 43 kg, then the weight of Mohan (in kg) is:

- Ans**
- ☒ 1. 30
 - ☒ 2. 20
 - ☒ 3. 35
 - ☒ 4. 40

Q.17 The population of a district is 364000, out of which 178000 are males. 63% of the population is literate. If 63% males are literate, then what percentage of females are literate?

- Ans**
- ☒ 1. 66%
 - ☒ 2. 62%
 - ☒ 3. 63%
 - ☒ 4. 65%

Q.18 A man driving a car at a speed of 75 km/hr crosses a bridge in 1.4 minutes. Find the length of the bridge.

- Ans**
- ☒ 1. 1.02 km
 - ☒ 2. 1.75 km
 - ☒ 3. 1.18 km
 - ☒ 4. 1.01 km

Q.19 If 2 times a mother's present age is 27 years more than 9 times her daughter's present age, and 6 times the daughter's present age is 9 years less than the mother's present age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans**
- ☒ 1. 21
 - ☒ 2. 29
 - ☒ 3. 24
 - ☒ 4. 23

Q.20 Find the simple interest (in ₹) on ₹4,000 at 6.75% per annum rate of interest deposited on 23 February 2024 and withdrawn on 24 April 2024.

- Ans**
- ☒ 1. ₹43
 - ☒ 2. ₹44
 - ☒ 3. ₹45
 - ☒ 4. ₹46

Q.21 A jacket is marked at ₹8,000. The shopkeeper offers a 30% discount on the marked price. After the discount, a 12% sales tax is added on the discounted price. What is the final price of the jacket?

- Ans**
- ☒ 1. ₹6,440
 - ☒ 2. ₹7,248
 - ☒ 3. ₹6,240
 - ☒ 4. ₹6,272

Q.22 Find the value of $\frac{\sin A - 2\sin^3 A}{2\cos^3 A - \cos A} + \sqrt{\operatorname{cosec}^2 A - 1}$.

- Ans**
- ☒ 1. $\sec A \operatorname{cosec} A$
 - ☒ 2. $\operatorname{cosec}^2 A$
 - ☒ 3. $\sec^2 A$
 - ☒ 4. $\sec A$



Q.23 The perimeter of a square is 248 m. Its area (in m^2) is:

- Ans
- ☐ 1. 3848
 - ☐ 2. 3816
 - ☐ 3. 3840
 - ☒ 4. 3844

Q.24 Manoj, Swati and Rahul invested ₹1,020, ₹1,440 and ₹1,230, respectively to start a business. If the profit at the end of the year is ₹1,260, what is Rahul's share of the profit?

- Ans
- ☒ 1. ₹420
 - ☐ 2. ₹423
 - ☐ 3. ₹421
 - ☐ 4. ₹422

Q.25 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 73 kg and 39 kg is:

- Ans
- ☒ 1. 51.4
 - ☐ 2. 53.4
 - ☐ 3. 52.4
 - ☐ 4. 50.4

Q.26 A number when increased by 100% gives 2700. The number is:

- Ans
- ☒ 1. 1350
 - ☐ 2. 2700
 - ☐ 3. 4050
 - ☐ 4. 675

Q.27 The selling price of 50 books is equal to the cost price of 5 books. Find the loss or gain percentage.

- Ans
- ☒ 1. 90% loss
 - ☐ 2. 90% gain
 - ☐ 3. $\frac{100}{45}\%$ loss
 - ☐ 4. $\frac{100}{45}\%$ gain

Q.28 Which of the following numbers divides 15,99,16,901?

- Ans
- ☐ 1. 25
 - ☒ 2. 19
 - ☐ 3. 28
 - ☐ 4. 18

Q.29 M and N start a business. M invests ₹70,000 more than N for 3 months and N invests for 5 months. M's share is ₹288 more than that of N, out of a total profit of ₹4,896. Find the capital contributed by M.

- Ans
- ☒ 1. ₹1,50,000
 - ☐ 2. ₹1,40,000
 - ☐ 3. ₹1,80,000
 - ☐ 4. ₹1,60,000



Q.30 The LCM of $3^3 \times 8^2 \times 14$, $3^2 \times 14^2 \times 19$ and $8^3 \times 14^2 \times 19^2$ is:

- Ans**
- ☐ 1. $3^3 \times 8^2 \times 14^2 \times 19$
 - ☐ 2. $3^2 \times 8^2 \times 14^2 \times 19^3$
 - ☐ 3. $3^2 \times 8^3 \times 14 \times 19^2$
 - ☒ 4. $3^3 \times 8^3 \times 14^2 \times 19^2$

Section : General Intelligence and Reasoning

Q.1 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. UQ-VR
 - ☐ 2. QM-RO
 - ☐ 3. SO-TQ
 - ☐ 4. WS-XU

Q.2 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some marks are tattoo.

No tattoo is a painting.

Conclusions:

(I): Some marks are painting.

(II): Some tattoo are mark.

- Ans**
- ☐ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (I) follows.
 - ☒ 4. Only conclusion (II) follows.

Q.3 In a certain code language, 'DRUM' is coded as '2194' and 'CURD' is coded as '4592'. What is the code for 'C' in the given code language?

- Ans**
- ☐ 1. 2
 - ☒ 2. 5
 - ☐ 3. 9
 - ☐ 4. 4

Q.4 What should come in place of the question mark (?) in the given series?

316 288 262 238 216 ?

- Ans**
- ☐ 1. 185
 - ☐ 2. 205
 - ☒ 3. 196
 - ☐ 4. 172

Q.5 In a row of people all facing north, Mukul is 5th from the right end. Alok is 10th from the right end. Alok is exactly between Mukul and Rohan. If Rohan is 6th from the left end of the line, how many people are there in the row?

- Ans**
- ☒ 1. 20
 - ☐ 2. 23
 - ☐ 3. 26
 - ☐ 4. 24



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Q.6 What should come in place of the question mark (?) in the given series?

7 10 16 28 52 ?

- Ans**
- ☐ 1. 99
 - ☐ 2. 104
 - ☒ 3. 100
 - ☐ 4. 102

Q.7 In a certain code language, 'TALK' is coded as '5327' and 'LINE' is coded as '6143'. What is the code for 'L' in the given code language?

- Ans**
- ☐ 1. 2
 - ☐ 2. 6
 - ☐ 3. 4
 - ☒ 4. 3

Q.8 If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '-' and 'S' stands for '+', then what will come in place of the question mark (?) in the following equation?

(63 P 2) R (24 P 3) S (98 Q 2) R (48 Q 3) R 3 = ?

- Ans**
- ☐ 1. 98
 - ☒ 2. 84
 - ☐ 3. 122
 - ☐ 4. 104

Q.9 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SAIN - ANIS - NIAS
COIN - ONIC - NIOC

- Ans**
- ☐ 1. YOUR - YUOR - RUOY
 - ☐ 2. MACE - AMCE - EACM
 - ☒ 3. MILE - IELM - ELIM
 - ☐ 4. FEAT - EFAT - TEAF

Q.10 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.

(Left) 9 8 6 1 & & 2 ^ ^ \$ \$ > 5 ^ 6 ^ 4 & # 6 @ (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another symbol?

- Ans**
- ☐ 1. Two
 - ☐ 2. One
 - ☐ 3. Four
 - ☒ 4. Three

Q.11 If 1 is added to each odd digit and 4 is subtracted from each even digit in the number 6854376, which of the following digits will be third from the right?

- Ans**
- ☐ 1. 6
 - ☒ 2. 4
 - ☐ 3. 0
 - ☐ 4. 8



Q.12 B starts from Point A and drives 16 km towards the south. He then takes a right turn and drives 12 km, then turns right and drives 19 km. He then takes a right turn and drives 21 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ 1. 4 km to the north
 - ☐ 2. 7 km to the east
 - ☒ 3. 9 km to the west
 - ☐ 4. 5 km to the west

Q.13 BSWK is related to GXTH in a certain way based on the English alphabetical order. In the same way, LCQE is related to QHNB. To which of the given options is VMKY related, following the same logic?

- Ans**
- ☐ 1. AQIW
 - ☐ 2. BSGV
 - ☒ 3. ARHV
 - ☐ 4. ZRFU

Q.14 In a row of 49 students facing north, Amir is 22nd from the right end. If Tarun is 23rd to the left of Amir, what is Tarun's position from the left end of the line?

- Ans**
- ☐ 1. 3rd
 - ☒ 2. 5th
 - ☐ 3. 4th
 - ☐ 4. 6th

Q.15 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All sharks are salmons.
Some salmons are tunas.

Conclusions:

- I. Some sharks are tunas.
- II. No tunas are sharks.

- Ans**
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (II) follows.
 - ☐ 4. Only conclusion (I) follows.

Q.16 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only B is kept above C. Only two boxes are kept between C and A. Only E is kept below F. G is not kept immediately above A. How many boxes are kept below A?

- Ans**
- ☐ 1. 1
 - ☐ 2. 3
 - ☒ 3. 2
 - ☐ 4. 4



Q.17 If + means 'subtraction', - means 'division', ÷ means 'multiplication', × means 'addition', then what will come in place of the question mark (?) in the following equation?

$$49 - 1 \times 480 + 40 \div 6 = ?$$

- Ans**
- ☒ 1. 291
 - ☒ 2. 289
 - ☐ 3. 292
 - ☐ 4. 290

Q.18 In a certain code language,
'A = B' means 'A is the mother of B',
'A \$ B' means 'A is the brother of B',
'A @ B' means 'A is the wife of B' and
'A * B' means 'A is the father of B'.

How is W related to R if W = A \$ C @ D * R?

- Ans**
- ☒ 1. Mother's mother
 - ☐ 2. Mother's sister
 - ☐ 3. Sister
 - ☐ 4. Mother

Q.19 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FIB27 GJC38 HKD49 ILE60 ?

- Ans**
- ☒ 1. JMF71
 - ☐ 2. JME70
 - ☐ 3. JME71
 - ☐ 4. JMF70

Q.20 Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. No one sits to the right of K. Only three people sit between K and J. Only two people sit between J and I. L sits third to the left of O. M sits to the immediate right of O. How many people sit between N and I?

- Ans**
- ☒ 1. Three
 - ☐ 2. One
 - ☐ 3. Four
 - ☐ 4. Two

Q.21 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

WXA UWB SVC QUD OTE ?

- Ans**
- ☐ 1. MRF
 - ☐ 2. LRF
 - ☒ 3. MSF
 - ☐ 4. MRE

Q.22 Suresh starts from Point Y and drives 25 km towards south. He then takes a left turn, drives 7 km. He then turns right and drives 5 km. He takes a final right turn, drives 7 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 30 km towards north
 - ☐ 2. 7 km towards west
 - ☐ 3. 14 km towards south
 - ☐ 4. 25 km towards east



Q.23 ORJN is related to ILDH in a certain way based on the English alphabetical order. In the same way, MPHL is related to GJBF. To which of the given options is TWOS related, following the same logic?

- Ans**
- ☐ 1. QNMI
 - ☐ 2. QNIM
 - ☐ 3. NQMI
 - ☒ 4. NQIM

Q.24 A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits second to the right of A. G sits second to the right of B. C is the immediate neighbour of E and G. D sits second to the right of E. How many people sit between F and E when counted from the left of E?

- Ans**
- ☐ 1. Five
 - ☐ 2. Three
 - ☐ 3. Four
 - ☒ 4. Two

Q.25 If 1 is added to each even digit of the number 85624179, find the sum of the digits that are repeated more than once in the new number thus formed.

- Ans**
- ☐ 1. 12
 - ☐ 2. 16
 - ☐ 3. 14
 - ☒ 4. 21

Q.26 What should come in place of the question mark (?) in the given series?

981 982 986 995 1011 ?

- Ans**
- ☐ 1. 1026
 - ☒ 2. 1036
 - ☐ 3. 1021
 - ☐ 4. 1031

Q.27 This question is based on the five, three-digit numbers given below.

(Left) 716 893 279 546 182 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If the given numbers are rearranged in descending order, what is the third digit of the fourth number from the left extreme end?

- Ans**
- ☐ 1. 4
 - ☒ 2. 9
 - ☐ 3. 6
 - ☐ 4. 7

Q.28 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)

- Ans**
- ☒ 1. KO-ON
 - ☐ 2. CG-FG
 - ☐ 3. AE-DE
 - ☐ 4. SW-VW



Q.29 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

9, 108

16, 192

Ans  1. 14, 154

 2. 6, 66

 3. 12, 162

 4. 11, 132

Q.30 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans  1. FMH

 2. KRM

 3. DKE

 4. HOJ





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सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	11/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Why is legal enforceability of rules important in a society?

- Ans**
- ☒ 1. It provides assurance that others will follow the rules.
 - ☐ 2. To punish minorities
 - ☐ 3. It gives power to the police only.
 - ☐ 4. So people can break them without fear

Q.2 Which body acts as the apex at the district level in Panchayati Raj?

- Ans**
- ☒ 1. Zilla Parishad
 - ☐ 2. Panchayat Samiti
 - ☐ 3. Municipal Corporation
 - ☐ 4. Gram Panchayat

Q.3 Where was the 55th World Economic Forum Annual Meeting, 2025, held?

- Ans**
- ☐ 1. Belgium
 - ☐ 2. Brazil
 - ☒ 3. Switzerland
 - ☐ 4. Peru

Q.4 Which river in Jammu and Kashmir has the world's highest railway bridge built over it?

- Ans**
- ☐ 1. Jhelum
 - ☒ 2. Chenab
 - ☐ 3. Ravi
 - ☐ 4. Beas

Q.5 Which of the following Directive Principles of State Policy was added by the Forty-fourth Amendment Act, 1978?

- Ans**
- ☐ 1. Protection and improvement of the environment and wildlife
 - ☐ 2. Provision for free legal aid to the poor
 - ☐ 3. Participation of workers in industrial management
 - ☒ 4. Reduction of inequalities in income and status among individuals and groups



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Q.6 Identify the language which is primarily spoken in the state of Mizoram in India from the options below.

- Ans**
- ☐ 1. Lushai
 - ☐ 2. Nissi
 - ☐ 3. Ao
 - ☒ 4. Mizo

Q.7 How does the use of renewable energy contribute to sustainable development?

- Ans**
- ☐ 1. It rapidly depletes natural ecosystems.
 - ☐ 2. It provides unlimited profits to energy companies.
 - ☐ 3. It increases dependency on fossil fuels.
 - ☒ 4. It reduces environmental pollution and conserves resources.

Q.8 What is the name of the genome-edited rice variety developed to improve yield and productivity in May 2025?

- Ans**
- ☐ 1. Malaviya Manila Sinchit Dhan-1 and Pusa Basmati 1121
 - ☐ 2. IR64 and Swarna Sub1
 - ☐ 3. Samba Mahsuri and MTU 1010
 - ☒ 4. DRR Dhan 100 (Kamala) and Pusa DST Rice 1

Q.9 Which colonial policy is often blamed for the decline of India's traditional handicraft industries?

- Ans**
- ☐ 1. Zamindari system
 - ☐ 2. Green revolution
 - ☐ 3. Doctrine of lapse
 - ☒ 4. De-industrialisation policy

Q.10 Which is the deadliest species of Plasmodium that causes malaria in humans?

- Ans**
- ☐ 1. Plasmodium inui
 - ☐ 2. Plasmodium ovale
 - ☐ 3. Plasmodium knowlesi
 - ☒ 4. Plasmodium falciparum

Q.11 Which of the following statements correctly distinguishes between the Cabinet and the Council of Ministers?

- Ans**
- ☐ 1. The Cabinet is not part of the executive, but the Council is part of the executive
 - ☐ 2. The Cabinet is larger and includes all ministers, while the Council is a smaller group
 - ☒ 3. The Cabinet includes senior ministers, while the Council includes all categories of ministers
 - ☐ 4. The Council of Ministers does not include the Prime Minister

Q.12 The Immigration and Foreigners Bill 2025, repeals which of the following Acts?

- Ans**
- ☐ 1. The Immigration (Carriers Liability) Amendment Act, 2005
 - ☐ 2. The Emigration Act, 1983
 - ☒ 3. The Passport (Entry into India) Act, 1920
 - ☐ 4. The Foreign Contribution (Regulation) Act, 2010

Q.13 Which of the following is a characteristic of primary memory in a computer?

- Ans**
- ☐ 1. It is slower than secondary memory.
 - ☐ 2. It is used to back up files externally.
 - ☐ 3. It stores data permanently.
 - ☒ 4. It holds data temporarily for quick access during processing.



Q.14 What is the area around the equator called where the trade winds from both hemispheres converge?

- Ans**
- ☐ 1. Polar Front
 - ☐ 2. Subtropical High
 - ☐ 3. Horse Latitudes
 - ☒ 4. Inter-Tropical Convergence Zone (ITCZ)

Q.15 Which neighbouring country of India is an island nation in the Indian Ocean?

- Ans**
- ☒ 1. Maldives
 - ☐ 2. Nepal
 - ☐ 3. Myanmar
 - ☐ 4. Bhutan

Q.16 Which of the following is an example of an operating system commonly used on laptops?

- Ans**
- ☐ 1. Microsoft Word
 - ☐ 2. Adobe Photoshop
 - ☒ 3. Windows 11
 - ☐ 4. Google Chrome

Q.17 What feature of Indus Valley town planning indicates advanced civic amenities and engineering skills of the civilisation?

- Ans**
- ☐ 1. Underground railways
 - ☒ 2. Drainage systems
 - ☐ 3. Temples
 - ☐ 4. Rock-cut caves

Q.18 What was India's rank in the Global Gender Gap Report, 2025?

- Ans**
- ☐ 1. 130th out of 147 nations
 - ☒ 2. 131st out of 148 nations
 - ☐ 3. 129th out of 148 nations
 - ☐ 4. 135th out of 150 nations

Q.19 With which country did India conduct a joint military exercise called 'Cyclone-III' at Mahajan Field Firing Range in Rajasthan in February 2025?

- Ans**
- ☐ 1. Singapore
 - ☐ 2. France
 - ☒ 3. Egypt
 - ☐ 4. Japan

Q.20 Which public sector organisation is the largest provider of surface transport services in India?

- Ans**
- ☐ 1. Shipping Corporation of India
 - ☐ 2. National Highways Authority of India (NHAI)
 - ☒ 3. Indian Railways
 - ☐ 4. State Transport Corporation



Q.21 Which of the following Articles of the Indian Constitution defines the money bill?

Ans  1. Article 112

 2. Article 110

 3. Article 117

 4. Article 105

Q.22 The term 'License Raj' is related to which sector of the Indian economy?

Ans  1. Services

 2. Foreign Trade

 3. Industry

 4. Agriculture

Q.23 Who was sworn in as the Minister of Education, Women and Child Development in the 2025 Delhi cabinet?

Ans  1. Meenakshi Lekhi

 2. Manjinder Singh Sirsa

 3. Rekha Gupta

 4. Ashish Sood

Q.24 In May 2025, an Indian medical team contributed to an international study demonstrating that AI can predict life-threatening heart arrhythmias up to two weeks in advance. Which condition was the AI model primarily designed to predict?

Ans  1. Fast Ventricular Tachycardia

 2. Bradycardia

 3. Heart Block

 4. Atrial Fibrillation

Q.25 In May 2025, who took charge as the new Vice Chief of the Air Staff?

Ans  1. Air Marshal Vijay Kumar Garg

 2. Air Marshal Narmdeshwar Tiwari

 3. Air Marshal Sujeet Pushpakar Dharkar

 4. Air Marshal Nagesh Kapoor

Q.26 Who among the following was arrested and imprisoned for refusing to give evidence against Aurobindo Ghosh in the Bande Mataram conspiracy case?

Ans  1. Garimella Satyanarayana

 2. Kanaiyalal Maneklal Munshi

 3. Bipin Chandra Pal

 4. Peer Ali Khan

Q.27 Which team did the United States defeat to win the gold medal at the 2025 International Ice Hockey Federation (IIHF) World Championship?

Ans  1. Switzerland

 2. Canada

 3. Sweden

 4. Finland

Q.28 The Devi Movement took place in which of the following regions of India?

Ans  1. Western Maharashtra

 2. North Gujarat

 3. South Gujarat

 4. Eastern Madhya Pradesh



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Q.29 Why is the iron and steel industry called a basic industry?

- Ans**
- ✓ 1. Because it provides essential raw materials, machinery, and tools to a wide range of other industries
 - ✗ 2. Because it processes naturally available iron ores
 - ✗ 3. Because it mainly produces household consumer items
 - ✗ 4. Because it provides raw materials for other industries

Q.30 In February 2021, which of the following was amended, enabling the Ministry of Road Transport and Highways to also look after the development of Ropeways and Alternate Mobility Solutions?

- Ans**
- ✗ 1. Government of India (Allocation of Business) Rules 1951
 - ✗ 2. Government of India (Allocation of Business) Rules 1981
 - ✓ 3. Government of India (Allocation of Business) Rules 1961
 - ✗ 4. Government of India (Allocation of Business) Rules 1971

Q.31 Where is the Genome India data officially hosted during its launch in 2025?

- Ans**
- ✗ 1. National Genome Archive
 - ✗ 2. HealthTech Data Repository
 - ✗ 3. Indian Science Informatics Centre
 - ✓ 4. Indian Biological Data Centre

Q.32 What is the focus of the Scheme of Human Resources Development in Sports?

- Ans**
- ✓ 1. Training and development of sports professionals
 - ✗ 2. Building swimming pools for agile swimmers
 - ✗ 3. Construction of gyms in every part of India
 - ✗ 4. Establishing fitness clubs for youngsters

Q.33 Which of the following locations was among the venues that hosted the inaugural Khelo India Beach Games in 2025?

- Ans**
- ✓ 1. Diu
 - ✗ 2. Chennai
 - ✗ 3. Kochi
 - ✗ 4. Goa

Q.34 What does privatisation mean in the Indian economic context?

- Ans**
- ✗ 1. Giving more subsidies to farmers
 - ✗ 2. Making all jobs government-based
 - ✗ 3. Nationalising all banks
 - ✓ 4. Selling government companies to private companies

Q.35 In January 2025, how many sportspeople were awarded with the Major Dhyan Chand Khel Ratna Award for the year 2024?

- Ans**
- ✗ 1. 03
 - ✓ 2. 04
 - ✗ 3. 06
 - ✗ 4. 05

Q.36 Which of the following continents is located entirely in the Southern Hemisphere?

- Ans**
- ✗ 1. South America
 - ✓ 2. Australia
 - ✗ 3. Africa
 - ✗ 4. Europe



Q.37 Which of the following Vedas mentions the names of some learned ladies like Viswavara, Apala and Ghosa who composed mantras and attained the rank of Rishis?

- Ans**
- ☒ 1. The Rigveda
 - ☐ 2. The Samaveda
 - ☐ 3. The Yajurveda
 - ☐ 4. The Atharvaveda

Q.38 Which of the following elements is found in the p-block?

- Ans**
- ☐ 1. Barium
 - ☐ 2. Chromium
 - ☒ 3. Nitrogen
 - ☐ 4. Sodium

Q.39 What is the phenomenon called when a wire passes through a block of ice without splitting it and the water refreezes after the wire passes?

- Ans**
- ☐ 1. Fusion
 - ☐ 2. Condensation
 - ☒ 3. Regelation
 - ☐ 4. Sublimation

Q.40 Who among the following promoted, raised funds for and ran the Swadeshi Steam Navigation Company (SSNCo) from Tuticorin, a coastal town in southern Tamil Nadu, to take on the might of the British India Steam Navigation Company?

- Ans**
- ☐ 1. Garimella Satyanarayana
 - ☐ 2. Velu Nachiyar
 - ☐ 3. Alluri Sitarama Raju
 - ☒ 4. VO Chidambaram Pillai

Section : Mathematics

Q.1 If the 6-digit number N29M11 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans**
- ☒ 1. $M - N = 7$
 - ☐ 2. $M = N$
 - ☐ 3. $M - N = 1$
 - ☐ 4. $M + N = -7$

Q.2 A cylinder has its radius reduced by 20% while its height is increased by 40%. What is the percentage change in its volume?

- Ans**
- ☒ 1. 10.4% decrease
 - ☐ 2. No increase or decrease
 - ☐ 3. 14.2% increase
 - ☐ 4. 12% increase

Q.3 The average of first 154 even numbers is

- Ans**
- ☐ 1. 156
 - ☐ 2. 154.5
 - ☒ 3. 155
 - ☐ 4. 155.5



Q.4 By availing two successive discounts of 20% and 10%, a customer got a discount of ₹23,800. Determine the marked price of the item.

- Ans**
- ☐ 1. ₹75,000
 - ☐ 2. ₹80,000
 - ☐ 3. ₹90,000
 - ☒ 4. ₹85,000

Q.5 Given that $103^{0.2} = x$, $103^{0.43} = y$ and $x^z = y^6$, then the value of z is close to:

- Ans**
- ☒ 1. 12.9
 - ☐ 2. 11.74
 - ☐ 3. 12.45
 - ☐ 4. 14.16

Q.6 4 years ago, the age of a father was 37 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans**
- ☐ 1. 31
 - ☒ 2. 33
 - ☐ 3. 30
 - ☐ 4. 35

Q.7 ABCD is a quadrilateral in which $AB \parallel DC$, and E and F are the mid points of the diagonals AC and BD, respectively. If $AB = 45$ cm, $BC = 96$ cm, $DC = 53$ cm, and $AD = 37$ cm, then what is the length (in cm) of EF?

- Ans**
- ☒ 1. 4
 - ☐ 2. 3
 - ☐ 3. 7
 - ☐ 4. 5

Q.8 Mohan and Nishant start a business. Mohan invests ₹89,000 more than Nishant for 3 months and Nishant invests for 2 months. Mohan's share is ₹1,070 more than that of Nishant, out of a total profit of ₹4,280. Find the capital contributed by Mohan.

- Ans**
- ☐ 1. ₹8,60,000
 - ☐ 2. ₹8,10,000
 - ☒ 3. ₹8,90,000
 - ☐ 4. ₹8,20,000

Q.9 A number, when increased by 100%, gives 2800. The number is:

- Ans**
- ☒ 1. 1400
 - ☐ 2. 2800
 - ☐ 3. 700
 - ☐ 4. 4200

Q.10 Simplify $x(7x - 4) + 2(x^2 - 2) + 11$.

- Ans**
- ☒ 1. $9x^2 - 4x + 7$
 - ☐ 2. $9x^2 - 4x - 7$
 - ☐ 3. $-9x^2 - 4x - 7$
 - ☐ 4. $-9x^2 - 4x + 7$



Q.11 Simplify: $\frac{\cos \alpha}{1 - \sin \alpha} - \frac{1 + \sin \alpha}{\cos \alpha}$

- Ans
- ☐ 1. $\sin^2 \alpha$
 - ☐ 2. $\cos^2 \alpha$
 - ☐ 3. 1
 - ☒ 4. 0

Q.12 Find the simple interest (in ₹) on ₹4,000 at 7.5% per annum rate of interest deposited on 12 February 2024 and withdrawn on 13 April 2024.

- Ans
- ☐ 1. 51
 - ☐ 2. 49
 - ☐ 3. 48
 - ☒ 4. 50

Q.13 Evaluate 182^2 .

- Ans
- ☐ 1. 33084
 - ☐ 2. 33074
 - ☐ 3. 33094
 - ☒ 4. 33124

Q.14 The population of a district is 356000, out of which 178000 are males. 39% of the population is literate. If 59% males are literate, then what percentage of females are literate?

- Ans
- ☐ 1. 16%
 - ☐ 2. 17%
 - ☐ 3. 21%
 - ☒ 4. 19%

Q.15 An amount of ₹638 is divided among three persons in the ratio of 5 : 17 : 7. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans
- ☐ 1. 331
 - ☒ 2. 264
 - ☐ 3. 170
 - ☐ 4. 190

Q.16 The number of prime numbers lying between 393 and 401, both included, is:

- Ans
- ☐ 1. 1
 - ☐ 2. 3
 - ☐ 3. 7
 - ☒ 4. 2

Q.17 The number 956169 is divisible by which of the following?

- Ans
- ☒ 1. 3
 - ☐ 2. 12
 - ☐ 3. 2
 - ☐ 4. 4



Q.18 The sum of the squares of two consecutive even natural numbers is 1460. The sum of the numbers is:

- Ans
- ☐ 1. 56
 - ☐ 2. 58
 - ☒ 3. 54
 - ☐ 4. 60

Q.19 If 40% of first number is equal to two-sevenths of second number, what is the ratio of first number to the second number?

- Ans
- ☒ 1. 5 : 7
 - ☐ 2. 4 : 8
 - ☐ 3. 1 : 9
 - ☐ 4. 8 : 4

Q.20 An article is marked at ₹4,000. Two successive discounts of 25% and 20% are given. What is the final price?

- Ans
- ☐ 1. ₹2,500
 - ☒ 2. ₹2,400
 - ☐ 3. ₹2,560
 - ☐ 4. ₹2,600

Q.21 A cylindrical rod has an outer curved surface area of 2200 cm^2 . If the length of the rod is 16 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

$\left(\text{Take } \pi = \frac{22}{7} \right)$

- Ans
- ☐ 1. 23.95
 - ☒ 2. 21.88
 - ☐ 3. 23.29
 - ☐ 4. 21.09

Q.22 A man walks to a viewpoint and returns to the starting point by his car maintaining constant speed and thus takes a total time of 5 hours 30 minutes. He would have gained 3 hours by driving both ways. How long would it have taken for him to walk both ways with same walking speed?

- Ans
- ☐ 1. 7 hours 15 minutes
 - ☒ 2. 8 hours 30 minutes
 - ☐ 3. 8 hours 45 minutes
 - ☐ 4. 9 hours 30 minutes

Q.23 The selling price of 50 books is equal to the cost price of 19 books. Find the loss or gain percentage.

- Ans
- ☐ 1. $\frac{100}{31} \% \text{ gain}$
 - ☐ 2. 62% gain
 - ☒ 3. 62% loss
 - ☐ 4. $\frac{100}{31} \% \text{ loss}$



Q.24 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 74 kg and 36 kg is:

- Ans
- ☐ 1. 52
 - ☐ 2. 50
 - ☒ 3. 51
 - ☐ 4. 53

Q.25 The number 861616843 is divisible by which of the following?

- Ans
- ☒ 1. 43
 - ☐ 2. 36
 - ☐ 3. 50
 - ☐ 4. 47

Q.26 Find the simple interest (in ₹) if a sum of ₹400 is borrowed for 5.5 years at 16% per annum rate of interest.

- Ans
- ☐ 1. 452
 - ☐ 2. 402
 - ☒ 3. 352
 - ☐ 4. 332

Q.27 Lokesh and Manoj can complete a certain piece of work in 11 and 15 days, respectively. They started to work together, and after 5 days, Manoj left. In how many days will Lokesh complete the remaining work?

- Ans
- ☒ 1. $2\frac{1}{3}$
 - ☐ 2. $2\frac{2}{3}$
 - ☐ 3. $7\frac{2}{3}$
 - ☐ 4. $7\frac{1}{3}$

Q.28 Pipe A can fill a tank in 11 hours, pipe B can fill the same tank in 26 hours and pipe C can fill the same tank in 12 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ☐ 1. $11\frac{256}{365}$ hours
 - ☐ 2. $7\frac{256}{365}$ hours
 - ☐ 3. $10\frac{256}{365}$ hours
 - ☒ 4. $4\frac{256}{365}$ hours

Q.29 Yash travels 252 km at 63 km/hr, the next 891 km at 99 km/hr and the next 183 km at 61 km/hr. What is his average speed (in km/hr) for the whole journey? (Round off your answer to two decimal places)

- Ans
- ☐ 1. 88.59
 - ☐ 2. 84.55
 - ☒ 3. 82.88
 - ☐ 4. 79.83



Q.30 Himanshi bought a toy for ₹199, decorated it at a cost of ₹9, and sold the toy for ₹231. Find the loss or gain percentage.

- Ans**
- ☒ 1. $\frac{585}{52}\%$ loss
 - ☒ 2. $\frac{575}{52}\%$ loss
 - ☒ 3. $\frac{575}{52}\%$ profit
 - ☒ 4. 575% profit

Section : General Intelligence and Reasoning

Q.1 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order.
B is kept second from the bottom. Only three boxes are kept between B and E. C is kept at one of the positions below B. Only A is kept between E and F. G is kept at one of the positions above E.
How many boxes are kept between C and D?

- Ans**
- ☒ 1. 3
 - ☒ 2. 4
 - ☒ 3. 1
 - ☒ 4. 2

Q.2 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?

$$99 \text{ A } 9 \text{ C } 12 \text{ B } 2 \text{ D } 16 = ?$$

- Ans**
- ☒ 1. 26
 - ☒ 2. 12
 - ☒ 3. 35
 - ☒ 4. 19

Q.3 H, I, J, K, U, V and W are sitting around a circular table facing the centre of the table. V sits to the immediate left of I. H sits to the immediate left of J. J sits second to the left of K. W sits third to the left of I. Who sits third to the right of U?

- Ans**
- ☒ 1. W
 - ☒ 2. H
 - ☒ 3. K
 - ☒ 4. V

Q.4 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ZWR VSN ROJ NKF ?

- Ans**
- ☒ 1. JGB
 - ☒ 2. JHA
 - ☒ 3. JGA
 - ☒ 4. JHB

Q.5 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GDB OLJ WTR EBZ ?

- Ans**
- ☒ 1. MHJ
 - ☒ 2. HMJ
 - ☒ 3. HJM
 - ☒ 4. MJH



Q.6 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only A is kept above D. Only E is kept between D and F. Only B is kept below G. How many boxes are kept below F?

- Ans**
- ☒ 1. 3
 - ☐ 2. 1
 - ☐ 3. 4
 - ☐ 4. 2

Q.7 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. UNR
 - ☐ 2. QJM
 - ☐ 3. WPS
 - ☐ 4. SLO

Q.8 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) # © 8 4 5 % % 3 8 2 8 2 9 4 £ & % © # £ 1 * (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☐ 1. 1
 - ☐ 2. 3
 - ☐ 3. 4
 - ☒ 4. 2

Q.9 In a certain code language, 'life is good' is coded as 'tu ro na' and 'she loves life' is coded as 'ko ie na'. How is 'life' coded in the given language?

- Ans**
- ☐ 1. ie
 - ☐ 2. ko
 - ☐ 3. tu
 - ☒ 4. na

Q.10 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. IEK
 - ☐ 2. LHN
 - ☒ 3. NJO
 - ☐ 4. FBH

Q.11 Suman ranked 22nd from the top and 13th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 32
 - ☒ 2. 34
 - ☐ 3. 33
 - ☐ 4. 31



Q.12 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 6 & 3 * # 2 @ 4 # 1 & 8 £ Ω 5 * \$ 7 % 9 (Right)

How many such symbols are there, each of which is immediately preceded by an odd number but NOT immediately followed by an even number?

- Ans
- ☒ 1. None
 - ☒ 2. One
 - ☒ 3. Three
 - ☒ 4. Two

Q.13 If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

49 A 7 C 24 D 8 B 2 = ?

- Ans
- ☒ 1. 21
 - ☒ 2. 37
 - ☒ 3. 15
 - ☒ 4. 28

Q.14 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

CUTS - UCTS - CTSU
AVID - VAID - AIDV

- Ans
- ☒ 1. PLAY - LPAY - PAYL
 - ☒ 2. LOAD - OLAD - DOAL
 - ☒ 3. JUTE - UJTE - UTEJ
 - ☒ 4. RACK - RCAF - KCAR

Q.15 Six people, L, M, N, O, P and Q are sitting in a row, facing north. Only two people sit to the right of P. Q sits second to the left of M. N is not an immediate neighbour of M. O sits on the immediate right of P. Who sits to the immediate right of L?

- Ans
- ☒ 1. M
 - ☒ 2. N
 - ☒ 3. Q
 - ☒ 4. P

Q.16 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. INN
 - ☒ 2. NRS
 - ☒ 3. UYZ
 - ☒ 4. JNO

Q.17 Ram started from Point A and walked 5 km towards the east, and then, after turning to his right, walked 4 km. He then turned to his right and walked 5 km. Again, he turned to his right and walked 5 km to stop at Point P. In which direction should he walk to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans
- ☒ 1. North
 - ☒ 2. South
 - ☒ 3. East
 - ☒ 4. West



Q.18 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some paintings are frame.

All frames are decoratives.

Conclusions:

(I) Some paintings are decoratives.

(II) All decoratives are frame.

- Ans**
- ✓ 1. Only conclusion (I) follows.
 - ✗ 2. Neither conclusion (I) nor (II) follows.
 - ✗ 3. Only conclusion (II) follows.
 - ✗ 4. Both conclusions (I) and (II) follow.

Q.19 What should come in place of the question mark (?) in the given series?

22 26 32 40 50 ?

- Ans**
- ✓ 1. 62
 - ✗ 2. 70
 - ✗ 3. 76
 - ✗ 4. 84

Q.20 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

BI-EK-GJ

EL-HN-JM

- Ans**
- ✗ 1. HO-KQ-NP
 - ✗ 2. GO-KQ-NP
 - ✗ 3. GO-LQ-NP
 - ✓ 4. HO-KQ-MP

Q.21 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: Some Indians are Americans. Some Americans are Chinese.

Conclusions (I): No Chinese is an American.

Conclusions (II): All Indians are Chinese.

- Ans**
- ✗ 1. Only conclusion (I) follows.
 - ✓ 2. Neither conclusion (I) nor (II) follows.
 - ✗ 3. Only conclusion (II) follows.
 - ✗ 4. Both conclusions (I) and (II) follow.

Q.22 What should come in place of the question mark (?) in the given series?

59 , 60 , 64 , 73 , 89 , ?

- Ans**
- ✗ 1. 113
 - ✓ 2. 114
 - ✗ 3. 116
 - ✗ 4. 115



Q.23 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$63 \text{ A } 7 \text{ C } 18 \text{ D } 8 \text{ B } 2 = ?$$

- Ans**
- ☒ 1. 18
 - ☒ 2. 26
 - ☒ 3. 11
 - ☒ 4. 5

Q.24 Rouf starts from Point A and drives 4 km towards South. He then takes a left turn, drives 9 km, turns left and drives 8 km. He then takes a left turn and drives 16 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 5 km to the West
 - ☒ 2. 4 km to the South
 - ☒ 3. 6 km to the South
 - ☒ 4. 7 km to the East

Q.25 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
16, 47
24, 71

- Ans**
- ☒ 1. 15, 62
 - ☒ 2. 35, 104
 - ☒ 3. 27, 101
 - ☒ 4. 12, 45

Q.26 Each of the digits in the number 9238471 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ 1. 6
 - ☒ 2. 8
 - ☒ 3. 10
 - ☒ 4. 7

Q.27 What should come in place of the question mark (?) in the given series?

$$81 \text{ ? } 36 \text{ 21 } 11 \text{ 6}$$

- Ans**
- ☒ 1. 48
 - ☒ 2. 54
 - ☒ 3. 56
 - ☒ 4. 52

Q.28 In a certain code language, 'YORK' is coded as '0834' and 'KRAY' is coded as '3458'. What is the code for 'A' in the given code language?

- Ans**
- ☒ 1. 3
 - ☒ 2. 8
 - ☒ 3. 4
 - ☒ 4. 5



Q.29 FRUZ is related to IVXD in a certain way based on the English alphabetical order. In the same way, RHGP is related to ULJT. To which of the given options is ATPB related, following the same logic?

- Ans**
-  1. DESW
 -  2. DXSF
 -  3. DFSE
 -  4. DXFS

Q.30 In a certain code language,
A + B means 'A is the daughter of B'
A – B means 'A is the father of B'
A × B means 'A is the son of B'
A ÷ B means 'A is the sister of B'
Based on the above, how is Q related to D if 'Q + E – R × C ÷ D'?

- Ans**
-  1. Mother
 -  2. Daughter
 -  3. Sister
 -  4. Sister's daughter





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	12/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following Articles deals with the citizenship of people of Indian origin residing outside India?

- Ans**
- ☒ 1. Article 8
 - ☐ 2. Article 11
 - ☐ 3. Article 7
 - ☐ 4. Article 9

Q.2 The Indian handicraft industry suffered significant decline under colonial economic policies. What was a major reason for the decline of Indian handicrafts during British rule?

- Ans**
- ☐ 1. Environmental degradation
 - ☐ 2. Rise of Indian industry
 - ☒ 3. Influx of machine-made British goods
 - ☐ 4. Lack of domestic demand

Q.3 Which of the following countries does NOT share a land border with India?

- Ans**
- ☒ 1. Sri Lanka
 - ☐ 2. Afghanistan
 - ☐ 3. China
 - ☐ 4. Myanmar

Q.4 What is the primary goal of the Indian government's Bhashini project?

- Ans**
- ☒ 1. To create a multilingual AI platform for real-time translation among Indian languages
 - ☐ 2. To establish a national database of dialects
 - ☐ 3. To develop a new programming language for Indian developers
 - ☐ 4. To digitise ancient Indian manuscripts

Q.5 What was India's Human Development Index (HDI) value in the 2025 UNDP report?

- Ans**
- ☐ 1. 0.690
 - ☐ 2. 0.676
 - ☒ 3. 0.685
 - ☐ 4. 0.700



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Q.6 Which desktop element in Windows displays system notifications, date and time, and background apps status?

- Ans**
- ☐ 1. File Explorer
 - ☒ 2. Notification Area
 - ☐ 3. Start Menu
 - ☐ 4. Control Panel

Q.7 Article 323B of the Constitution of India (added by the 42nd Amendment) empowers the Parliament to establish tribunals for adjudication of matters related to certain subjects. Which of the following matters is specifically covered under Article 323B?

- Ans**
- ☒ 1. Matters such as taxation, foreign exchange, land reforms, etc., which can be assigned to tribunals by legislation
 - ☐ 2. Appointment of Supreme Court judges
 - ☐ 3. Recruitment and service conditions of public servants (civil services)
 - ☐ 4. Only industrial disputes between employers and workers

Q.8 Which sector(s) employed the largest share of the working population in India on the eve of independence?

- Ans**
- ☐ 1. Secondary sector
 - ☒ 2. Primary sector
 - ☐ 3. Both tertiary and secondary sectors
 - ☐ 4. Tertiary sector

Q.9 Impulse is defined as _____.

- Ans**
- ☐ 1. rate of change of force
 - ☐ 2. change in displacement
 - ☐ 3. product of mass and velocity
 - ☒ 4. product of force and time

Q.10 The First Battle of Panipat was fought in 1526, replacing the Lodi Dynasty with Mughal rule in India. It was fought between Ibrahim Lodi and _____.

- Ans**
- ☐ 1. Shah Jahan
 - ☐ 2. Akbar
 - ☐ 3. Aurangzeb
 - ☒ 4. Babar

Q.11 Which state government introduced the Drone Promotion and Utilisation Policy, 2025?

- Ans**
- ☒ 1. Madhya Pradesh
 - ☐ 2. Jharkhand
 - ☐ 3. Punjab
 - ☐ 4. Odisha

Q.12 Which leader played the most crucial role in integrating princely states into India post-independence?

- Ans**
- ☐ 1. BR Ambedkar
 - ☒ 2. Sardar Vallabhbhai Patel
 - ☐ 3. Jawaharlal Nehru
 - ☐ 4. Subhas Chandra Bose

Q.13 Which of the following was the objective of the law enacted in 1856 in India?

- Ans**
- ☐ 1. Banning of child labour
 - ☐ 2. Abolition of caste system
 - ☐ 3. Temple entry for Shudras
 - ☒ 4. Legalising widow remarriage



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Q.14 What was the theme of the IAS-DARPG India Conference held in New Delhi in February 2025?

- Ans**
- ☒ 1. Digital Transformation in Governance – Empowering Citizens and Reaching the Last Mile
 - ☒ 2. Next Generation Administrative Reforms – Empowering Citizens and Reaching the Last Mile
 - ☐ 3. Innovations in Public Policy
 - ☐ 4. Strengthening Federal Structures

Q.15 Which Act first created the position of a Governor-General of India with civil and military authority?

- Ans**
- ☒ 1. Charter Act 1833
 - ☐ 2. Regulating Act
 - ☐ 3. Government of India Act 1858
 - ☐ 4. Pitt's India Act

Q.16 Which level of government generally legislates on matters such as police, public health and agriculture in India?

- Ans**
- ☐ 1. Union Government
 - ☒ 2. State Legislatures
 - ☐ 3. Inter-State Council
 - ☐ 4. Local Bodies

Q.17 In which northeastern state was the Hornbill Festival held with record participation in December 2024?

- Ans**
- ☒ 1. Nagaland
 - ☐ 2. Meghalaya
 - ☐ 3. Manipur
 - ☐ 4. Assam

Q.18 By what year is the India-UK FTA expected to be fully implemented?

- Ans**
- ☐ 1. 2027
 - ☐ 2. 2025
 - ☐ 3. 2030
 - ☒ 4. 2026

Q.19 Which version of the skill development scheme, launched by the government and implemented from FY 2022 to 2026, aims to provide free training to rural youth in India?

- Ans**
- ☐ 1. Skill India 3.0
 - ☒ 2. Pradhan Mantri Kaushal Vikas Yojana 2.0
 - ☐ 3. Pradhan Mantri Kaushal Vikas Yojana 4.0
 - ☐ 4. Deen Dayal Upadhyaya Grameen Kaushalya Yojana 2.0

Q.20 Which Indian relay team set a national record in the 4x100m event at the National Relay Carnival 2025?

- Ans**
- ☐ 1. Gurindervir Singh, Animesh Kujur, Manikanta H, Amiya Mallick
 - ☒ 2. Gurindervir Singh, Animesh Kujur, Manikanta H, Amlan Borgohain
 - ☐ 3. Srabani Nanda, Dutee Chand, Hima Das, Archana Suseendran
 - ☐ 4. Amiya Mallick, Mohammed Anas, Noah Nirmal Tom, Rajesh Ramesh



Q.21 Which of the following is a small hand-held pointing device that controls the two-dimensional movement of the cursor on a screen?

- Ans**
- ☒ 1. Mouse
 - ☐ 2. Scanner
 - ☐ 3. Touchscreen
 - ☐ 4. Keyboard

Q.22 Article 6 of the Constitution pertains to the citizenship of persons who migrated to India from which of the following territories?

- Ans**
- ☒ 1. Pakistan
 - ☐ 2. Sri Lanka
 - ☐ 3. Bangladesh
 - ☐ 4. Myanmar

Q.23 Which of the following administrative features was common to both Pallava and Pandya kingdoms?

- Ans**
- ☐ 1. Rule by elected monarchs
 - ☐ 2. Division of the kingdom into Mandalams and Nadus
 - ☐ 3. Abolition of land revenue taxes
 - ☒ 4. Village assemblies were called Sabha and Ur

Q.24 How many total Sustainable Development Goals (SDGs) were adopted at the United Nations Sustainable Development Summit in New York in September 2015?

- Ans**
- ☐ 1. 15
 - ☐ 2. 16
 - ☒ 3. 17
 - ☐ 4. 18

Q.25 Which of the following is a feature of the Eastern Coastal Plain of India?

- Ans**
- ☒ 1. Wider and formed by alluvial deposits
 - ☐ 2. Presence of numerous estuaries
 - ☐ 3. Located between the Western Ghats and the Arabian Sea
 - ☐ 4. Narrow and rocky

Q.26 Which of the following Indian organisations successfully conducted the combat firing of the Multi-Influence Ground Mine (MIGM) in May 2025?

- Ans**
- ☐ 1. Hindustan Aeronautics Limited and Indian Air Force
 - ☒ 2. Defence Research and Development Organisation and Indian Navy
 - ☐ 3. Indian Space Research Organisation and Indian Army
 - ☐ 4. Bharat Dynamics Limited and Indian Coast Guard

Q.27 Kathputli is a traditional puppet show of which of the following Indian states?

- Ans**
- ☒ 1. Rajasthan
 - ☐ 2. Assam
 - ☐ 3. Odisha
 - ☐ 4. Kerala

Q.28 As per the Ministry of Agriculture data from 1950–51 to 2014–15, which land use category in India has shown a declining trend?

- Ans**
- ☐ 1. Net sown area
 - ☐ 2. Forest area
 - ☒ 3. Barren and wasteland
 - ☐ 4. Area under non-agriculture



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Q.29 In which year did Andre-Marie Ampère publish his magnum opus ‘Mathematical Theory of Electrodynamical Phenomena Deduced Solely from Experiments’?

- Ans**
- ☐ 1. 1833
 - ☒ 2. 1827
 - ☐ 3. 1818
 - ☐ 4. 1811

Q.30 Harold C Urey was awarded the Nobel Prize in Chemistry, in 1934:

- Ans**
- ☐ 1. for discovery in the chemistry of the transuranium elements
 - ☒ 2. for the discovery of heavy hydrogen
 - ☐ 3. for the discovery and development of conductive polymers
 - ☐ 4. for the development of the density-functional theory

Q.31 Which of the following instruments is primarily used by the RBI for monetary policy implementation in the post 1991 reform era?

- Ans**
- ☒ 1. Repo rate
 - ☐ 2. Export incentives
 - ☐ 3. Tariff rates
 - ☐ 4. Direct taxes

Q.32 Which economic system dominated India on the eve of independence (in 1947)?

- Ans**
- ☐ 1. Import substitution industrialisation
 - ☒ 2. Colonial agrarian economy
 - ☐ 3. Global free market
 - ☐ 4. Socialist planned economy

Q.33 Which of the following is a discretionary power of the President of India?

- Ans**
- ☐ 1. Dissolving the Lok Sabha without advice
 - ☐ 2. Appointing the Chief Justice of India
 - ☒ 3. Appointing a Prime Minister when no party has a clear majority
 - ☐ 4. Giving assent to a Money Bill

Q.34 The Gulf of Mannar lies between:

- Ans**
- ☐ 1. mainland India and Andaman Islands
 - ☒ 2. India and Sri Lanka
 - ☐ 3. Sri Lanka and Maldives
 - ☐ 4. India and Maldives

Q.35 What is the purpose of the 'Melt and Pour' rule introduced in the DMI&SP Policy 2025?

- Ans**
- ☐ 1. Importing partially processed steel and finishing it domestically qualifies as “domestic”
 - ☐ 2. Steel exports must include documentation of Indian melting processes
 - ☒ 3. Steel used in government-funded projects is completely manufactured in India
 - ☐ 4. Biometric authentication is required at smelting plants for traceability

Q.36 Which important Sikh festival is on 5 November 2025?

- Ans**
- ☐ 1. Baisakhi
 - ☐ 2. Lohri
 - ☒ 3. Guru Nanak Jayanti
 - ☐ 4. Holi



Q.37 Which film won the Best Picture award at the 25th IIFA Awards in 2025?

- Ans**
- ☐ 1. Article 370
 - ☒ 2. Laapataa Ladies
 - ☐ 3. Stree 2
 - ☐ 4. Bhool Bhulaiyaa 3

Q.38 Which Indian space tech startup along with Google launched India's first private satellite constellation?

- Ans**
- ☐ 1. Ship Rocket
 - ☐ 2. Udaan
 - ☐ 3. Livspace
 - ☒ 4. Pixxel

Q.39 The government initiative known as KIRTI, an acronym for Khelo India Rising Talent Identification, was inaugurated in _____.

- Ans**
- ☐ 1. 2023
 - ☒ 2. 2024
 - ☐ 3. 2025
 - ☐ 4. 2022

Q.40 Which Indian city was announced by the global governing body WPA as the host of the 2025 Para Athletics World Championships?

- Ans**
- ☒ 1. New Delhi
 - ☐ 2. Chennai
 - ☐ 3. Bengaluru
 - ☐ 4. Mumbai

Section : Mathematics

Q.1 A man driving a car at a speed of 99 km/hr crosses a bridge in 1.2 minutes. Find the length (in metres) of the bridge.

- Ans**
- ☐ 1. 1970
 - ☒ 2. 1980
 - ☐ 3. 1960
 - ☐ 4. 1950

Q.2 Sapna invested ₹20,900 on simple interest, partly at 9% per annum and partly at 13% per annum. If she earns equal interests from the two investments after 3 years, then find the sum invested at 9% per annum (in ₹).

- Ans**
- ☐ 1. 12,349
 - ☒ 2. 12,350
 - ☐ 3. 12,352
 - ☐ 4. 12,348

Q.3 Rahul, Monika, and Yuvraj invest ₹1,310, ₹1,430, and ₹1,040, respectively, to start a business. If the profit at the end of the year is ₹1,890, then what is the share of Yuvraj in the profit?

- Ans**
- ☐ 1. ₹519
 - ☐ 2. ₹523
 - ☒ 3. ₹520
 - ☐ 4. ₹522



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Q.4 The perimeter of a square is 336 m. Its area (in m^2) is:

- Ans**
- ☐ 1. 7052
 - ☐ 2. 7036
 - ☐ 3. 7057
 - ☒ 4. 7056

Q.5 3 years ago, the age of a father was 21 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans**
- ☒ 1. 18
 - ☐ 2. 23
 - ☐ 3. 15
 - ☐ 4. 21

Q.6 A trader claims to sell vegetables at a profit of 57%, but also dishonestly uses a weight which is 13% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)

- Ans**
- ☒ 1. 80%
 - ☐ 2. 79%
 - ☐ 3. 85%
 - ☐ 4. 75%

Q.7 Which of the following numbers divides 86,16,16,843?

- Ans**
- ☒ 1. 43
 - ☐ 2. 47
 - ☐ 3. 50
 - ☐ 4. 36

Q.8 If the 6-digit number N18M05 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans**
- ☐ 1. $M = N$
 - ☒ 2. $M - N = 2$
 - ☐ 3. $M - N = 1$
 - ☐ 4. $M + N = -2$

Q.9 Which of the following ratios is the greatest?

- Ans**
- ☐ 1. 37 : 76
 - ☐ 2. 43 : 65
 - ☐ 3. 35 : 72
 - ☒ 4. 50 : 60

Q.10 Which of the following statements is correct?

- Ans**
- ☐ 1. A square is a special case of neither a rectangle nor a rhombus.
 - ☐ 2. A square is a special case of a rhombus only.
 - ☒ 3. A square is a special case of both a rectangle and a rhombus.
 - ☐ 4. A square is a special case of a rectangle only.



Q.11 I bought two dresses for ₹1,200. I sold the first one at a loss of 9% and the second at a gain of 18%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first dress.

- Ans
- ☐ 1. 824
 - ☐ 2. 820
 - ☐ 3. 784
 - ☒ 4. 800

Q.12 The simple interest on a certain sum for $3\frac{1}{3}$ years at the rate of 4.2% per annum is ₹5,845.

What will be the amount payable on the same sum at the rate of 6.4% per annum simple interest in $12\frac{1}{2}$ years?

- Ans
- ☐ 1. ₹75,143
 - ☐ 2. ₹75,148
 - ☐ 3. ₹75,131
 - ☒ 4. ₹75,150

Q.13 By how much is 65% of 65 greater than $\frac{1}{5}$ of 45?

- Ans
- ☒ 1. 33.25
 - ☐ 2. 27.25
 - ☐ 3. 30.25
 - ☐ 4. 31.25

Q.14 Find the value of: $[459 \div \{11 + 2 \times (5 - 9)\}]$.

- Ans
- ☒ 1. 153
 - ☐ 2. 155
 - ☐ 3. 152
 - ☐ 4. 154

Q.15 If $\frac{x}{y} = \cot \theta$, where θ is an acute angle, then $\operatorname{cosec} \theta =$ _____.

- Ans
- ☐ 1. $\frac{y}{x}$
 - ☒ 2. $\frac{\sqrt{x^2 + y^2}}{y}$
 - ☐ 3. $\frac{\sqrt{y^2 - x^2}}{y}$
 - ☐ 4. $\frac{\sqrt{x^2 + y^2}}{x}$

Q.16 Pipe P can fill $\frac{3}{4}$ part of a tank in 27 hours, and pipe Q can fill $\frac{2}{3}$ part of the same tank in 12 hours.

Both P and Q were kept open for 6 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans
- ☐ 1. 31 hours
 - ☐ 2. 37 hours
 - ☒ 3. 48 hours
 - ☐ 4. 45 hours



Q.17 What is the area of a triangle with a base of 12 cm and a height of 8 cm?

- Ans
- ☐ 1. 16 cm^2
 - ☐ 2. 24 cm^2
 - ☒ 3. 48 cm^2
 - ☐ 4. 96 cm^2

Q.18 After giving two successive discounts, each of $x\%$ on the marked price of an article, the total discount is ₹18,000. If the marked price of the article is ₹50,000, find the value of x .

- Ans
- ☒ 1. 20
 - ☐ 2. 30
 - ☐ 3. 10
 - ☐ 4. 40

Q.19 The average of first 160 even numbers is

- Ans
- ☐ 1. 161.5
 - ☐ 2. 162
 - ☒ 3. 161
 - ☐ 4. 160.5

Q.20 Pipe A can fill a tank in 18 hours, pipe B can fill the same tank in 21 hours and pipe C can fill the same tank in 16 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ☒ 1. $6\frac{6}{167} \text{ hours}$
 - ☐ 2. $11\frac{6}{167} \text{ hours}$
 - ☐ 3. $7\frac{6}{167} \text{ hours}$
 - ☐ 4. $13\frac{6}{167} \text{ hours}$

Q.21 Which of the following numbers divides 81,42,42,541?

- Ans
- ☒ 1. 7
 - ☐ 2. 12
 - ☐ 3. 8
 - ☐ 4. 15

Q.22 In covering a distance of 30 km, Anmol takes 7 hours more than Nikhil. If Anmol doubles his speed, then he would take 8 hours less than Nikhil. Anmol's speed is:

- Ans
- ☐ 1. 7 km/hr
 - ☒ 2. 1 km/hr
 - ☐ 3. 6 km/hr
 - ☐ 4. 3 km/hr

Q.23 The current population of a town is 12,500. It increases by 52% and 30% in two successive years but decreases by 15% in the third year. What is the population of the town at the end of the third year?

- Ans
- ☒ 1. 20,995
 - ☐ 2. 20,991
 - ☐ 3. 20,990
 - ☐ 4. 20,998



Q.24 The product of two consecutive natural numbers is 702. The greater of the two numbers is:

- Ans**
- ☐ 1. 26
 - ☒ 2. 27
 - ☐ 3. 38
 - ☐ 4. 24

Q.25 The LCM of the numbers 12.8 and 0.004 is:

- Ans**
- ☐ 1. 128
 - ☐ 2. 0.128
 - ☐ 3. 1.28
 - ☒ 4. 12.8

Q.26 A retailer offers the following discount scheme to his customers for the purchase of articles.

'Buy 30 and get 10 free'

Find the discount percentage offered.

- Ans**
- ☐ 1. 26%
 - ☒ 2. 25%
 - ☐ 3. 30%
 - ☐ 4. 28%

Q.27 Find the value of x satisfying: $5(2x^2 - 7) - 2(5x^2 + 8x - 2) = 12$

- Ans**
- ☒ 1. $-\frac{43}{16}$
 - ☐ 2. $-\frac{39}{16}$
 - ☐ 3. $-\frac{53}{16}$
 - ☐ 4. $-\frac{49}{16}$

Q.28 ₹12,300 were divided among A, B and C such that 3 times the share of A = 6 times the share of B = 2 times the share of C. Find the share of A.

- Ans**
- ☒ 1. ₹4,100
 - ☐ 2. ₹3,915
 - ☐ 3. ₹4,063
 - ☐ 4. ₹3,924

Q.29 Find the value of $50^{-6} \div 50^{18} \times 50^{-5}$.

- Ans**
- ☐ 1. 50^{-19}
 - ☒ 2. 50^{-29}
 - ☐ 3. 50^{-36}
 - ☐ 4. 50^{-32}



Q.30 Find the median of 26, 13, 14, 15, 8, 36, 23, 35 and 50.

- Ans**
- ☒ 1. 35
 - ☒ 2. 23
 - ☒ 3. 26
 - ☒ 4. 50

Section : **General Intelligence and Reasoning**

Q.1 Town H is to the east of town R and to the north of town D. Town E is southeast of town H. In which direction is town D with respect to town R?

- Ans**
- ☒ 1. Southeast
 - ☒ 2. Southwest
 - ☒ 3. North
 - ☒ 4. West

Q.2 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) > 5 * \ + 9 & 6 # 6 4 \$ & / @ # \$ & 8 3 < (Right)

How many such symbols are there that are immediately preceded by a number and also immediately followed by another symbol?

- Ans**
- ☒ 1. Four
 - ☒ 2. Two
 - ☒ 3. One
 - ☒ 4. Three

Q.3 A, B, C, D, Q, R and S are sitting around a circular table, facing the centre of the table. Q sits to the immediate right of D. Only three people sit between Q and S, when counted from the left of Q. Only three people sit between D and C. A sits to the immediate right of R. How many people sit between D and R, when counted from the right of R?

- Ans**
- ☒ 1. One
 - ☒ 2. Four
 - ☒ 3. Three
 - ☒ 4. Two

Q.4 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

JUNK - UJNK - KUJN
LACK - ALCK - KALC

- Ans**
- ☒ 1. BUNS - UBNS - SUNB
 - ☒ 2. MOST - OMST - OSTM
 - ☒ 3. FROM - RFOM - MRFO
 - ☒ 4. MOCK - MCOK - KCOM

Q.5 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$51 + 8 - 8 \div 80 \times 4 = ?$$

- Ans**
- ☒ 1. 26
 - ☒ 2. 20
 - ☒ 3. 14
 - ☒ 4. 7



Q.6 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. OJR
 - ☒ 2. JEM
 - ☒ 3. GBI
 - ☒ 4. LGO

Q.7 What should come in place of the question mark (?) in the given series?

90 90 91 95 104 ?

- Ans**
- ☒ 1. 122
 - ☒ 2. 120
 - ☒ 3. 121
 - ☒ 4. 119

Q.8 In a certain code language, 'EARS' is coded as '4259' and 'SARI' is coded as '9725'. What is the code for 'I' in the given code language?

- Ans**
- ☒ 1. 5
 - ☒ 2. 9
 - ☒ 3. 2
 - ☒ 4. 7

Q.9 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept below F. Only two boxes are kept between F and A. Only D is kept immediately above B. C is kept at some place below G and at some place above E. How many boxes are kept between B and F?

- Ans**
- ☒ 1. 4
 - ☒ 2. 1
 - ☒ 3. 2
 - ☒ 4. 3

Q.10 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. LNH
 - ☒ 2. GIC
 - ☒ 3. EGB
 - ☒ 4. IKE

Q.11 If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$18 - 2 + 48 \times 4 \div 21 = ?$

- Ans**
- ☒ 1. 35
 - ☒ 2. 45
 - ☒ 3. 30
 - ☒ 4. 40



Q.12 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All cars are buses. Some cars are trucks.

Conclusions (I): Some trucks are cars.

Conclusions (II): Some buses are cars.

- Ans**
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☒ 2. Only conclusion (I) follows.
 - ☒ 3. Only conclusion (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.13 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

COME - OCME - EOCM

NEAT - ENAT - TENA

- Ans**
- ☒ 1. SANK - ASNK - KASN
 - ☒ 2. GONE - OGNE - EONG
 - ☒ 3. DOST - DSOT - TSOD
 - ☒ 4. HEAT - EHAT - EATH

Q.14 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(38, 12, 456)

(44, 11, 484)

- Ans**
- ☒ 1. (67, 5, 365)
 - ☒ 2. (38, 8, 304)
 - ☒ 3. (61, 4, 254)
 - ☒ 4. (43, 6, 278)

Q.15 Harry starts from Point A and drives 1 km towards the south. He then takes a right turn and drives 7 km, then turns right and drives 8 km. He then takes a right turn and drives 15 km. He takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 8 km to the west
 - ☒ 2. 10 km to the west
 - ☒ 3. 9 km to the west
 - ☒ 4. 5 km to the west

Q.16 Seven boxes U, V, W, X, E, F and G are kept one over the other but not necessarily in the same order.

Only two boxes are kept between V and X. Only W is kept above F. No box is kept below X. E is kept at some place below G but at some place above U. Which box is kept third above U?

- Ans**
- ☒ 1. X
 - ☒ 2. G
 - ☒ 3. E
 - ☒ 4. W



Q.17 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All trams are cows.

No cow is a bun.

Conclusions:

(I): No tram is a bun.

(II): Some buns are cows.

- Ans**
- ☐ 1. Both conclusions (I) and (II) follow.
 - ☐ 2. Only conclusion (II) follows.
 - ☐ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Only conclusion (I) follows.

Q.18 SWER is related to GKSF in a certain way based on the English alphabetical order. In the same way, WAIV is related to KOWJ. To which of the given options is MQYL related, following the same logic?

- Ans**
- ☒ 1. AEMZ
 - ☐ 2. AEMU
 - ☐ 3. AZEM
 - ☐ 4. AZME

Q.19 Each of the digits in the number 19758436 is arranged in descending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ 1. Two
 - ☐ 2. None
 - ☒ 3. Three
 - ☐ 4. One

Q.20 Each of the digits in the number 8934612 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
- ☐ 1. 6
 - ☒ 2. 10
 - ☐ 3. 7
 - ☐ 4. 8

Q.21 What should come in place of the question mark (?) in the given series?
99, 100, 102, 106, 114, ?

- Ans**
- ☒ 1. 130
 - ☐ 2. 135
 - ☐ 3. 125
 - ☐ 4. 103

Q.22 What should come in place of the question mark (?) in the given series?

3 13 28 48 ? 103

- Ans**
- ☐ 1. 71
 - ☒ 2. 73
 - ☐ 3. 68
 - ☐ 4. 70



Q.23 Seven people, D, E, F, G, H, I and X, are sitting in a row facing North. Only two people sit to the left of G. Only three people sit between G and H. Only one person sits between H and F. E sits to the immediate left of I. D is not an immediate neighbour of H. How many people sit to the right of X?

- Ans** ☒ 1. One
☐ 2. Three
☐ 3. Four
☐ 4. Two

Q.24 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

VRM 9 WTJ 6 XVG 3 YXD 0 ?

- Ans** ☒ 1. ZZA -3
☐ 2. ZYZ -3
☐ 3. ZZA -6
☐ 4. ZZZ -6

Q.25 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 7 \$ % 4 & 1 9 @ 5 & 3 Ω 8 * 2 £ # 6 (Right)

If all the symbols are dropped from the series, which of the following will be sixth from the right?

- Ans** ☐ 1. 1
☐ 2. 5
☒ 3. 9
☐ 4. 4

Q.26 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

VEC WFD XGE YHF ?

- Ans** ☐ 1. ZVG
☐ 2. ZWR
☒ 3. ZIG
☐ 4. ZML

Q.27 Seven boxes V, W, X, Y, Z, Q and R are kept one over the other but not necessarily in the same order. Only two boxes are kept between Q and V. Only Y is kept above W. No box is kept below V. X is kept at some place below Z but at some place above R. Which box is kept third above R?

- Ans** ☒ 1. Z
☐ 2. Q
☐ 3. X
☐ 4. W

Q.28 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☐ 1. EAW
☐ 2. OKG
☒ 3. DZB
☐ 4. MIE



Q.29 A is the son of S. D is the daughter of F. F is the father of G. G is the sister of A. A is married to Q. W is the son of A. How is S related to D?

- Ans**
- ☐ 1. Mother's mother
 - ☐ 2. Father's sister
 - ☒ 3. Mother
 - ☐ 4. Sister

Q.30 In a certain code language, 'FOUR' is coded as '5427' and 'RISE' is coded as '6143'. What is the code for 'R' in the given code language?

- Ans**
- ☐ 1. 7
 - ☐ 2. 3
 - ☒ 3. 4
 - ☐ 4. 6





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सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	12/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which country hosted the 6th BIMSTEC Summit in March 2025?

- Ans
- ☒ 1. Bangladesh
 - ☒ 2. India
 - ☒ 3. Thailand
 - ☒ 4. Sri Lanka

Q.2 Which of the following is a water pollutant?

- Ans
- ☒ 1. Carbon dioxide
 - ☒ 2. Lead
 - ☒ 3. Oxygen
 - ☒ 4. Nitrogen gas

Q.3 Who was called the 'Grand Old Man of India' and the first Indian to demand Swaraj?

- Ans
- ☒ 1. Surendranath Banerjee
 - ☒ 2. Gopal Krishna Gokhale
 - ☒ 3. Bal Gangadhar Tilak
 - ☒ 4. Dadabhai Naoroji

Q.4 The Queen's Stepwell in Gujarat, known officially as Rani-ki-Vav, is situated along the course of which river?

- Ans
- ☒ 1. Sabarmati
 - ☒ 2. Tapi
 - ☒ 3. Saraswati
 - ☒ 4. Narmada

Q.5 After its 1971 electoral victory, Indira Gandhi's government amended the Constitution to remove legal obstacles to abolishing which of the following privileges?

- Ans
- ☒ 1. Zamindari system
 - ☒ 2. Monopoly trade licenses
 - ☒ 3. Privy purses of former princely rulers
 - ☒ 4. Separate electorates for minorities



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Q.6 Which two countries signed a historic peace treaty on 13 March 2025, ending nearly four decades of conflict over the Nagorno-Karabakh region?

- Ans**
- ☐ 1. Azerbaijan and Georgia
 - ☐ 2. Armenia and Turkey
 - ☐ 3. Georgia and Russia
 - ☒ 4. Armenia and Azerbaijan

Q.7 Which of the following statements about the Gram Sabha is correct?

- Ans**
- ☐ 1. It consists only of elected members of the Gram Panchayat.
 - ☐ 2. It has authority to override the decisions of the Panchayat.
 - ☐ 3. It meets only once every five years.
 - ☒ 4. It comprises all adult voters in the Panchayat area; its role is defined by state law.

Q.8 The primary sector saw uneven regional development during 1947-91. Which region benefitted the most from the Green Revolution?

- Ans**
- ☐ 1. Western India
 - ☐ 2. Eastern India
 - ☒ 3. Northern India
 - ☐ 4. Southern India

Q.9 Which of the following types of memory is volatile, meaning its contents are lost when the computer is turned off?

- Ans**
- ☐ 1. ROM
 - ☐ 2. Hard Disk
 - ☐ 3. Pen Drive
 - ☒ 4. RAM

Q.10 What was the mascot name of Khelo India Youth Games 2025 held in Bihar in May 2025?

- Ans**
- ☐ 1. Appu
 - ☐ 2. Nini
 - ☐ 3. Dou Dou
 - ☒ 4. Gajsimha

Q.11 The first cross-country pipeline in Asia connected the Naharkatiya oilfield in Assam to which refinery?

- Ans**
- ☐ 1. Mathura Refinery
 - ☐ 2. Haldia Refinery
 - ☒ 3. Barauni Refinery
 - ☐ 4. Panipat Refinery

Q.12 What was the name of stadium where India beat Bangladesh in South Asian Football Federation (SAFF) Under-19 Championship 2025?

- Ans**
- ☐ 1. JRD Tata Sports Complex, Jamshedpur
 - ☒ 2. Yupia Outdoor Stadium, Arunachal Pradesh
 - ☐ 3. Jawaharlal Nehru Stadium, Delhi
 - ☐ 4. Salt Lake Stadium, Kolkata

Q.13 If the temperature of air increases, what happens to the speed of sound and the minimum distance to hear an echo?

- Ans**
- ☐ 1. Speed decreases, minimum distance increases
 - ☐ 2. Speed increases, minimum distance decreases
 - ☒ 3. Speed increases, minimum distance increases
 - ☐ 4. Speed decreases, minimum distance decreases



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Q.14 The 25th Amendment curtailed the right to property by amending which Article of Indian Constitution?

- Ans**
- ☐ 1. Article 33
 - ☐ 2. Article 12
 - ☐ 3. Article 13
 - ☒ 4. Article 31

Q.15 Which of the following is a Buddhist text containing stories related to the previous births of the Buddha?

- Ans**
- ☐ 1. Panchatantra
 - ☒ 2. Jatakas
 - ☐ 3. Arthashastra
 - ☐ 4. Manusmriti

Q.16 Which of the following best defines the strategy of Passive Resistance as advocated by Extremists?

- Ans**
- ☒ 1. Boycott, Swadeshi and non-cooperation with rulers
 - ☐ 2. Assassination of British officers
 - ☐ 3. Military training of Indian youth abroad
 - ☐ 4. Armed confrontation with colonial forces

Q.17 Which of the following natural regions is known for evergreen dense forests and high biodiversity?

- Ans**
- ☒ 1. Equatorial region
 - ☐ 2. Tundra region
 - ☐ 3. Steppe region
 - ☐ 4. Mediterranean region

Q.18 A mixed economy involves both private and public ownership. What was a distinctive feature of India's mixed economy model?

- Ans**
- ☒ 1. Public sector dominance in core industries
 - ☐ 2. Absence of licensing
 - ☐ 3. Full privatisation
 - ☐ 4. Focus on consumerism

Q.19 What is the significance of DRDO's successful test of the Long-Range Anti-Ship Missile (LRAShM) in 2025?

- Ans**
- ☐ 1. It replaced the need for aircraft carriers
 - ☒ 2. It enhances India's strategic deterrence capabilities
 - ☐ 3. It was the first missile to use solar propulsion
 - ☐ 4. It marked India's first hypersonic missile test

Q.20 What is baking soda chemically known as?

- Ans**
- ☐ 1. Sodium carbonate
 - ☒ 2. Sodium bicarbonate
 - ☐ 3. Calcium carbonate
 - ☐ 4. Magnesium hydroxide



Q.21 The vast network of railways that helped people meet their family and relatives was pioneered during the latter half of which of the following centuries in India?

- Ans**
- ☒ 1. 19th
 - ☐ 2. 17th
 - ☐ 3. 20th
 - ☐ 4. 18th

Q.22 The Harappans were first in Eurasia to grow ____.

- Ans**
- ☐ 1. Indigo
 - ☐ 2. Mustard Seeds
 - ☐ 3. Potato
 - ☒ 4. Cotton

Q.23 Which of the following options best describes the state of Indian industries under British rule?

- Ans**
- ☐ 1. Promotion of indigenous entrepreneurship
 - ☐ 2. Rapid growth of modern manufacturing
 - ☐ 3. Widespread industrialisation across rural India
 - ☒ 4. Systematic decline of traditional industries

Q.24 In the 2024 Global Innovation Index, which country was ranked as the most innovative?

- Ans**
- ☐ 1. United States
 - ☒ 2. Switzerland
 - ☐ 3. Singapore
 - ☐ 4. Sweden

Q.25 As per the 'India State of Forest Report 2023 (ISFR 2023), which Indian state has the largest forest cover (area-wise) in the country?

- Ans**
- ☐ 1. Arunachal Pradesh
 - ☒ 2. Madhya Pradesh
 - ☐ 3. Chhattisgarh
 - ☐ 4. Uttar Pradesh

Q.26 Which of the following types of cases is NOT generally taken up by Lok Adalats in India?

- Ans**
- ☒ 1. Murder trials
 - ☐ 2. Motor accident claims
 - ☐ 3. Divorce settlements
 - ☐ 4. Utility bill disputes

Q.27 What is the dimensional formula for mechanical energy that refers to the total energy of an object due to its position and motion?

- Ans**
- ☐ 1. $[ML^2T^{-3}]$
 - ☐ 2. $[M^1L^2]$
 - ☐ 3. $[M^2L^2T^{-1}]$
 - ☒ 4. $[M^1L^2T^{-2}]$

Q.28 According to a Times of India report from April 2025, there have been plans to locally manufacture which tetravalent dengue vaccine under the 'Make-in-India' initiative?

- Ans**
- ☐ 1. CYD-TDCV
 - ☐ 2. Dengvaxia
 - ☐ 3. TV003 / TV005
 - ☒ 4. QDENG (TAK-003)



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Q.29 On 15 May 2025, the Supreme Court of India issued an immediate direction to the Centre to set up dedicated courts to deal with which cases?

- Ans**
- ☐ 1. Serious offenses like murder
 - ☐ 2. Constitutional interpretations
 - ☐ 3. Dowry harassment
 - ☒ 4. Child sexual abuse

Q.30 What happens when you create a folder with the same name in the same location?

- Ans**
- ☒ 1. It gives an error.
 - ☐ 2. It replaces the old folder.
 - ☐ 3. It opens the original folder.
 - ☐ 4. The system automatically renames it.

Q.31 As per Deloitte, how much will AI in healthcare boost India's GDP by 2025?

- Ans**
- ☐ 1. USD 35–40 billion
 - ☒ 2. USD 25–30 billion
 - ☐ 3. USD 12–18 billion
 - ☐ 4. USD 45–50 billion

Q.32 Netaji Subhash Chandra Bose Dweep is a part of which island?

- Ans**
- ☐ 1. Majuli Island
 - ☐ 2. Rameswaram Island
 - ☐ 3. Lakshadweep Islands
 - ☒ 4. Andaman Islands

Q.33 Crafted using the lost-wax technique in Mohenjo-daro, a significant city of the Indus Valley Civilisation, the prehistoric Dancing Girl figurine is primarily made of which of the following materials?

- Ans**
- ☐ 1. Stone
 - ☐ 2. Copper
 - ☐ 3. Terracotta
 - ☒ 4. Bronze

Q.34 Which country won both the Men's and Women's titles at the Kabaddi World Cup 2025, held at Wolverhampton in England?

- Ans**
- ☐ 1. Iran
 - ☐ 2. Pakistan
 - ☐ 3. Bangladesh
 - ☒ 4. India

Q.35 Which is the first Indian state/UT to launch the nPROUD (New Programme for Removal of Unused Drugs) project?

- Ans**
- ☐ 1. Delhi
 - ☒ 2. Kerala
 - ☐ 3. Maharashtra
 - ☐ 4. Telangana



Q.36 Which of the following initiatives was launched by the National Commission for Women (NCW) on 22 May 2025 to promote AI literacy and digital safety among women, especially in rural and semi-urban areas?

- Ans**
- ☒ 1. Yashoda AI: Your AI SAKHI
 - ☐ 2. Tech Sakhi: Empowering Women
 - ☐ 3. Digital Shakti: Women in Tech
 - ☐ 4. Cyber Sakhi: AI Awareness Program

Q.37 Harsabardhan Sahu who built a new record in the field of 49 kg (Clean and Jerk) Weightlifting category, at Khelo India Youth Games 2025 is from which state?

- Ans**
- ☐ 1. Assam
 - ☐ 2. Bihar
 - ☒ 3. Odisha
 - ☐ 4. Mizoram

Q.38 The typical landform seen in the Thar Desert is:

- Ans**
- ☒ 1. sand dunes
 - ☐ 2. glacial moraines
 - ☐ 3. river deltas
 - ☐ 4. alluvial plains

Q.39 Which of the following is the main objective of the Right to Information Act?

- Ans**
- ☐ 1. To ensure secrecy in public administration
 - ☐ 2. To provide private data to media houses
 - ☒ 3. To promote transparency and accountability
 - ☐ 4. To prevent public access to government records

Q.40 Tariff reforms were central to the liberalisation of trade. What happened to import tariffs after 1991?

- Ans**
- ☐ 1. It increased
 - ☒ 2. It gradually reduced
 - ☐ 3. It remained unchanged
 - ☐ 4. It was replaced with import bans

Section : Mathematics

Q.1 The population of a district is 328000, out of which 164000 are males. 24% of the population is literate. If 34% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 13%
 - ☐ 2. 11%
 - ☐ 3. 17%
 - ☒ 4. 14%

Q.2 If the 6-digit number $N75M52$ is divisible by 11, then which of the options below can give a possible correct relation between M and N ?

- Ans**
- ☐ 1. $M = N$
 - ☒ 2. $M - N = 1$
 - ☐ 3. $M + N = -1$
 - ☐ 4. $M - N = 5$



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Q.3 A number, when decreased by 6%, gives 3760. The number is:

- Ans**
- ☒ 1. 2000
 - ☒ 2. 4000
 - ☒ 3. 12000
 - ☒ 4. 8000

Q.4 If the third proportional of 9 and 60 be x, then what is the value of x?

- Ans**
- ☒ 1. 398
 - ☒ 2. 400
 - ☒ 3. 402
 - ☒ 4. 401

Q.5 The product of two consecutive natural numbers is 552. The greater of the two numbers is:

- Ans**
- ☒ 1. 24
 - ☒ 2. 18
 - ☒ 3. 15
 - ☒ 4. 27

Q.6 Which of the following numbers divides 6,30,605?

- Ans**
- ☒ 1. 3
 - ☒ 2. 5
 - ☒ 3. 7
 - ☒ 4. 14

Q.7 What is the perimeter of an equilateral triangle with side 13 cm?

- Ans**
- ☒ 1. 52 cm
 - ☒ 2. 39 cm
 - ☒ 3. 40 cm
 - ☒ 4. 26 cm

Q.8 The LCM of $3^3 \times 8^2 \times 13$, $3^2 \times 13^2 \times 16$ and $8^3 \times 13^2 \times 16^2$ is:

- Ans**
- ☒ 1. $3^3 \times 8^3 \times 13^2 \times 16^2$
 - ☒ 2. $3^3 \times 8^2 \times 13^2 \times 16$
 - ☒ 3. $3^2 \times 8^3 \times 13 \times 16^2$
 - ☒ 4. $3^2 \times 8^2 \times 13^2 \times 16^3$

Q.9 The number 253118139 is divisible by which of the following?

- Ans**
- ☒ 1. 3
 - ☒ 2. 12
 - ☒ 3. 5
 - ☒ 4. 8

Q.10 The average of first 169 even numbers is

- Ans**
- ☒ 1. 170
 - ☒ 2. 171
 - ☒ 3. 169.5
 - ☒ 4. 170.5



Q.11 A shopkeeper offers the following three schemes. Which scheme has the maximum discount percent?

I. Two successive discounts of 15% and 20%.

II. Buy 4 get 2 free.

III. Buy 6 get 4 free

Ans ☒ 1. III only

☐ 2. I only

☐ 3. Both I and II

☐ 4. II only

Q.12 Daksh travels 200 km at 50 km/hr, the next 252 km at 42 km/hr and the next 204 km at 51 km/hr. What is his average speed (in km/hr) for the whole journey? (Round off your answer to two decimal places)

Ans ☐ 1. 53.31

☐ 2. 38.25

☒ 3. 46.86

☐ 4. 53.45

Q.13 Veer bought some sharpeners at the rate of ₹180/dozen. He sold them for ₹23 each. His profit percentage is _____% (rounded off to two decimal places).

Ans ☐ 1. 51.33

☒ 2. 53.33

☐ 3. 57.33

☐ 4. 55.33

Q.14 Pipe P can fill $\frac{2}{3}$ part of a tank in 16 hours, and pipe Q can fill $\frac{5}{6}$ part of the same tank in 20 hours.

Both P and Q were kept open for 2 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours. Pipes P, Q and R together can fill the empty tank in:

Ans ☐ 1. 8 hours

☒ 2. 16 hours

☐ 3. 29 hours

☐ 4. 26 hours

Q.15 Simplify $x(9x - 8) + 7(x^2 - 3) + 18$.

Ans ☐ 1. $16x^2 - 8x + 3$

☐ 2. $-16x^2 - 8x + 3$

☐ 3. $-16x^2 - 8x - 3$

☒ 4. $16x^2 - 8x - 3$

Q.16 M and N start a business. M invests ₹68,000 more than N for 4 months and N invests for 7 months. M's share is ₹856 more than that of N, out of a total profit of ₹6,848. Find the capital contributed by M.

Ans ☒ 1. ₹1,22,400

☐ 2. ₹1,22,000

☐ 3. ₹1,23,000

☐ 4. ₹1,23,400

Q.17 A bus travelling at 66 km/hr completes a journey in 15 hours. What should be its speed to cover the same distance in 5 hours?

Ans ☐ 1. 202 km/hr

☐ 2. 203 km/hr

☒ 3. 198 km/hr

☐ 4. 193 km/hr



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Q.18 The perimeter of a square is 76 m. Its area (in m^2) is:

Ans ☒ 1. 372

☒ 2. 360

☒ 3. 361

☒ 4. 336

Q.19 Evaluate: $-12 - \{-8 \times (6 - 12) + 30 \div (-6)\}$

Ans ☒ 1. -57

☒ 2. -52

☒ 3. -55

☒ 4. -58

Q.20 Find the simple interest (in ₹) if a sum of ₹400 is borrowed for 5.5 years at 12% per annum rate of interest.

Ans ☒ 1. 364

☒ 2. 264

☒ 3. 314

☒ 4. 244

Q.21 A sum of money triples itself at a certain rate of compound interest in 11 years. In how many years will it amount to 27 times of itself?

Ans ☒ 1. 37 years

☒ 2. 26 years

☒ 3. 33 years

☒ 4. 31 years

Q.22 Rekha, Sanjay, and Poonam invest ₹1,320, ₹1,170, and ₹1,660, respectively, to start a business. If the profit at the end of the year is ₹1,010, then what is the share of Poonam in the profit?

Ans ☒ 1. ₹407

☒ 2. ₹405

☒ 3. ₹402

☒ 4. ₹404

Q.23 A shopkeeper lists the price of a fan at 60% above its cost price and offers a 15% discount on its list price. If he earns a profit of ₹117, then what is the list price (in ₹) of the fan?

Ans ☒ 1. 283

☒ 2. 470

☒ 3. 398

☒ 4. 520

Q.24 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 24^\circ$ and $\angle BAC = 112^\circ$, then what is the measure of $\angle ACD$ (in degree)?

Ans ☒ 1. 99°

☒ 2. 90°

☒ 3. 92°

☒ 4. 77°



Q.25 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 74 kg and 35 kg is:

- Ans
- ☒ 1. 50.8
 - ☐ 2. 49.8
 - ☐ 3. 52.8
 - ☐ 4. 51.8

Q.26 Five times the present age of P exceeds the present age of Q by 29 years. After 8 years, five times Q's age will be 17 years less than seven times P's age at that time. What is the present age (in years) of Q?

- Ans
- ☐ 1. 3
 - ☐ 2. 5
 - ☐ 3. 6
 - ☒ 4. 11

Q.27 Find the value of $47^{-8} \div 47^3 \times 47^{-19}$.

- Ans
- ☒ 1. 47^{-30}
 - ☐ 2. 47^{-24}
 - ☐ 3. 47^{-27}
 - ☐ 4. 47^{-37}

Q.28 The marked price of an article is ₹800. It is sold at two successive discounts of 24% and 15%, respectively. Find the selling price of the article.

- Ans
- ☐ 1. ₹595.48
 - ☐ 2. ₹686.42
 - ☒ 3. ₹516.80
 - ☐ 4. ₹625.78

Q.29 Simplify: $(\cos^4 A - \sin^4 A + 1) \operatorname{cosec}^2 A$

- Ans
- ☐ 1. $\tan^2 A$
 - ☒ 2. $2 \cot^2 A$
 - ☐ 3. $\cot^2 A$
 - ☐ 4. $2 \tan^2 A$

Q.30 Pipe A can fill a tank in 18 hours, pipe B can fill the same tank in 30 hours and pipe C can fill the same tank in 18 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ☐ 1. $11\frac{12}{13}$ hours
 - ☐ 2. $2\frac{12}{13}$ hours
 - ☒ 3. $6\frac{12}{13}$ hours
 - ☐ 4. $13\frac{12}{13}$ hours



Q.1 In a certain code language, 'FATE' is coded as '3257' and 'AIDS' is coded as '6142'. What is the code for 'A' in the given code language?

- Ans**
- ☐ 1. 6
 - ☐ 2. 5
 - ☐ 3. 4
 - ☒ 4. 2

Q.2 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

YQT VNQ SKN PHK ?

- Ans**
- ☒ 1. MEH
 - ☐ 2. MEG
 - ☐ 3. MFG
 - ☐ 4. MFH

Q.3 What should come in place of the question mark (?) in the given series?

801 800 792 765 701 ?

- Ans**
- ☒ 1. 576
 - ☐ 2. 676
 - ☐ 3. 656
 - ☐ 4. 556

Q.4 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$17 \div 5 - 25 + 42 \times 7 = ?$

- Ans**
- ☒ 1. 104
 - ☐ 2. 106
 - ☐ 3. 105
 - ☐ 4. 103

Q.5 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)

- Ans**
- ☐ 1. QU - VZ
 - ☐ 2. OS - TX
 - ☒ 3. JL - MK
 - ☐ 4. EI - JN

Q.6 SACU is related to ZHJB in a certain way based on the English alphabetical order. In the same way, UCEW is related to BJLD. To which of the following is PXZR related, following the same logic?

- Ans**
- ☒ 1. WEGY
 - ☐ 2. GWER
 - ☐ 3. GTRE
 - ☐ 4. GERT



Q.7 Manoj starts from point E and drives 4 km towards west. He then takes a left turn and drives 5 km. He takes a right turn and drives 2 km. He then takes a left turn and drives 2 km. He takes another left turn and drives 3 km. He again takes a left turn and drives 2 km. He takes a final right turn and drives 3 km to reach a point D. How far (shortest distance) and towards which direction should he drive in order to reach point E again? (All turns are 90-degree turns only unless otherwise specified.)

- Ans**
- ☐ 1. 4 km east
 - ☐ 2. 3 km east
 - ☒ 3. 5 km north
 - ☐ 4. 3 km north

Q.8 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All globes are ball.
All globes are map.

Conclusions:

(I): Some balls are map.

(II): All map are globe.

- Ans**
- ☒ 1. Only conclusion (I) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Neither conclusion (I) nor (II) follows.
 - ☐ 4. Only conclusion (II) follows.

Q.9 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. MG - RA
 - ☐ 2. YE - DY
 - ☐ 3. IL - NF
 - ☒ 4. FV - KO

Q.10 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SONG - OSNG - GNOS
DAWN - ADWN - NWAD

- Ans**
- ☒ 1. PLOG - LPOG - GOLP
 - ☐ 2. ROLE - ORLE - OLER
 - ☐ 3. EXIL - EIXL - LIXE
 - ☐ 4. OPEN - POEN - NPEO

Q.11 What should come in place of the question mark (?) in the given series?

101 110 121 134 149 ?

- Ans**
- ☐ 1. 163
 - ☐ 2. 159
 - ☐ 3. 156
 - ☒ 4. 166



Q.12 If '+' means 'subtraction', '-' means 'multiplication', 'x' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$9 - 5 + 82 \times 2 \div 17 = ?$$

- Ans**
- ☐ 1. 31
 - ☐ 2. 27
 - ☒ 3. 21
 - ☐ 4. 24

Q.13 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. JN-IK
 - ☐ 2. DH-CF
 - ☐ 3. GK-FI
 - ☐ 4. QU-PS

Q.14 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) < 7 5 9 @ ? 2 @ + \$ 4 ? ? & 2 \$ 5 ? 1 % * (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☒ 1. Two
 - ☐ 2. One
 - ☐ 3. Four
 - ☐ 4. Three

Q.15 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All sparrows are owls.
No sparrow is a parrot.

Conclusions:

(I): No owl is a parrot.
(II): No parrot is a sparrow.

- Ans**
- ☐ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☒ 3. Only conclusion (II) follows.
 - ☐ 4. Only conclusion (I) follows.

Q.16 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

QNK WTQ CZW IFC ?

- Ans**
- ☐ 1. OIL
 - ☐ 2. LOI
 - ☒ 3. OLI
 - ☐ 4. LIO



Q.17 Each of the digits in the number 8731245 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ 1. One
 - ☐ 2. Three
 - ☐ 3. Two
 - ☐ 4. None

Q.18 Varun ranked 34th from the top and 11th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 42
 - ☐ 2. 43
 - ☐ 3. 45
 - ☒ 4. 44

Q.19 In a certain code language, 'am with you' is coded as 'mp rk tp' and 'go with him' is coded as 'rk lo wt'. How is 'with' coded in the given language?

- Ans**
- ☒ 1. rk
 - ☐ 2. lo
 - ☐ 3. mp
 - ☐ 4. tp

Q.20 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

HJS : JNV
ACJ : CGM

- Ans**
- ☐ 1. LHS : NLW
 - ☒ 2. ORC : QVF
 - ☐ 3. OPC : QSG
 - ☐ 4. WSK : YWM

Q.21 What should come in place of the question mark (?) in the given series?

40 , 48 , 58 , 66 , 76 , ?

- Ans**
- ☐ 1. 85
 - ☐ 2. 89
 - ☒ 3. 84
 - ☐ 4. 86

Q.22 Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. Only three people sit between M and J. O sits to the immediate left of J. No one sits to the right of I. Only two people sit between I and O. N sits to the immediate right of L. How many people sit between K and N?

- Ans**
- ☐ 1. Four
 - ☐ 2. Three
 - ☐ 3. One
 - ☒ 4. Two

Q.23 Piyush ranked 35th from the top and 18th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 53
 - ☒ 2. 52
 - ☐ 3. 54
 - ☐ 4. 51



Q.24 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(112, 104, 96)
(136, 128, 120)

- Ans**
- ☒ 1. (129, 121, 116)
 - ☒ 2. (91, 83, 77)
 - ☒ 3. (140, 134, 130)
 - ☒ 4. (154, 146, 138)

Q.25 Each of the digits in the number 81674293 is arranged in ascending order from left to right. Which of the following digits will be fourth from the left?

- Ans**
- ☒ 1. 3
 - ☒ 2. 6
 - ☒ 3. 4
 - ☒ 4. 7

Q.26 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit numbers. Counting to be done from left to right only.

(Left) 5 # % 2 ^ @ 3 & 1 \$ 7 Ω 5 % # 6 * 1 9 (Right)

How many symbols in the series are immediately preceded by a symbol and immediately followed by a number?

- Ans**
- ☒ 1. One
 - ☒ 2. None
 - ☒ 3. Two
 - ☒ 4. Three

Q.27 Mr. Into ranked 96th from the top and 31st from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 126
 - ☒ 2. 128
 - ☒ 3. 123
 - ☒ 4. 125

Q.28 A is the father of H. H is the father of G. G is the son of E. F is the father of E. How is A related to F?

- Ans**
- ☒ 1. Daughter's husband's father
 - ☒ 2. Daughter's husband's brother
 - ☒ 3. Husband's father
 - ☒ 4. Daughter's husband

Q.29 A, B, C, D, E, F, and G are sitting around a circular table facing the centre. Only two people sit between A and G when counted from the right of A. Only two people sit between G and C. Only three people sit between A and F. E sits to the immediate left of D. How many people sit between C and E when counted from the right of C?

- Ans**
- ☒ 1. One
 - ☒ 2. Three
 - ☒ 3. Four
 - ☒ 4. Two



Q.30 Town Q is to the east of Town P. Town R is to the south of Town Q. Town S is to the east of Town R. Town T is to the south of Town S. Town U is to the east of Town T. What is the position of Town U with respect to Town Q?

- Ans**
-  1. North-east
 -  2. North-west
 -  3. North
 -  4. South-east





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	12/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 As of July 2025, how many Indian States have a bicameral legislature (i.e. both, a Legislative Assembly and a Legislative Council)?

Ans ☒ 1. Eight

☒ 2. Six

☒ 3. Seven

☒ 4. Five

Q.2 In Indian State governments, to whom is the State Council of Ministers collectively responsible?

Ans ☒ 1. The Governor of the State

☒ 2. Council of States

☒ 3. State Legislative Assembly

☒ 4. Chief Justice of the concerned State

Q.3 Which initiative is intended to encourage domestic manufacturing and attract foreign investment?

Ans ☒ 1. Digital India

☒ 2. Make in India

☒ 3. Startup India

☒ 4. Skill India

Q.4 The Red Fort in Delhi was constructed during the reign of which of the following Mughal emperors?

Ans ☒ 1. Babur

☒ 2. Shah Jahan

☒ 3. Aurangzeb

☒ 4. Akbar

Q.5 In March 2025, _____ became the 28th legislature to join the National e-Vidhan Application platform.

Ans ☒ 1. Odisha

☒ 2. Delhi

☒ 3. Sikkim

☒ 4. Jharkhand



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Q.6 Which revolutionary along with Batukeshwar Dutt threw bombs in the Central Assembly in 1929?

- Ans**
- ✓ 1. Bhagat Singh
 - ✗ 2. Chandrashekhar Azad
 - ✗ 3. Ashfaqulla Khan
 - ✗ 4. Rajguru

Q.7 Who made history as the first woman, the youngest person, and the first African to be elected President of the International Olympic Committee (IOC) in 2025?

- Ans**
- ✓ 1. Kirsty Coventry
 - ✗ 2. Tegla Loroupe
 - ✗ 3. Fatma Samoura
 - ✗ 4. Nawal El Moutawakel

Q.8 Which Gupta emperor was known as the 'Napoleon of India' due to his military conquests and strategic warfare?

- Ans**
- ✗ 1. Chandragupta I
 - ✓ 2. Samudragupta
 - ✗ 3. Kumaragupta
 - ✗ 4. Skandagupta

Q.9 Which country led the 2024 Global Gender Gap Report by closing over 90% of its gender gap?

- Ans**
- ✗ 1. Finland
 - ✗ 2. Norway
 - ✓ 3. Iceland
 - ✗ 4. Sweden

Q.10 Although a colloid appears homogeneous, it is actually a _____.

- Ans**
- ✗ 1. suspension
 - ✗ 2. true solution
 - ✗ 3. homogeneous mixture
 - ✓ 4. heterogeneous mixture

Q.11 What happens when you delete a file or folder using the Delete key?

- Ans**
- ✗ 1. The file is copied to another folder.
 - ✗ 2. The file is renamed automatically.
 - ✓ 3. The file is sent to the Recycle Bin.
 - ✗ 4. The file is permanently deleted without warning.

Q.12 Which of the following pairs of neighbouring countries are landlocked and share only land borders with India?

- Ans**
- ✗ 1. Bangladesh and Myanmar
 - ✓ 2. Nepal and Bhutan
 - ✗ 3. Pakistan and China
 - ✗ 4. Sri Lanka and Maldives

Q.13 Which of the following represents the longitudinal extent of India?

- Ans**
- ✓ 1. 68°7'E and 97°25'E
 - ✗ 2. 56°7'E and 87°25'E
 - ✗ 3. 58°7'E and 94°25'E
 - ✗ 4. 54°7'E and 77°25'E



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Q.14 Who among the following was appointed as the new Chairman of the Union Public Service Commission (UPSC) in May 2025?

- Ans**
- ☐ 1. Shri Rajesh Verma
 - ☐ 2. Dr. Anil Kumar
 - ☒ 3. Dr. Ajay Kumar
 - ☐ 4. Ms. Priya Sharma

Q.15 Who among the following wrote the novel *Godaan*, which is considered a classic of modern Hindi literature?

- Ans**
- ☐ 1. Bankim Chandra Chatterjee
 - ☒ 2. Munshi Premchand
 - ☐ 3. RK Narayan
 - ☐ 4. Rabindranath Tagore

Q.16 Which Ministry co-organised the 9th edition of the Global Technology Summit (GTS) with Carnegie India in April 2025 in New Delhi?

- Ans**
- ☒ 1. Ministry of External Affairs
 - ☐ 2. Ministry of Information and Broadcasting
 - ☐ 3. Ministry of Communications
 - ☐ 4. Ministry of Electronics and Information Technology

Q.17 Which tool in Windows helps one manage and organize files and folders?

- Ans**
- ☐ 1. Paint
 - ☐ 2. Recycle Bin
 - ☒ 3. File Explorer
 - ☐ 4. Task Manager

Q.18 Which of the following indigenously developed underwater naval mines was successfully tested by DRDO and the Indian Navy in May 2025?

- Ans**
- ☒ 1. Multi-Influence Ground Mine
 - ☐ 2. Barak Mine
 - ☐ 3. Sea Dragon
 - ☐ 4. Varunastra

Q.19 In April 2025, which startup, selected by the Department of Science and Technology (DST) under the National Quantum Mission (NQM), has launched the world's first platform — QShield — that enables seamless cryptography management?

- Ans**
- ☐ 1. AMu Labs
 - ☐ 2. SST Labs
 - ☐ 3. CCS Labs
 - ☒ 4. QNu Labs

Q.20 Which postulate of Dalton's atomic theory reflects the Law of Conservation of Mass?

- Ans**
- ☒ 1. Atoms cannot be created or destroyed in a chemical reaction.
 - ☐ 2. Atoms of different elements have different masses and properties.
 - ☐ 3. Atoms combine in simple whole-number ratios to form compounds.
 - ☐ 4. All matter is made up of indivisible particles called atoms.

Q.21 What was the main aim of TRYSEM (Training for Rural Youth for Self-Employment)?

- Ans**
- ☐ 1. Offering free education in rural areas
 - ☒ 2. Upgrading skills of rural youth to tackle unemployment
 - ☐ 3. Providing loans to farmers
 - ☐ 4. Building infrastructure in v



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Q.22 Which of these was NOT a cause of popular resentment against British rule before 1857?

- Ans**
- ☐ 1. Low wages
 - ☐ 2. High taxes
 - ☒ 3. Religious tolerance
 - ☐ 4. Racial discrimination

Q.23 Padma Vibhushan awardee of 2025, Dr. Lakshminarayana Subramaniam is a famous musician of which instrument?

- Ans**
- ☐ 1. Shehnai
 - ☒ 2. Violin
 - ☐ 3. Sitar
 - ☐ 4. Flute

Q.24 The title Devaputra, used by the Kushana rulers, implies which of the following?

- Ans**
- ☐ 1. Hereditary monarchy
 - ☒ 2. Divine origin or claim to divinity
 - ☐ 3. Heir to Mauryan traditions
 - ☐ 4. Protector of Dharma

Q.25 Who is the director of the film 'Laapataa Ladies', which won Best Picture at the 2025 IIFA Awards?

- Ans**
- ☒ 1. Kiran Rao
 - ☐ 2. Yash Chopra
 - ☐ 3. Farhan Akhtar
 - ☐ 4. Karan Johar

Q.26 Which of the following parts of the plant is primarily responsible for sexual reproduction in angiosperms?

- Ans**
- ☐ 1. Stem
 - ☐ 2. Leaf
 - ☒ 3. Flower
 - ☐ 4. Root

Q.27 The Hazira–Vijaipur–Jagdishpur (HVJ) pipeline is mainly used to transport:

- Ans**
- ☒ 1. natural gas
 - ☐ 2. petrol
 - ☐ 3. crude oil
 - ☐ 4. kerosene

Q.28 Which Indian state shares its border with China, Nepal and Bhutan?

- Ans**
- ☐ 1. Himachal Pradesh
 - ☐ 2. Uttarakhand
 - ☐ 3. Arunachal Pradesh
 - ☒ 4. Sikkim

Q.29 What was the main aim of IRDP (Integrated Rural Development Programme) ?

- Ans**
- ☐ 1. To provide free food to rural families
 - ☐ 2. To promote urban employment
 - ☒ 3. To assist poor rural families in acquiring assets or skills for self-employment
 - ☐ 4. To build schools in villages



Q.30 Which of these is a part of solid waste management infrastructure?

- Ans**
- ☐ 1. Drainage tanks
 - ☒ 2. Garbage collection and disposal
 - ☐ 3. Sewage pipelines
 - ☐ 4. Electricity transmission lines

Q.31 The Wahabi Movement was started by Syed Ahmad, of ____.

- Ans**
- ☐ 1. Hyderabad
 - ☐ 2. Amritsar
 - ☐ 3. Jhansi
 - ☒ 4. Rae Bareli

Q.32 Which Amendment extended the reservation of seats for SCs and STs in the legislatures for another 10 years till 2030?

- Ans**
- ☐ 1. 105th Amendment
 - ☐ 2. 101st Amendment
 - ☒ 3. 104th Amendment
 - ☐ 4. 103rd Amendment

Q.33 The new Indian Ports Bill 2025 seeks to repeal which Indian Act?

- Ans**
- ☐ 1. The Indian Bills of Lading Act, 1856
 - ☐ 2. The Major Port Authorities Act, 2021
 - ☐ 3. The Calcutta Port (Pilotage) Act, 1948
 - ☒ 4. The Indian Ports Act, 1908

Q.34 The Eleventh Schedule of the Indian Constitution relates to which of the following?

- Ans**
- ☐ 1. Functions of municipalities
 - ☐ 2. State list subjects
 - ☒ 3. Powers and responsibilities of Panchayats
 - ☐ 4. Anti-defection law

Q.35 Privatisation under the 1991 reforms primarily involved:

- Ans**
- ☐ 1. increasing agricultural subsidies
 - ☐ 2. reducing bank interest rates
 - ☐ 3. nationalising private companies
 - ☒ 4. selling government shares in public sector enterprises

Q.36 The 'Montreal Protocol' was signed to control the emission of ____.

- Ans**
- ☒ 1. chlorofluorocarbons
 - ☐ 2. carbon dioxide
 - ☐ 3. methane
 - ☐ 4. sulphur dioxide

Q.37 Which of the following organisations collaborated with the Indian Navy for the VLSRSAM launch in March 2025?

- Ans**
- ☐ 1. Hindustan Aeronautics Limited
 - ☐ 2. Bharat Electronics Limited
 - ☐ 3. Bhabha Atomic Research Centre
 - ☒ 4. Defence Research and Development Organisation



Q.38 What key principle did the Supreme Court emphasise in the 2024 Property Owners Association v State of Maharashtra case?

- Ans**
- ☒ 1. Only scarce or vital resources justify state takeover.
 - ☐ 2. Public trust doctrine applies to all private assets.
 - ☐ 3. State can acquire all private properties at will.
 - ☐ 4. Government power overrides individual property rights.

Q.39 Which of the following schemes aims to empower adolescent girls?

- Ans**
- ☐ 1. NRHM
 - ☒ 2. Kishori Shakti Yojana
 - ☐ 3. National Nutrition Mission
 - ☐ 4. Janani Suraksha Yojana

Q.40 Overseas Citizen of India (OCI) holders are:

- Ans**
- ☐ 1. Persons entitled to hold constitutional posts
 - ☐ 2. Indian citizens with voting rights
 - ☐ 3. Dual citizens of India and another country
 - ☒ 4. Foreign nationals with special privileges

Section : Mathematics

Q.1

Simplify: $4\left(\left(\frac{6}{4}\right)x^2 - 25x + 12\right) - 6(x^2 + 5x - 13)$.

- Ans**
- ☒ 1. $-130x + 126$
 - ☐ 2. $130x + 126$
 - ☐ 3. $-130x - 126$
 - ☐ 4. $130x - 126$

Q.2 Which of the following numbers divides 386937355?

- Ans**
- ☐ 1. 3
 - ☐ 2. 15
 - ☒ 3. 5
 - ☐ 4. 14

Q.3 M and N start a business. M invests ₹79,000 more than N for 7 months and N invests for 6 months. M's share is ₹745 more than that of N, out of a total profit of ₹6,705. Find the capital contributed by M.

- Ans**
- ☐ 1. ₹12,00,000
 - ☐ 2. ₹11,80,000
 - ☐ 3. ₹12,05,000
 - ☒ 4. ₹11,85,000

Q.4 Find the value of $[682 \div \{20 + 2 \times (5 - 4)\}]$.

- Ans**
- ☒ 1. 31
 - ☐ 2. 26
 - ☐ 3. 28
 - ☐ 4. 34



Q.5 A book seller gives a 4% discount on the marked price and gives one book free during vacation for buying every pack of 15 books of the same cost, and thus gains 35%. By what percentage is the marked price higher than the cost price?

- Ans**
- ☐ 1. 35%
 - ☐ 2. 25%
 - ☐ 3. 40%
 - ☒ 4. 50%

Q.6 83 mirrors were purchased for ₹83, and 22 mirrors broke in transit. The trader sold the remaining mirrors at ₹3.60 each. Find his profit.

- Ans**
- ☐ 1. ₹144.50
 - ☒ 2. ₹136.60
 - ☐ 3. ₹132.40
 - ☐ 4. ₹127.70

Q.7 The population of a district is 362000, out of which 181000 are males. 47% of the population is literate. If 35% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 61%
 - ☐ 2. 58%
 - ☐ 3. 62%
 - ☒ 4. 59%

Q.8 The average runs scored by a batsman in 23 matches is 40. In the next 10 matches, the batsman scored an average of 16 runs. Find his average runs scored (rounded off to two decimals) in all the 33 matches.

- Ans**
- ☐ 1. 33.73
 - ☐ 2. 34.73
 - ☐ 3. 31.73
 - ☒ 4. 32.73

Q.9 The average price of three items of furniture is ₹5,325. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

- Ans**
- ☐ 1. 7,455
 - ☐ 2. 1,065
 - ☒ 3. 3,195
 - ☐ 4. 5,325

Q.10 If $\sec\theta + \tan\theta = s$, then find the value of $\frac{s^2 - 1}{s^2 + 1}$.

- Ans**
- ☐ 1. $\cot\theta$
 - ☐ 2. $\sec\theta$
 - ☒ 3. $\sin\theta$
 - ☐ 4. $\operatorname{cosec}\theta$

Q.11 ABCD is a quadrilateral in which $AB \parallel DC$, and E and F are the mid points of the diagonals AC and BD, respectively. If $AB = 12$ cm, $BC = 40$ cm, $DC = 30$ cm, and $AD = 45$ cm, then what is the length (in cm) of EF?

- Ans**
- ☒ 1. 9
 - ☐ 2. 8
 - ☐ 3. 5
 - ☐ 4. 13



Q.12 The sides of a triangle are 28 cm, 45 cm, and 53 cm. What is its area? (in cm^2)

- Ans
- ☐ 1. 665
 - ☒ 2. 630
 - ☐ 3. 664
 - ☐ 4. 658

Q.13 Rishi travels 198 km at 66 km/hr, the next 584 km at 73 km/hr and the next 656 km at 82 km/hr. What is his average speed (in km/hr) for the whole journey? (Round off your answer to two decimal places)

- Ans
- ☐ 1. 82.07
 - ☒ 2. 75.68
 - ☐ 3. 82.71
 - ☐ 4. 79.25

Q.14 The LCM of the numbers 6.3 and 0.07 is:

- Ans
- ☐ 1. 63
 - ☐ 2. 0.63
 - ☒ 3. 6.3
 - ☐ 4. 0.063

Q.15 The HCF and LCM of two numbers are 11 and 330, respectively. If one of the numbers is 110, find the other one.

- Ans
- ☒ 1. 33
 - ☐ 2. 90
 - ☐ 3. 75
 - ☐ 4. 72

Q.16 A sum of ₹10,000 amounts to ₹12,321 in 2 years at a certain rate of interest per annum, compounded annually. The rate of interest per annum is:

- Ans
- ☐ 1. 14%
 - ☐ 2. 15%
 - ☒ 3. 11%
 - ☐ 4. 10%

Q.17 *By how much is 65% of 75 greater than $\frac{2}{5}$ of 45?*

- Ans
- ☐ 1. 27.75
 - ☒ 2. 30.75
 - ☐ 3. 28.75
 - ☐ 4. 24.75

Q.18 The cost of 6 pens and 19 pencils is ₹275. If the cost of a pen decreases by ₹7 and the cost of a pencil increases by ₹7, then the cost of 15 pens and 4 pencils is ₹132. What is the original cost of 6 pens and 2 pencils?

- Ans
- ☒ 1. ₹88
 - ☐ 2. ₹92
 - ☐ 3. ₹89
 - ☐ 4. ₹90



Q.19 Evaluate 145^2 .

- Ans
- ☐ 1. 20975
 - ☒ 2. 21025
 - ☐ 3. 21075
 - ☐ 4. 21005

Q.20 If 2 times the mother's age is 26 years more than 4 times her daughter's age, and 3 times the daughter's age is 7 years less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans
- ☐ 1. 21
 - ☐ 2. 24
 - ☒ 3. 19
 - ☐ 4. 23

Q.21 A company earns a profit (in ₹) that is distributed among the company's three partners in the ratio of 5 : 8 : 17. If the difference between the smallest and the largest shares is ₹78,106, the total profit (in ₹) of the company is:

- Ans
- ☐ 1. 1,95,278
 - ☐ 2. 1,95,361
 - ☐ 3. 1,95,302
 - ☒ 4. 1,95,265

Q.22 A man driving a car at a speed of 54 km/hr crosses a bridge in 1.7 minutes. Find the length of the bridge.

- Ans
- ☐ 1. 2.58 km
 - ☐ 2. 2.13 km
 - ☒ 3. 1.53 km
 - ☐ 4. 0.92 km

Q.23 Two cubes of edge 5 cm are joined to form a cuboid. Find the total surface area of the cuboid.

- Ans
- ☐ 1. 25 cm^2
 - ☒ 2. 250 cm^2
 - ☐ 3. 100 cm^2
 - ☐ 4. 125 cm^2

Q.24 Pipe P can fill $\frac{2}{3}$ part of a tank in 24 hours, and pipe Q can fill $\frac{2}{3}$ part of the same tank in 16 hours.

Both P and Q were kept open for 4 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 5 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans
- ☒ 1. 72 hours
 - ☐ 2. 62 hours
 - ☐ 3. 88 hours
 - ☐ 4. 79 hours

Q.25 Find the mean proportional between 19 and 76.

- Ans
- ☐ 1. 36
 - ☐ 2. 37
 - ☒ 3. 38
 - ☐ 4. 39



Q.26 What smallest number should be added to 16809 so that the sum is completely divisible by 41?

- Ans
- ☐ 1. 3
 - ☐ 2. 2
 - ☒ 3. 1
 - ☐ 4. 4

Q.27 The selling price of 16 books is equal to the cost price of 8 books. Find the loss or gain percentage.

- Ans
- ☐ 1. $\frac{100}{8}\%$ gain
 - ☐ 2. 50% gain
 - ☒ 3. 50% loss
 - ☐ 4. $\frac{100}{8}\%$ loss

Q.28 Find the simple interest (in ₹) if a sum of ₹400 is borrowed for 5.5 years at 4% per annum rate of interest.

- Ans
- ☐ 1. 68
 - ☐ 2. 138
 - ☒ 3. 88
 - ☐ 4. 188

Q.29 What is the equivalent single discount for successive discounts of 20% and 10%?

- Ans
- ☐ 1. 27%
 - ☐ 2. 25%
 - ☐ 3. 30%
 - ☒ 4. 28%

Q.30 A can lay railway track between two given stations in 17 days and B can do the same job in 16 days. With the help of C, they did the job in 4 days only. Then, C alone can do the job in

- Ans
- ☐ 1. $10\frac{27}{35}$ days
 - ☒ 2. $7\frac{27}{35}$ days
 - ☐ 3. $13\frac{27}{35}$ days
 - ☐ 4. $11\frac{27}{35}$ days

Section : General Intelligence and Reasoning

Q.1 Raghunandan walks 325 m towards the west to reach a cloth showroom. Then he turns to the right and walks 220 m straight to reach the fitness centre. Again, he turns to the right and walks for 200 m straight. Then, he turns to the right again and walks for 220 m. How far is he from the starting point?(All turns are 90-degree turns only, unless specified.)

- Ans
- ☒ 1. 125 m
 - ☐ 2. 120 m
 - ☐ 3. 105 m
 - ☐ 4. 150 m



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Q.2 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$28 + 125 \times 5 - 12 \div 3 = ?$$

- Ans**
- ☒ 1. 28
 - ☒ 2. 46
 - ☒ 3. 39
 - ☒ 4. 21

Q.3 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

37, 62
52, 77

- Ans**
- ☒ 1. 81, 96
 - ☒ 2. 69, 88
 - ☒ 3. 64, 84
 - ☒ 4. 46, 71

Q.4 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

NUB 63, JQX 54, FMT 45, BIP 36, XEL 27, ?

- Ans**
- ☒ 1. TAI 17
 - ☒ 2. UAH 20
 - ☒ 3. TMH 15
 - ☒ 4. TAH 18

Q.5 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. ORM
 - ☒ 2. VYT
 - ☒ 3. RUP
 - ☒ 4. LOI

Q.6 What should come in place of the question (?) in the given series?

53 70 91 116 145 ?

- Ans**
- ☒ 1. 171
 - ☒ 2. 194
 - ☒ 3. 186
 - ☒ 4. 178



Q.7 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. SV-UX
 - ☒ 2. DG-FI
 - ☒ 3. BE-DG
 - ☒ 4. EI-HK

Q.8 Eight people, S, T, U, V, W, X, Y and Z, are sitting in a straight line. All are facing towards the north. S sits third from the extreme left end of the line. W is an immediate neighbour of V. Only U sits between S and W. Z is sitting at the extreme right end of the line. T is an immediate neighbour of both Y and S. How many people sit to the right of W?

- Ans**
- ☒ 1. Three
 - ☒ 2. Four
 - ☒ 3. One
 - ☒ 4. Two

Q.9 What should come in place of the question mark (?) in the given series?

442 530 626 730 842 ?

- Ans**
- ☒ 1. 901
 - ☒ 2. 1025
 - ☒ 3. 962
 - ☒ 4. 1090

Q.10 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All forests are hills.
Some hills are deserts.

Conclusions:

(I): All hills are forests.
(II): Some deserts are hills.

- Ans**
- ☒ 1. Only Conclusion II follows
 - ☒ 2. Only Conclusion I follows
 - ☒ 3. Both Conclusions I and II follow
 - ☒ 4. Neither Conclusion I nor II follows

Q.11 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All bottles are ludo.
All ludo are dancer.

Conclusions:

(I): Some dancers are ludo.
(II): All bottles are dancers.

- Ans**
- ☒ 1. Both conclusions (I) and (II) follow.
 - ☒ 2. Neither conclusion (I) nor (II) follows.
 - ☒ 3. Only conclusion (II) follows.
 - ☒ 4. Only conclusion (I) follows.



Q.12 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

IUP -1 MRN -3 ? ULJ -27 YIH -81

- Ans**
- ☐ 1. YFQ -7
 - ☐ 2. PQS -7
 - ☒ 3. QOL -9
 - ☐ 4. QOP -9

Q.13 Shekhar ranked 7th from the top and 38th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 42
 - ☐ 2. 45
 - ☒ 3. 44
 - ☐ 4. 43

Q.14 In a certain code language,
A + B means 'A is the son of B',
A – B means 'A is the sister of B',
A x B means 'A is the wife of B' and
A ÷ B means 'A is the father of B'.

How is Q related to D if 'Q ÷ E – R x C + D'?

- Ans**
- ☐ 1. Brother
 - ☐ 2. Father
 - ☒ 3. Son's wife's father
 - ☐ 4. Son's wife's brother

Q.15 HOLN is related to XGBF in a certain way based on the English alphabetical order. In the same way, TIXH is related to JANZ. To which of the given options is PKTJ related, following the same logic?

- Ans**
- ☐ 1. FCBJ
 - ☐ 2. FCBH
 - ☐ 3. FHBC
 - ☒ 4. FCJB

Q.16 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. JQN
 - ☐ 2. HOK
 - ☐ 3. FMI
 - ☐ 4. LSO

Q.17 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$26 \times 2 - 21 + 7 \div 4 = ?$$

- Ans**
- ☐ 1. 11
 - ☒ 2. 6
 - ☐ 3. 18
 - ☐ 4. 25



Q.18 What should come in place of the question mark (?) in the given series?

934 924 925 915 916 906 ? 897

- Ans**
- ☐ 1. 896
 - ☐ 2. 908
 - ☒ 3. 907
 - ☐ 4. 895

Q.19 In a certain code language, 'MAZE' is coded as '3527' and 'AIDS' is coded as '2416'. What is the code for 'A' in the given code language?

- Ans**
- ☐ 1. 4
 - ☒ 2. 2
 - ☐ 3. 1
 - ☐ 4. 5

Q.20 WPKD is related to TNHB in a certain way based on the English alphabetical order. In the same way, KHYV is related to HFVT. To which of the given options is BBPP related, following the same logic?

- Ans**
- ☐ 1. YZNM
 - ☐ 2. YMZN
 - ☒ 3. YZMN
 - ☐ 4. YZSD

Q.21 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 8317456, what will be the sum of the digits that are second from the left and second from the right?

- Ans**
- ☐ 1. 6
 - ☐ 2. 12
 - ☒ 3. 10
 - ☐ 4. 8

Q.22 This question is based on the five, three-digit numbers given below.
(Left) 126 257 352 984 751 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If 2 is added in the third digit of each number, how many numbers thus formed will be odd numbers?

- Ans**
- ☐ 1. One
 - ☒ 2. Two
 - ☐ 3. Three
 - ☐ 4. None

Q.23 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) 2 % / < 9 \$ / % 6 * 4 5 8 # ? > 2 2 + 2 \ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another symbol?

- Ans**
- ☒ 1. Three
 - ☐ 2. One
 - ☐ 3. Two
 - ☐ 4. None



Q.24 1 is subtracted from each even digit of the number 95423671 and then the digits are arranged in ascending order from left to right. Find the sum of the digits that are second from the left and third from the right.

- Ans**
- ☐ 1. 9
 - ☐ 2. 7
 - ☒ 3. 6
 - ☐ 4. 5

Q.25 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only four boxes are kept between C and F. Only A is kept above C. Only two boxes are kept between D and E. G is kept immediately above B. E is not kept immediately above G. How many boxes are kept above G?

- Ans**
- ☐ 1. 1
 - ☒ 2. 3
 - ☐ 3. 4
 - ☐ 4. 2

Q.26 Harini starts from Point Y and drives 7 km towards the south. She then takes a left turn, drives 14 km. She then turns left and drives 7 km. She takes a final left turn, drives 18 km and stops at Point Z. How far (shortest distance) and towards which direction should she drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified)

- Ans**
- ☐ 1. 10 km towards south
 - ☐ 2. 8 km towards west
 - ☐ 3. 1 km towards north
 - ☒ 4. 4 km towards east

Q.27 Seven boxes F, G, H, I, K, L, and O are kept one over the other but not necessarily in the same order. Only three boxes are kept below H. Only two boxes are kept between H and O. Only L is kept above G. F is kept at some place below I and at some place above K. Which box is kept at second position from the bottom?

- Ans**
- ☐ 1. O
 - ☐ 2. G
 - ☐ 3. F
 - ☒ 4. K

Q.28 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

HTO : DWK
XHE : TKA

- Ans**
- ☒ 1. PNW : LQS
 - ☐ 2. FCV : KZQ
 - ☐ 3. HKV : ENS
 - ☐ 4. YFH : UKD

Q.29 L, M, N, O, Q, R and S are sitting around a circular table, facing the centre of the table. Only one person sits between Q and S when counted from the right of Q. Only one person sits between S and N. Only one person sits between Q and R. Only two people sit between L and N. Only one person sits between O and R. Who sits third to the right of M?

- Ans**
- ☒ 1. S
 - ☐ 2. L
 - ☐ 3. N
 - ☐ 4. O



Q.30 In a certain code language, 'BEST' is coded as '3527' and 'EARN' is coded as '1246'.
What is the code for 'E' in the given code language?

Ans  1. 2

 2. 5

 3. 1

 4. 6



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रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	13/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 In March 2025, which company unveiled Vayu, an overall AI cloud offering for enterprises?

- Ans**
- ☒ 1. Reliance Communication
 - ☒ 2. Tata Communication
 - ☐ 3. Airtel Communication
 - ☐ 4. Bajaj Communication

Q.2 Which act gave statutory status to the Central Vigilance Commission (CVC)?

- Ans**
- ☐ 1. The Central Vigilance Commission Act, 1964
 - ☒ 2. The Central Vigilance Commission Act, 2003
 - ☐ 3. Prevention of Corruption Act, 1988
 - ☐ 4. Lokpal Act, 2013

Q.3 The Earth completes one rotation on its axis approximately in:

- Ans**
- ☐ 1. 365 days
 - ☒ 2. 24 hours
 - ☐ 3. 30 days
 - ☐ 4. 12 hours

Q.4 Which British Prime Minister officially announced the decision to grant independence to India and withdraw British forces from the subcontinent?

- Ans**
- ☐ 1. Stafford Cripps
 - ☐ 2. Pethick Lawrence
 - ☒ 3. Clement Atlee
 - ☐ 4. Winston Churchill

Q.5 What was the theme of the 10th Governing Council Meeting of NITI Aayog that was held on 24 May 2025?

- Ans**
- ☐ 1. Sustainable Growth for India
 - ☐ 2. Viksit Bharat for All
 - ☐ 3. Empowering States for Development
 - ☒ 4. Viksit Rajya for Viksit Bharat@2047



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Q.6 Which of the following schemes on Compressed Bio Gas (CBG) encourages entrepreneurs to set up CBG plants, produce and supply CBG to Oil Marketing Companies (OMCs) for sale as automotive and industrial fuels?

- Ans**
- ☐ 1. Biogas Programme (India)
 - ☐ 2. Waste to Energy Programme (India)
 - ☐ 3. Cent Compressed Bio Gas (CBG) Scheme (India)
 - ☒ 4. Sustainable Alternative Towards Affordable Transportation (SATAT)

Q.7 Which of the following belongs to the Lakshadweep group of islands?

- Ans**
- ☒ 1. Kannur Islands
 - ☐ 2. Kamorta Island
 - ☐ 3. Chowra Island
 - ☐ 4. Milo Island

Q.8 Which of the following British officials found India as an uncivilised country and had to be civilised, following which the English Education Act of 1835 was introduced?

- Ans**
- ☐ 1. Henry Thomas Colebrooke
 - ☐ 2. William Jones
 - ☒ 3. Thomas Macaulay
 - ☐ 4. Nathaniel Halhed

Q.9 Which of the following two rice varieties were unveiled as a part of India's genome-editing initiative in May 2025?

- Ans**
- ☒ 1. Kamala and Pusa DST Rice 1
 - ☐ 2. Pusa DST Rice 2 and Swarna Rice
 - ☐ 3. Swarna Rice and Golden Rice
 - ☐ 4. Kamala and Basmati Gold

Q.10 Which of the following Vedic words literally means search for cows and also refers to battle?

- Ans**
- ☐ 1. Duhitri
 - ☒ 2. Gaveshana
 - ☐ 3. Gopala
 - ☐ 4. Gomat

Q.11 Which Article of the Constitution deals with the reservation of seats for Scheduled Castes and Scheduled Tribes in the Lok Sabha?

- Ans**
- ☐ 1. Article 332
 - ☐ 2. Article 331
 - ☐ 3. Article 334
 - ☒ 4. Article 330

Q.12 Which of the following is the primary objective of the Shyama Prasad Mukherji Rurban Mission (SPMRM)?

- Ans**
- ☐ 1. Electrification of rural households
 - ☒ 2. Development of rural clusters with urban-like facilities
 - ☐ 3. Skill development for rural youth
 - ☐ 4. Ensuring 100 days of wage employment in rural areas



Q.13 What does the keyboard shortcut Ctrl + R do in web browsers?

- Ans**
- ☐ 1. Renames a file or folder
 - ☐ 2. Runs a program
 - ☒ 3. Refreshes the active window
 - ☐ 4. Restores deleted files

Q.14 Which of the following is an example of structural unemployment?

- Ans**
- ☐ 1. A worker choosing not to work due to a lack of job opportunities
 - ☐ 2. A worker being unable to find a job due to discrimination
 - ☐ 3. A worker losing their job due to a recession
 - ☒ 4. A worker being unable to find a job due to a lack of skills in a new and expanding industry

Q.15 What is the term period of the Comptroller and Auditor General (CAG) of India?

- Ans**
- ☐ 1. 5 years or 62 years
 - ☐ 2. 6 years or 60 years
 - ☒ 3. 6 years or 65 years
 - ☐ 4. 4 years or 60 years

Q.16 The northern part of the plains along the Bay of Bengal is referred to as the Northern Circar, while the southern part is known as the _____.

- Ans**
- ☐ 1. Southern Circar
 - ☐ 2. Utkal Plains
 - ☒ 3. Coromandel Coast
 - ☐ 4. Andhra Plains

Q.17 Who was honoured with the Luminous Lummer Dai Literary Award in 2025 for their contributions to Assamese literature?

- Ans**
- ☐ 1. Nirupama Borgohain
 - ☐ 2. Indira Goswami
 - ☒ 3. Ramchandra Chutia
 - ☐ 4. Homen Borgohain

Q.18 Which of the following is a correct representation of a compound formed by ionic bonding?

- Ans**
- ☐ 1. H₂O
 - ☐ 2. CO₂
 - ☒ 3. NaCl
 - ☐ 4. NH₃

Q.19 Which of the following countries does Amelia Kerr, the ICC Women's T20I Cricketer of the Year 2024, represent?

- Ans**
- ☒ 1. New Zealand
 - ☐ 2. Australia
 - ☐ 3. South Africa
 - ☐ 4. England

Q.20 In May 2025, Prime Minister Narendra Modi dedicated 103 redeveloped railway stations under which of the following schemes?

- Ans**
- ☐ 1. Smart Rail Mission
 - ☐ 2. Udan Scheme
 - ☒ 3. Amrit Bharat Station Scheme
 - ☐ 4. Bharat Mala Scheme



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Q.21 In which of the following geographical areas of India is Kumaoni spoken by a significant portion of the population?

- Ans**
- ☐ 1. Himachal Pradesh
 - ☐ 2. West Bengal
 - ☒ 3. Uttarakhand
 - ☐ 4. Jammu and Kashmir

Q.22 Who is credited with the discovery of the nucleus through the gold foil experiment?

- Ans**
- ☐ 1. Bohr
 - ☒ 2. Ernest Rutherford
 - ☐ 3. John Dalton
 - ☐ 4. Lavoisier

Q.23 Which of the following chemical reactions does NOT represent a balanced equation?

- Ans**
- ☐ 1. $3\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 4\text{H}_2$
 - ☒ 2. $4\text{Fe} + 3\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 2\text{H}_2$
 - ☐ 3. $\text{Fe} + \text{H}_2\text{O} \rightarrow \text{FeO} + \text{H}_2$
 - ☐ 4. $2\text{Fe} + 3\text{H}_2\text{O} \rightarrow \text{Fe}_2\text{O}_3 + 3\text{H}_2$

Q.24 Which exercise in 2025 involved India and the United States focusing on amphibious warfare and HADR?

- Ans**
- ☐ 1. Exercise Vajra Prahar
 - ☐ 2. Exercise Malabar
 - ☒ 3. Exercise Tiger Triumph
 - ☐ 4. Exercise Yudh Abhyas

Q.25 Which of the following minerals is known as 'Brown Gold' in India?

- Ans**
- ☐ 1. Mica
 - ☐ 2. Copper
 - ☐ 3. Bauxite
 - ☒ 4. Lignite

Q.26 According to the IMF's World Economic Outlook released in April 2025, what is India's projected economic growth rate for the year 2025?

- Ans**
- ☒ 1. 6.2%
 - ☐ 2. 5.6%
 - ☐ 3. 6.5%
 - ☐ 4. 4.8%

Q.27 Which of the following central services holds the highest prestige, pay and emoluments among its peers?

- Ans**
- ☒ 1. Indian Foreign Service
 - ☐ 2. Indian Defence Accounts Service
 - ☐ 3. Indian Postal Service
 - ☐ 4. Indian Audit and Accounts Service

Q.28 According to Article 79 of the Indian Constitution, the Parliament of India consists of:

- Ans**
- ☐ 1. only Lok Sabha and Rajya Sabha
 - ☐ 2. Prime Minister, Lok Sabha, and Rajya Sabha
 - ☒ 3. President, Lok Sabha, and Rajya Sabha
 - ☐ 4. President, Vice President, and Prime Minister



Q.29 During the Mughal period, the Ain-i-Dahsala system was introduced by _____.

- Ans**
- ☐ 1. Babur
 - ☐ 2. Shah Jahan
 - ☒ 3. Akbar
 - ☐ 4. Aurangzeb

Q.30 The Tehri Dam, which serves multiple purposes including power generation, is built on which river?

- Ans**
- ☐ 1. Yamuna
 - ☐ 2. Ganga
 - ☐ 3. Sutlej
 - ☒ 4. Bhagirathi

Q.31 In which State has India's first integrated API Green Hydrogen and 2G Ethanol plant been established?

- Ans**
- ☒ 1. Himachal Pradesh
 - ☐ 2. Uttarakhand
 - ☐ 3. Goa
 - ☐ 4. Andhra Pradesh

Q.32 Special Economic Zones (SEZs) were established to promote export-oriented industrialisation. What is a primary incentive offered to firms operating in SEZs?

- Ans**
- ☐ 1. Higher import duties
 - ☐ 2. Strict labour laws
 - ☒ 3. Tax holidays and infrastructure support
 - ☐ 4. Ban on foreign investments

Q.33 Special provisions for certain states are covered under which Part of the Indian Constitution?

- Ans**
- ☐ 1. Part XIX
 - ☐ 2. Part XXII
 - ☐ 3. Part XX
 - ☒ 4. Part XXI

Q.34 In May 2025, the Ministry of Education launched a nationwide enforcement drive around schools and colleges for what purpose?

- Ans**
- ☐ 1. Focusing on mental health awareness
 - ☐ 2. Improving safety measures for female students
 - ☐ 3. Promote positive campus culture and prevent incidents of ragging
 - ☒ 4. Making educational institutions free from tobacco and substance

Q.35 Which major Indian company was privatised in the 2000s under the Government of India's disinvestment policy?

- Ans**
- ☒ 1. Maruti Udyog Limited
 - ☐ 2. ISRO
 - ☐ 3. BSNL
 - ☐ 4. LIC

Q.36 What happens when a user renames a file in MS Windows?

- Ans**
- ☐ 1. The file is converted into a different format.
 - ☐ 2. The file is moved to a different location.
 - ☐ 3. The file is deleted and a new file is created
 - ☒ 4. The file's name changes

Q.37 Which nationwide civil defence exercise, conducted on May 7, 2025 by the Ministry of Home Affairs and the National Disaster Management Authority, involved 244 districts across India to enhance emergency preparedness?

- Ans**
- ☐ 1. Operation Raksha
 - ☒ 2. Operation Abhyaas
 - ☐ 3. Operation Trinetra
 - ☐ 4. Operation Suraksha

Q.38 Which district in Nagaland was officially declared as the state's 17th district in November 2024?

- Ans**
- ☐ 1. Noklak
 - ☒ 2. Meluri
 - ☐ 3. Shamator
 - ☐ 4. Tseminyu

Q.39 The International Theatre Festival of India, Bharat Rang Mahotsav (BRM), held in Bengaluru from 1 February 2025 to 8 February 2025, was organised by which of the following institutions?

- Ans**
- ☐ 1. Sangeet Natak Akademi
 - ☒ 2. National School of Drama
 - ☐ 3. Indian Council for Cultural Relations
 - ☐ 4. Kalidasa Kalakendram

Q.40 Who among the following formed a Satyagraha Sabha on 24 February 1919 in Bombay to protest against the Rowlatt Bills?

- Ans**
- ☐ 1. Motilal Nehru
 - ☐ 2. Maulana Abul Kalam Azad
 - ☐ 3. Sardar Vallabhbhai Patel
 - ☒ 4. Mahatma Gandhi

Section : Mathematics

Q.1 The number of prime numbers lying between 476 and 491, both included, is:

- Ans**
- ☐ 1. 4
 - ☐ 2. 2
 - ☐ 3. 5
 - ☒ 4. 3

Q.2 A bus travelling at 75 km/hr completes a journey in 17 hours. What should be its speed to cover the same distance in 5 hours?

- Ans**
- ☒ 1. 255 km/hr
 - ☐ 2. 264 km/hr
 - ☐ 3. 261 km/hr
 - ☐ 4. 247 km/hr

Q.3 Find the value of $48^{-17} \div 48^{12} \times 48^{-13}$.

- Ans**
- ☐ 1. 48^{-34}
 - ☐ 2. 48^{-37}
 - ☐ 3. 48^{-35}
 - ☒ 4. 48^{-42}



Q.4 Sneha, Yash and Rohan invested ₹1,090, ₹1,170 and ₹1,340, respectively to start a business. If the profit at the end of the year is ₹1,620, what is Rohan's share of the profit?

- Ans**
- ☒ 1. ₹603
 - ☐ 2. ₹605
 - ☐ 3. ₹606
 - ☐ 4. ₹602

Q.5 The number 587407 is divisible by which of the following?

- Ans**
- ☐ 1. 34
 - ☐ 2. 43
 - ☒ 3. 41
 - ☐ 4. 47

Q.6 On a marked price, the difference between the selling prices with a single discount of 40% and two successive discounts of 15% and 20% is ₹400, then find the marked price (in ₹).

- Ans**
- ☐ 1. ₹5,150
 - ☐ 2. ₹4,900
 - ☒ 3. ₹5,000
 - ☐ 4. ₹4,950

Q.7 Find the volume of the cylinder whose height and radius are 7 cm and 3 cm, respectively (use $\pi = 3.14$).

- Ans**
- ☐ 1. 193.58 cm^3
 - ☐ 2. 190.01 cm^3
 - ☐ 3. 195.68 cm^3
 - ☒ 4. 197.82 cm^3

Q.8 By selling 6 articles for a rupee, a man loses 30%. To gain 40% how many must he sell for a rupee?

- Ans**
- ☐ 1. 5
 - ☐ 2. 4
 - ☐ 3. 2
 - ☒ 4. 3

Q.9 The marks scored by 10 students are given below.
19, 14, 11, 20, 18, 17, 14, 10, 11, 11
The mode of the given data is:

- Ans**
- ☐ 1. 19
 - ☐ 2. 14
 - ☒ 3. 11
 - ☐ 4. 20

Q.10 Shivam got an increase of 4% in his sales amount in the first year and 25% in the second year; also with this, his current sales are ₹1,40,400, what was his sales (in ₹) two years ago?

- Ans**
- ☐ 1. ₹88,000
 - ☐ 2. ₹1,12,320
 - ☐ 3. ₹1,35,000
 - ☒ 4. ₹1,08,000



Q.11 Which of the following ratio is greatest?

Ans ☒ 1. 46 : 75

☐ 2. 34 : 77

☐ 3. 39 : 89

☐ 4. 36 : 69

Q.12 If $3\sin^2 \theta + 7\cos^2 \theta = 4$, $0^\circ < \theta < 90^\circ$, then the value of θ (in degrees) is:

Ans ☐ 1. 45°

☒ 2. 60°

☐ 3. 30°

☐ 4. 15°

Q.13 The selling price of 20 books is equal to the cost price of 24 books. Find the loss or gain percentage on these books.

Ans ☐ 1. 20% loss

☒ 2. 20% gain

☐ 3. $\frac{100}{4}\%$ loss

☐ 4. $\frac{100}{4}\%$ gain

Q.14 A can lay railway track between two given stations in 22 days and B can do the same job in 11 days. With the help of C, they did the job in 4 days only. Then, C alone can do the job in

Ans ☐ 1. $11\frac{4}{5}$ days

☐ 2. $17\frac{4}{5}$ days

☒ 3. $8\frac{4}{5}$ days

☐ 4. $13\frac{4}{5}$ days

Q.15 Find the circumference (in m) of the largest circle that can be drawn completely inside a rectangle whose dimensions are given as 249 m and 168 m.

(Take $\pi = \frac{22}{7}$.)

Ans ☐ 1. 521

☒ 2. 528

☐ 3. 530

☐ 4. 536

Q.16 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 76^\circ$. E is a point on BC such that $\angle CAE = 74^\circ$. What is the measure of $\angle AEB$?

Ans ☒ 1. 88°

☐ 2. 99°

☐ 3. 77°

☐ 4. 100°



Q.17 Four times P's present age exceeds Q's present age by 41 years. After 10 years, three times Q's age will be 33 years less than seven times P's age at that time. What is Q's present age?

- Ans**
- ☒ 1. 71
 - ☒ 2. 63
 - ☒ 3. 67
 - ☒ 4. 62

Q.18 The marked price of a shirt is ₹1,250; the shopkeeper offers a scheme of 'buy four get two free'. What amount does a customer have to pay for taking home six shirts?

- Ans**
- ☒ 1. ₹5,200
 - ☒ 2. ₹5,000
 - ☒ 3. ₹4,500
 - ☒ 4. ₹4,200

Q.19 Pipe P can fill $\frac{7}{9}$ part of a tank in 14 hours and pipe Q can fill $\frac{5}{9}$ part of the same tank in 20 hours.

Both P and Q were kept open for 2 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 6 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans**
- ☒ 1. 19 hours
 - ☒ 2. 18 hours
 - ☒ 3. 3 hours
 - ☒ 4. 12 hours

Q.20 A number, when increased by 70%, gives 3230. The number is:

- Ans**
- ☒ 1. 1900
 - ☒ 2. 950
 - ☒ 3. 5700
 - ☒ 4. 3800

Q.21 The value of $\sqrt{144} + \sqrt{0.0225} - \sqrt{6.25} =$

- Ans**
- ☒ 1. 6.94
 - ☒ 2. 7.22
 - ☒ 3. 9.65
 - ☒ 4. 3.27

Q.22 The sum of the squares of two consecutive even natural numbers is 1684. The sum of the numbers is:

- Ans**
- ☒ 1. 42
 - ☒ 2. 66
 - ☒ 3. 48
 - ☒ 4. 58

Q.23 Sapna invested ₹21,300 on simple interest, partly at 14% per annum and partly at 11% per annum. If she earns equal interests from the two investments after 3 years, then find the sum invested at 14% per annum (in ₹).

- Ans**
- ☒ 1. 9,372
 - ☒ 2. 9,373
 - ☒ 3. 9,369
 - ☒ 4. 9,374



Q.24 The average of first 161 even numbers is

- Ans
- ☐ 1. 163
 - ☐ 2. 162.5
 - ☐ 3. 161.5
 - ☒ 4. 162

Q.25 M and N start a business. M invests ₹38,000 more than N invests for 2 months and N for 3 months. M's share is ₹461 more than that of N, out of a total profit of ₹6,915. Find the capital contributed by M.

- Ans
- ☐ 1. ₹91,400
 - ☐ 2. ₹91,800
 - ☒ 3. ₹91,200
 - ☐ 4. ₹91,000

Q.26 Simplify: $x(2x - 8) + 5(x^2 - 3) + 12$

- Ans
- ☐ 1. $7x^2 - 8x + 3$
 - ☐ 2. $-7x^2 - 8x - 3$
 - ☒ 3. $7x^2 - 8x - 3$
 - ☐ 4. $-7x^2 - 8x + 3$

Q.27 Find the simple interest (in ₹) on ₹4,000 at 6.75% per annum rate of interest deposited on 26 February 2024 and withdrawn on 27 April 2024.

- Ans
- ☐ 1. ₹46
 - ☐ 2. ₹44
 - ☐ 3. ₹43
 - ☒ 4. ₹45

Q.28 The HCF and the LCM of two numbers are 83 and 498, respectively. If one of the numbers is 166, find the other one.

- Ans
- ☐ 1. 166
 - ☐ 2. 230
 - ☐ 3. 332
 - ☒ 4. 249

Q.29 Yash travels 200 km at 25 km/hr, the next 210 km at 21 km/hr and the next 204 km at 51 km/hr. What is his average speed (in km/hr) for the whole journey? (Round off your answer to two decimal places)

- Ans
- ☐ 1. 30.01
 - ☐ 2. 27.22
 - ☒ 3. 27.91
 - ☐ 4. 18.68

Q.30 The number of prime numbers lying between 468 and 476, both included, is:

- Ans
- ☒ 1. 0
 - ☐ 2. 1
 - ☐ 3. 5
 - ☐ 4. 2



Q.1 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then what will be come in place of the question mark (?) in the following equation?

$$18 A 3 D 8 B 2 C 12 = ?$$

- Ans
- ☐ 1. 12
 - ☐ 2. 7
 - ☒ 3. 2
 - ☐ 4. 10

Q.2 In a certain code language,
'A = B' means 'A is the mother of B',
'A \$ B' means 'A is the brother of B',
'A @ B' means 'A is the wife of B' and
'A * B' means 'A is the father of B'.

How is W related to R if $W \$ A = C @ D * R$?

- Ans
- ☐ 1. Brother
 - ☐ 2. Mother's father
 - ☒ 3. Mother's mother's brother
 - ☐ 4. Father

Q.3 In a certain code language, 'DELT' is coded as '1473' and 'BLED' is coded as '7234'.
What is the code for 'B' in the given code language?

- Ans
- ☐ 1. 3
 - ☐ 2. 7
 - ☐ 3. 4
 - ☒ 4. 2

Q.4 Seven boxes G, H, I, K, L, M and S are kept one over the other but not necessarily in the same order. Only four boxes are kept between I and K. Only S is kept above I. Only two boxes are kept between M and G. H is kept immediately above L. G is not kept immediately above H. Which box is kept fourth from the top?

- Ans
- ☐ 1. L
 - ☒ 2. H
 - ☐ 3. G
 - ☐ 4. M

Q.5 L, M, N, O, Q, R, and S are sitting around a circular table facing the centre of the table. R sits third to the left of O. Only one person sits between O and S when counted from the left of S. Only two people sit between Q and L when counted from the right of L. N is an immediate neighbour of Q.
Who sits third to the right of M?

- Ans
- ☐ 1. N
 - ☐ 2. L
 - ☒ 3. R
 - ☐ 4. Q

Q.6 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FIL ADG VYB QTW ?

- Ans
- ☐ 1. LRO
 - ☒ 2. LOR
 - ☐ 3. RLO
 - ☐ 4. ROL



Q.7 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

MUV : QPZ
UKD : YFH

- Ans**
- ☒ 1. TLW : XQA
 - ☒ 2. FCV : KZQ
 - ☒ 3. CAL : GVP
 - ☒ 4. SLU : VGX

Q.8 In a certain code language, 'LOAN' is coded as '4257' and 'NIKE' is coded as '1346'. What is the code for 'N' in the given code language?

- Ans**
- ☒ 1. 1
 - ☒ 2. 6
 - ☒ 3. 7
 - ☒ 4. 4

Q.9 Each of the digits in the number 95423671 is arranged in ascending order from left to right. What will be the sum of the digits that are third from the left and fourth from the right in the new number thus formed?

- Ans**
- ☒ 1. 10
 - ☒ 2. 11
 - ☒ 3. 8
 - ☒ 4. 9

Q.10 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. NQ-SL
 - ☒ 2. JM-OH
 - ☒ 3. CF-HB
 - ☒ 4. FI-KD

Q.11 What should come in place of the question mark (?) in the given series?

561 562 564 ? 571 576

- Ans**
- ☒ 1. 569
 - ☒ 2. 566
 - ☒ 3. 567
 - ☒ 4. 568

Q.12 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only C is kept above D. Only two boxes are kept between D and E. Only A is kept below B. F is not kept immediately above E. How many boxes are kept between B and F?

- Ans**
- ☒ 1. One
 - ☒ 2. Two
 - ☒ 3. Three
 - ☒ 4. Four



Q.13 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$7 \div 4 + 20 - 72 \times 6 = ?$$

- Ans**
- ☐ 1. 33
 - ☐ 2. 26
 - ☐ 3. 13
 - ☒ 4. 20

Q.14 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

Z122Y V101U R82Q N65M ?

- Ans**
- ☐ 1. J49I
 - ☐ 2. K50L
 - ☒ 3. J50I
 - ☐ 4. K49L

Q.15 Seven people G, H, I, K, L, M and S are sitting in a row, facing north. Only three people sit between I and S. M sits to the immediate left of S. No one sits to the right of H. Only two people sit between H and M. K sits to the immediate right of L. How many people sit between G and K?

- Ans**
- ☐ 1. One
 - ☐ 2. Three
 - ☐ 3. Four
 - ☒ 4. Two

Q.16 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. MHN
 - ☒ 2. SNU
 - ☐ 3. PKQ
 - ☐ 4. IDJ

Q.17 CHRX is related to HMXD in a certain way based on the English alphabetical order. In the same way, WBPV is related to BGVB. To which of the given options is LQHN related, following the same logic?

- Ans**
- ☐ 1. QTNV
 - ☐ 2. QVTN
 - ☐ 3. QTYU
 - ☒ 4. QVNT

Q.18 What should come in place of the question mark (?) in the given series?

18 23 17 24 16 ?

- Ans**
- ☐ 1. 20
 - ☐ 2. 34
 - ☒ 3. 25
 - ☐ 4. 28



Q.19 Seven boxes C, D, E, M, N, O and P are kept one over the other but not necessarily in the same order.
Only D is kept above C. Only E is kept between C and M. Only P is kept below N.
How many boxes are kept between O and P?

- Ans**
- ☐ 1. Two
 - ☐ 2. Four
 - ☐ 3. Three
 - ☒ 4. One

Q.20 Laxman starts from Point A and drives 7 km towards south. He then takes a right turn, drives 8 km, turns right and drives 9 km. He then takes a right turn and drives 9 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 2 km to west
 - ☐ 2. 3 km to west
 - ☒ 3. 1 km to west
 - ☐ 4. 4 km to west

Q.21 FI 11 is related to KN 8 in a certain way. In the same way, NQ 25 is related to SV 22. To which of the following is OR 17 related, following the same logic?

- Ans**
- ☐ 1. TW 15
 - ☐ 2. UW 14
 - ☐ 3. JM 11
 - ☒ 4. TW 14

Q.22 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All bricks are spoons. No brick is a cricket.

Conclusion (I): Some crickets are spoons.

Conclusion (II): All spoons are crickets.

- Ans**
- ☐ 1. Only conclusion (I) follows.
 - ☐ 2. Only conclusion (II) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☐ 4. Both conclusions (I) and (II) follow.

Q.23 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some homestays are resorts.
Some resorts are palaces.

Conclusions:

(I) Some homestays are palaces.
(II) All palaces are resorts.

- Ans**
- ☐ 1. Only conclusion (II) follows.
 - ☒ 2. Neither conclusion (I) nor (II) follows.
 - ☐ 3. Only conclusion (I) follows.
 - ☐ 4. Both conclusions (I) and (II) follow.



Q.24 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$32 + 8 \times 2 - 12 \div 5 = ?$$

- Ans**
- ☐ 1. 85
 - ☒ 2. 88
 - ☐ 3. 89
 - ☐ 4. 87

Q.25 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. YEI
 - ☐ 2. BIL
 - ☐ 3. PWZ
 - ☐ 4. OYV

Q.26 This question is based on the five, three-digit numbers given below.
(Left) 475 648 857 591 362 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If 1 is added to the third digit of every number, then how many numbers will become even?

- Ans**
- ☐ 1. None
 - ☐ 2. Two
 - ☒ 3. Three
 - ☐ 4. One

Q.27 What should come in place of the question mark (?) in the given series?

6 6 7 11 20 ?

- Ans**
- ☐ 1. 38
 - ☐ 2. 35
 - ☒ 3. 36
 - ☐ 4. 37

Q.28 Refer to the following number and symbol series and answer the question. Counting to be done from left to right only.

(Left) @ 3 5 1 7 % @ 2 © 1 © © 4 4 9 & © 1 © £ 5 5 (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☐ 1. 4
 - ☐ 2. 1
 - ☐ 3. 3
 - ☒ 4. 2



Q.29 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

24, 66
18, 48

- Ans**
-  1. 22, 58
 -  2. 30, 84
 -  3. 20, 56
 -  4. 28, 74

Q.30 Tirtha starts from Point Y and drives 23 km towards north. He then takes a right turn, drives 12 km. He then turns right and drives 27 km. He takes a final right turn, drives 12 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans**
-  1. 9 km towards west
 -  2. 5 km towards east
 -  3. 4 km towards north
 -  4. 5 km towards south





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	13/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following is an impact of river meandering in plains?

- Ans**
- ☒ 1. Formation of waterfalls
 - ☒ 2. Formation of oxbow lakes
 - ☒ 3. Formation of rift valleys
 - ☒ 4. Formation of rapids

Q.2 When was the Rural Landless Employment Guarantee Programme (RLEGP) launched?

- Ans**
- ☒ 1. 2 October 1985
 - ☒ 2. 15 August 1983
 - ☒ 3. 1 April 1980
 - ☒ 4. 26 January 1982

Q.3 Which of the following is NOT an instrument of parliamentary control over the executive in India?

- Ans**
- ☒ 1. Judicial review of executive actions
 - ☒ 2. Question Hour in the Lok Sabha
 - ☒ 3. Approval of government bills (laws) by the Parliament
 - ☒ 4. No-confidence motion against the Council of Ministers

Q.4 The concept of 'watershed' is primarily associated with:

- Ans**
- ☒ 1. Mountain formation
 - ☒ 2. Climate zones
 - ☒ 3. River catchment area
 - ☒ 4. Rainfall distribution

Q.5 Microliths, which are tiny stone tools usually stuck on to handles of bones or woods to make tools like saws and sickles. These were mostly found in which age?

- Ans**
- ☒ 1. Paleolithic age
 - ☒ 2. Chalcolithic age
 - ☒ 3. Mesolithic age
 - ☒ 4. Neolithic age



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Q.6 The President of India is also the Supreme Commander of which force in India?

- Ans**
- ☐ 1. Intelligence Agencies
 - ☒ 2. Armed Forces
 - ☐ 3. Border Security Force
 - ☐ 4. Police Forces

Q.7 Human development is a key aspect of economic development. As per the UNDP's Human Development Report 2025, where does India rank globally?

- Ans**
- ☐ 1. 100
 - ☐ 2. 144
 - ☐ 3. 119
 - ☒ 4. 130

Q.8 Which Act provided separate legislative subjects for the Centre and Provinces with three distinct lists?

- Ans**
- ☐ 1. Indian Independence Act 1947
 - ☐ 2. Government of India Act 1858
 - ☐ 3. Government of India Act 1919
 - ☒ 4. Government of India Act 1935

Q.9 How many public sector banks are operating in India, as on 1 May 2025?

- Ans**
- ☐ 1. 8
 - ☐ 2. 14
 - ☒ 3. 12
 - ☐ 4. 10

Q.10 Tourism is classified as a tertiary activity because it involves:

- Ans**
- ☐ 1. extracting natural resources
 - ☐ 2. production of goods
 - ☐ 3. selling of machinery
 - ☒ 4. providing services to people

Q.11 Which of the following is a dimensionless quantity?

- Ans**
- ☐ 1. Velocity
 - ☐ 2. Acceleration
 - ☒ 3. Refractive index
 - ☐ 4. Gravitational force

Q.12 When was Maha Shivaratri celebrated in 2025?

- Ans**
- ☒ 1. 26 February
 - ☐ 2. 12 May
 - ☐ 3. 7 June
 - ☐ 4. 14 March

Q.13 In December 2024, at the King Cup International Badminton Open, whom did Lakshya Sen defeat to claim the third place?

- Ans**
- ☐ 1. Viktor Axelsen
 - ☐ 2. Kento Momota
 - ☒ 3. Alex Lanier
 - ☐ 4. Anthony Sinisuka Ginting



Q.14 In May 2025, which Indian state signed an MoU with IN-SPACE to establish a Space Tech Manufacturing Park and Centre of Excellence?

- Ans**
- ☐ 1. Gujarat
 - ☒ 2. Karnataka
 - ☐ 3. Telangana
 - ☐ 4. Maharashtra

Q.15 Which of the following deserts is visible in the southern part of the world map?

- Ans**
- ☐ 1. Gobi Desert
 - ☐ 2. Thar Desert
 - ☒ 3. Kalahari Desert
 - ☐ 4. Sonoran Desert

Q.16 The Mudumal Megalithic Menhir is located in which state that was included in the tentative list of India by UNESCO World Heritage Centre in February 2025?

- Ans**
- ☐ 1. Karnataka
 - ☐ 2. Tamil Nadu
 - ☐ 3. Andhra Pradesh
 - ☒ 4. Telangana

Q.17 The Tenth Schedule of the Indian Constitution is related to the:

- Ans**
- ☐ 1. distribution of seats in the Lok Sabha
 - ☒ 2. disqualification on grounds of defection
 - ☐ 3. recognition of languages
 - ☐ 4. protection of land reform laws

Q.18 What does the Alt + Tab keyboard shortcut do in Windows?

- Ans**
- ☐ 1. Locks the computer screen
 - ☐ 2. Closes the current window
 - ☒ 3. Switches between open applications
 - ☐ 4. Opens the Start menu

Q.19 Which of the following is an efficient way to organise files on a computer?

- Ans**
- ☒ 1. Create different folders based on categories of files
 - ☐ 2. Rename all files with random characters
 - ☐ 3. Keep all files in the same folder
 - ☐ 4. Store all files in the Recycle Bin

Q.20 Who among the following had given the idea to mobilise all the leading Indian political leaders under a common platform called the Indian National Congress?

- Ans**
- ☒ 1. A O Hume
 - ☐ 2. Surendranath Bannerjee
 - ☐ 3. W C Bannerjee
 - ☐ 4. Ananda Mohan Bose

Q.21 In which of the following years did the Union Cabinet, chaired by the Prime Minister Shri Narendra Modi, approve the Revised Rashtriya Gokul Mission (RGM) to boost growth in the livestock sector?

- Ans**
- ☐ 1. 2021
 - ☐ 2. 2016
 - ☐ 3. 2019
 - ☒ 4. 2025



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Q.22 Who among the following was conferred with a Padma Bhushan Award 2025 in the field of (Posthumous) Affairs in April 2025?

- Ans**
- ☐ 1. Dr. Duvvur Nageshwar Reddy
 - ☐ 2. Shri Nandamuri Balakrishna
 - ☐ 3. Shri MT Vasudevan Nair
 - ☒ 4. Shri Sushil Kumar Modi

Q.23 Which department of the Delhi Sultanate was responsible for military organisation and administration of the empire's army?

- Ans**
- ☐ 1. Diwan-i-Insha
 - ☐ 2. Diwan-i-Riyasat
 - ☐ 3. Diwan-i-Risalat
 - ☒ 4. Diwan-i-Arz

Q.24 Which of the following power projects is based on nuclear energy?

- Ans**
- ☐ 1. Koyna
 - ☐ 2. Tehri
 - ☒ 3. Kalpakkam
 - ☐ 4. Bhakra Nangal

Q.25 Which biomolecules are responsible for catalysing biochemical reactions?

- Ans**
- ☐ 1. Polysaccharides
 - ☒ 2. Enzymes
 - ☐ 3. Nucleotides
 - ☐ 4. Phospholipids

Q.26 On 22 May 2025, Israeli forces reportedly fired warning shots near a delegation of diplomats visiting which area, leading to international condemnation?

- Ans**
- ☐ 1. Gaza Strip
 - ☐ 2. Sinai Peninsula
 - ☐ 3. Golan Heights
 - ☒ 4. West Bank

Q.27 Who among the following was the first political leader in India to openly put forward, in his newspaper Bande Mataram, the idea of complete independence for the country?

- Ans**
- ☐ 1. Swami Vivekananda
 - ☒ 2. Sri Aurobindo
 - ☐ 3. Rabindranath Tagore
 - ☐ 4. Mahatma Gandhi

Q.28 Prime Minister Narendra Modi chaired which edition of the Governing Council meeting of NITI Aayog at Bharat Mandapam, New Delhi on 24 May 2025?

- Ans**
- ☐ 1. 11th
 - ☐ 2. 9th
 - ☐ 3. 8th
 - ☒ 4. 10th



Q.29 Which Article of the Indian Constitution was amended by the 106th Constitutional Amendment Act to provide for women's reservation in the Legislative Assembly of Delhi?

- Ans**
- ☐ 1. Article 330A
 - ☐ 2. Article 243D
 - ☒ 3. Article 239AA
 - ☐ 4. Article 332A

Q.30 What was the life expectancy in India in 1947?

- Ans**
- ☒ 1. 31 years
 - ☐ 2. 38 years
 - ☐ 3. 52 years
 - ☐ 4. 45 years

Q.31 What major change was made by the 86th Constitutional Amendment Act, 2002?

- Ans**
- ☐ 1. Increased the President's term
 - ☐ 2. Abolished the Legislative Council
 - ☒ 3. Declared education as a Fundamental Right
 - ☐ 4. Bifurcated the SC/ST Commission

Q.32 As per the May 2025 Supreme Court ruling, what is the minimum number of years of legal practice required for law graduates to be eligible for Civil Judge examinations?

- Ans**
- ☐ 1. 2 years
 - ☒ 2. 3 years
 - ☐ 3. 1 year
 - ☐ 4. 5 years

Q.33 What are endemic species?

- Ans**
- ☐ 1. Exotic animals brought from other countries
 - ☒ 2. Species found only in a particular area and nowhere else
 - ☐ 3. Species that have migrated recently
 - ☐ 4. Species found in every forest

Q.34 Which of the following statements about friction is correct?

- Ans**
- ☐ 1. Both static and kinetic friction depend on the area of contact.
 - ☐ 2. Static friction opposes actual motion, while kinetic friction opposes impending motion.
 - ☐ 3. Kinetic friction is always greater than static friction.
 - ☒ 4. Static friction opposes impending motion and kinetic friction opposes actual motion.

Q.35 Which Article of the Constitution provides special provisions for the State of Nagaland?

- Ans**
- ☐ 1. Article 370
 - ☐ 2. Article 371B
 - ☒ 3. Article 371A
 - ☐ 4. Article 371D

Q.36 In April 2025, IN-SPACe launched an initiative inviting private firms to develop modular satellite platforms to host multiple payloads, aiming to reduce reliance on foreign satellite infrastructure. What is this initiative called?

- Ans**
- ☐ 1. Modular Orbital Hosting Programme (MOHP)
 - ☐ 2. National Space-Based Internet Mission (NSBIM)
 - ☒ 3. Satellite Bus as a Service (SBaaS)
 - ☐ 4. ISRO Commercial Payloa



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Q.37 Gyaneshwar (1275 A.D.) holds a unique position in Marathi literature, primarily because he was:

- Ans**
- ☒ 1. the first and foremost Bhakti poet
 - ☐ 2. a renowned court historian
 - ☐ 3. a celebrated playwright
 - ☐ 4. a compiler of ancient texts

Q.38 The Karakattam (Karagattam) dance, known for its unique balancing of pitchers, is primarily prevalent in which of the following states of India?

- Ans**
- ☒ 1. Tamil Nadu
 - ☐ 2. Kerala
 - ☐ 3. Karnataka
 - ☐ 4. Andhra Pradesh

Q.39 Which Indian AI startup launched Shuka 1.0, an open-source audio language model supporting 10 Indian languages, in August 2024?

- Ans**
- ☐ 1. Niramai
 - ☐ 2. HealthifyMe
 - ☒ 3. Sarvam AI
 - ☐ 4. Qure.ai

Q.40 In May 2025, India conducted joint military exercises with which country under the name 'Garuda Shakti 2025', aiming to strengthen counter-terrorism cooperation?

- Ans**
- ☐ 1. Sri Lanka
 - ☐ 2. France
 - ☐ 3. Russia
 - ☒ 4. Indonesia

Section : Mathematics

Q.1 The sum of the squares of two consecutive even natural numbers is 1924. The sum of the numbers is:

- Ans**
- ☐ 1. 54
 - ☐ 2. 68
 - ☒ 3. 62
 - ☐ 4. 60

Q.2 If a regular polygon has 15 sides, then what is the measure (in degrees) of each interior angle?

- Ans**
- ☐ 1. 128°
 - ☒ 2. 156°
 - ☐ 3. 136°
 - ☐ 4. 160°

Q.3 Salil got an increase of 4% in his sales amount in the first year and 24% in the second year; also with this, his current sales are ₹1,61,200, what was his sales (in ₹) two years ago?

- Ans**
- ☐ 1. ₹1,05,000
 - ☐ 2. ₹1,30,000
 - ☒ 3. ₹1,25,000
 - ☐ 4. ₹1,55,000



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Q.4 Evaluate: $(-9) - (-60) \div (-12) + (-2) \times 8$

Ans ☒ 1. -30

☐ 2. -32

☐ 3. -29

☐ 4. -33

Q.5 Anjani can do a certain piece of work in 30 days. Anjani and Khushbu can together do the same work in 16 days, and Anjani, Khushbu and Sushmita can do the same work together in 15 days. In how many days can Anjani and Sushmita do the same work?

Ans ☐ 1. $\frac{85}{4}$

☒ 2. $\frac{80}{3}$

☐ 3. $\frac{73}{5}$

☐ 4. $\frac{81}{3}$

Q.6 Vihaan has to reach Chennai which is 886 km away in 17 hours. His starting speed for 8 hours was 53 km/hr. For the next 150 km his speed was 50 km/hr. By what speed he must travel now so as to reach Chennai in the decided time of 17 hours?

Ans ☒ 1. 52 km/hr

☐ 2. 56 km/hr

☐ 3. 57 km/hr

☐ 4. 51 km/hr

Q.7 A sum of money triples itself at a certain rate of compound interest in 5 years. In how many years will it amount to 9 times of itself?

Ans ☐ 1. 11 years

☐ 2. 7 years

☒ 3. 10 years

☐ 4. 19 years

Q.8 A shopkeeper lists the price of a fan at 36% above its cost price and offers a 25% discount on its list price. If he earns a profit of ₹171, then what is the list price (in ₹) of the fan?

Ans ☐ 1. 11,406

☐ 2. 11,547

☒ 3. 11,628

☐ 4. 11,598

Q.9 Which of the following numbers divides 78,89,73,289?

Ans ☐ 1. 18

☐ 2. 12

☐ 3. 7

☒ 4. 13

Q.10 ₹15,500 were divided among A, B and C, such that 7 times the share of A = 4 times the share of B = 2 times the share of C. Find the share of A.

Ans ☐ 1. ₹2,580

☐ 2. ₹2,542

☒ 3. ₹2,480

☐ 4. ₹2,479



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Q.11 Simplify the following.

$$9 \times (19 \times (4^2)) \div 14 + 13 - 86$$

- Ans
- ☐ 1. $\frac{856}{7}$
 - ☐ 2. $\frac{852}{7}$
 - ☐ 3. $\frac{853}{7}$
 - ☒ 4. $\frac{857}{7}$

Q.12 A person purchased a gift article for ₹1,800 after getting 20% discount. Find the marked price of the gift article.

- Ans
- ☐ 1. ₹2,500
 - ☒ 2. ₹2,250
 - ☐ 3. ₹2,800
 - ☐ 4. ₹2,150

Q.13 Which of the following numbers divide 342165?

- Ans
- ☐ 1. 2
 - ☒ 2. 3
 - ☐ 3. 7
 - ☐ 4. 4

Q.14 The LCM of the numbers 3.8 and 0.052 is:

- Ans
- ☒ 1. 49.4
 - ☐ 2. 0.494
 - ☐ 3. 4.94
 - ☐ 4. 494

Q.15 Sapna invested ₹20,300 on simple interest, partly at 10% per annum and partly at 4% per annum. If she earns equal interests from the two investments after 4 years, then find the sum invested at 10% per annum (in ₹).

- Ans
- ☐ 1. 5,801
 - ☒ 2. 5,800
 - ☐ 3. 5,799
 - ☐ 4. 5,797

Q.16 Find the mean proportional of 98 and 18.

- Ans
- ☐ 1. 39
 - ☐ 2. 45
 - ☒ 3. 42
 - ☐ 4. 44

Q.17 A dealer runs a scheme offering 'buy 5 items and get 2 items free'. Each item is priced at ₹250. What is the total discount amount for a customer buying under this scheme?

- Ans
- ☒ 1. ₹500
 - ☐ 2. ₹700
 - ☐ 3. ₹750
 - ☐ 4. ₹600



Q.18 A can lay railway track between two given stations in 21 days and B can do the same job in 15 days. With the help of C, they did the job in 2 days only. Then, C alone can do the job in

Ans

✗ 1. $8\frac{16}{27}$ days

✓ 2. $2\frac{16}{27}$ days

✗ 3. $10\frac{16}{27}$ days

✗ 4. $12\frac{16}{27}$ days

Q.19 The volume of a right circular cylinder whose height is 20 cm and circumference of the base is 44 cm is:

(Take $\pi = \frac{22}{7}$)

Ans

✓ 1. 3080 cu.cm

✗ 2. 7623 cu. cm

✗ 3. 1936 cu. cm

✗ 4. 5082 cu.cm

Q.20 If $\sin\theta + \operatorname{cosec}\theta = 2$, then the value of $\sin^{120}\theta + \operatorname{cosec}^{120}\theta$ is:

Ans

✓ 1. 2

✗ 2. 0

✗ 3. 1

✗ 4. $\frac{1}{2}$

Q.21 9 years ago, the age of a father was 25 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

Ans

✗ 1. 21

✗ 2. 18

✗ 3. 19

✓ 4. 16

Q.22 The total surface area of a cube having side 74 cm is:

Ans

✓ 1. 32856 cm^2

✗ 2. 32896 cm^2

✗ 3. 32857 cm^2

✗ 4. 32846 cm^2

Q.23 The average of first 171 even numbers is

Ans

✓ 1. 172

✗ 2. 173

✗ 3. 172.5

✗ 4. 171.5



Q.24 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 76 kg and 35 kg is:

- Ans
- ☐ 1. 53.2
 - ☐ 2. 52.2
 - ☐ 3. 50.2
 - ☒ 4. 51.2

Q.25 Simplify: $x(3x - 7) + 7(x^2 - 4) + 18$

- Ans
- ☒ 1. $10x^2 - 7x - 10$
 - ☐ 2. $-10x^2 - 7x - 10$
 - ☐ 3. $10x^2 - 7x + 10$
 - ☐ 4. $-10x^2 - 7x + 10$

Q.26 A number, when increased by 60%, gives 3580. The number is:

- Ans
- ☐ 1. 4475
 - ☐ 2. 6712.5
 - ☒ 3. 2237.5
 - ☐ 4. 1118.75

Q.27 By selling 6 buttons for a rupee, a man loses 45%. To gain 10% how many must he sell for a rupee?

- Ans
- ☐ 1. 2
 - ☐ 2. 4
 - ☒ 3. 3
 - ☐ 4. 5

Q.28 A, B and C started a business investing ₹610, ₹630 and ₹1,450, respectively. If B's share in the profit earned by them is ₹591. what is the difference in the profit (in ₹) earned by A and C?

- Ans
- ☐ 1. ₹785
 - ☐ 2. ₹786
 - ☐ 3. ₹791
 - ☒ 4. ₹788

Q.29 A man goes to Indore from Bhopal at a speed of 12 km/hr and returns to Bhopal at speed of 24 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans
- ☐ 1. 12
 - ☐ 2. 21
 - ☒ 3. 16
 - ☐ 4. 11

Q.30 The number of prime numbers lying between 411 and 424, both included, is:

- Ans
- ☐ 1. 4
 - ☐ 2. 3
 - ☒ 3. 2
 - ☐ 4. 5



Q.1 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 52749631, then how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. Two
 - ☐ 2. One
 - ☐ 3. Four
 - ☒ 4. Three

Q.2 KNML is related to ADCB in a certain way based on the English alphabetical order. In the same way, WZYX is related to MPON. To which of the given options is SVUT related, following the same logic?

- Ans**
- ☐ 1. IKLJ
 - ☐ 2. IKJI
 - ☐ 3. ILKO
 - ☒ 4. ILKJ

Q.3 If 1 is added to each even digit of the number 36719542, then what will be the sum of the digits that are repeated more than once in the new number formed?

- Ans**
- ☐ 1. 8
 - ☐ 2. 12
 - ☒ 3. 15
 - ☐ 4. 10

Q.4 In a certain code language, 'CALM' is coded as '3257' and 'MONK' is coded as '1346'. What is the code for 'M' in the given code language?

- Ans**
- ☐ 1. 5
 - ☒ 2. 3
 - ☐ 3. 1
 - ☐ 4. 7

Q.5 In a certain code language,
A \$ B means 'A is the son of B'
A + B means 'A is the brother of B'
A @ B means 'A is the wife of B'
A ÷ B means 'A is the father of B'
Based on the above, how is E related to N if 'E \$ F ÷ G + M @ N'?

- Ans**
- ☐ 1. Wife's father
 - ☒ 2. Wife's brother
 - ☐ 3. Father
 - ☐ 4. Brother

Q.6 What should come in place of the question mark (?) in the given series?

5 4 2 -2 -10 ?

- Ans**
- ☐ 1. -27
 - ☐ 2. -24
 - ☒ 3. -26
 - ☐ 4. -25



Q.7 Six people, D, E, F, G, H and Y, are sitting around a circular table, facing the centre. F sits third to the left of G. Only one person sits between F and Y when counted from the right of F. Only two people sit between Y and H. D is an immediate neighbour of H. How many people sit between D and E when counted from right of E?

- Ans**
- ☒ 1. Two
 - ☐ 2. One
 - ☐ 3. Zero
 - ☐ 4. Three

Q.8 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All oranges are apples.
All apples are grapes.

Conclusions:

(I) Some apples are oranges.
(II) All grapes are oranges.

- Ans**
- ☒ 1. Only conclusion (I) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Neither conclusion (I) nor (II) follows.
 - ☐ 4. Only conclusion (II) follows.

Q.9 112 people are standing in a row facing north. Mr. Into is 11th from the left end while Mr. Toni is 19th from the right end. How many people are there between Mr. Into and Mr. Toni?

- Ans**
- ☒ 1. 82
 - ☐ 2. 83
 - ☐ 3. 81
 - ☐ 4. 85

Q.10 If 3 is added to each even digit and 2 is added to each odd digit in the number 2571463, what will be the sum of the first and last digits in the new number thus formed?

- Ans**
- ☒ 1. 10
 - ☐ 2. 18
 - ☐ 3. 14
 - ☐ 4. 12

Q.11 In a row of 47 students facing north, Sanjana is 27th from the left end. If Ananad is 18th to the right of Sanjana, what is Ananad's position from the right end of the line?

- Ans**
- ☐ 1. 1st
 - ☐ 2. 4th
 - ☒ 3. 3rd
 - ☐ 4. 2nd

Q.12 This question is based on the five, three-digit numbers given below.
(Left) 121 256 812 658 527 (Right)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, the position(s) of how many numbers will remain unchanged?

- Ans**
- ☐ 1. One
 - ☐ 2. Three
 - ☒ 3. Zero
 - ☐ 4. Two



Q.13 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ZFN FLT LRZ RXF ?

- Ans**
- ☐ 1. XSD
 - ☐ 2. XLD
 - ☒ 3. XDL
 - ☐ 4. XDS

Q.14 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

140, 75
168, 103

- Ans**
- ☐ 1. 106, 51
 - ☐ 2. 125, 70
 - ☐ 3. 115, 60
 - ☒ 4. 175, 110

Q.15 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TWY RUW PSU NQS ?

- Ans**
- ☐ 1. LPR
 - ☒ 2. LOQ
 - ☐ 3. LPQ
 - ☐ 4. LOR

Q.16 In a certain code language, 'it is tasty' is written as 'mt bk lo' and 'did it go' is coded as 'mf jo mt'. How is 'it' coded in the given language?

- Ans**
- ☐ 1. mf
 - ☐ 2. lo
 - ☐ 3. jo
 - ☒ 4. mt

Q.17 Saif starts from Point A and drives 31 km towards East. He then takes a right turn, drives 35 km, turns right and drives 47 km. He then takes a right turn and drives 45 km. He takes a final right turn, drives 16 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 11 km to the South
 - ☒ 2. 10 km to the South
 - ☐ 3. 10 km to the East
 - ☐ 4. 11 km to the West



Q.18 Suresh starts from Point M and drives 10 km towards north. Then, he takes a right turn and drives 4 km; he turns right again and drives 4 km. Then, he takes a left turn and drives 2 km; then, he turns right and drives 8 km. Then, he takes a final right turn, drives 6 km and stops at Point N. How far (shortest distance) and towards which direction should she drive in order to reach Point M again? (All turns are 90-degree turns only, unless specified.)

- Ans**
- ✓ 1. 2 km towards north
 - ✗ 2. 4 km towards north
 - ✗ 3. 2 km towards south
 - ✗ 4. 4 km towards south

Q.19 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some trees are chairs. Some chairs are graphs.

Conclusion (I): Some trees are graphs.

Conclusion (II): All graphs are chairs.

- Ans**
- ✗ 1. Only conclusion (II) follows.
 - ✗ 2. Only conclusion (I) follows.
 - ✗ 3. Both conclusions (I) and (II) follow.
 - ✓ 4. Neither conclusion (I) nor (II) follows.

Q.20 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✗ 1. SJ-NT
 - ✓ 2. OF-JQ
 - ✗ 3. MD-HN
 - ✗ 4. KB-FL

Q.21 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✗ 1. FO - YJ
 - ✗ 2. BX - US
 - ✗ 3. WA - PV
 - ✓ 4. TJ - LE

Q.22 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✓ 1. TXR
 - ✗ 2. NRM
 - ✗ 3. JNI
 - ✗ 4. QUP



Q.23 What should come in place of the question mark (?) in the given series?

3 11 20 30 41 ?

- Ans**
- ☐ 1. 58
 - ☐ 2. 49
 - ☐ 3. 67
 - ☒ 4. 53

Q.24 Pritam is ranked 5th from the top and 21st from the bottom in his class. How many students are there in the class?

- Ans**
- ☒ 1. 25
 - ☐ 2. 29
 - ☐ 3. 24
 - ☐ 4. 26

Q.25 Seven people, I, J, K, L, U, V and W are sitting in a row, facing north. Only two people sit to the right of K. Only two people sit between K and U. Only two people sit between I and V. V sits to the immediate left of K. L sits to the immediate right of W. Who sits at third position from the left end of the line?

- Ans**
- ☐ 1. I
 - ☐ 2. L
 - ☒ 3. J
 - ☐ 4. W

Q.26 This question is based on the five, three-digit numbers given below.

(Left) 570 787 488 277 102 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

In how many numbers is the resultant of the summation of the first and the third digits a prime number?

- Ans**
- ☐ 1. Four
 - ☐ 2. One
 - ☒ 3. Two
 - ☐ 4. None

Q.27 LK 19 is related to GG 2 in a certain way. In the same way, IT 29 is related to DP 12. To which of the following is OV 15 related, following the same logic?

- Ans**
- ☒ 1. JR 2
 - ☐ 2. IS 4
 - ☐ 3. JS 4
 - ☐ 4. IR 2

Q.28 Each of the digits in the number 8357691 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ 1. Two
 - ☐ 2. None
 - ☐ 3. Three
 - ☐ 4. One



Q.29 What should come in place of the question mark (?) in the given series?

31 20 7 -8 -25 ?

Ans  1. -42

 2. -44

 3. -43

 4. -45

Q.30 CHR~~X~~ is related to FK~~X~~D in a certain way based on the English alphabetical order. In the same way, OT~~P~~V is related to RW~~V~~B. To which of the given options is XCHN related, following the same logic?

Ans  1. AFNU

 2. AFTN

 3. ATFN

 4. AFNT





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	13/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 The Stockholm Convention on Persistent Organic Pollutants was adopted at a Conference of Plenipotentiaries in which year?

- Ans**
- ☒ 1. 2000
 - ☒ 2. 2002
 - ☒ 3. 2001
 - ☒ 4. 2003

Q.2 How can you access menus in the menu bar in Windows?

- Ans**
- ☒ 1. Press Ctrl + M to open the menu.
 - ☒ 2. Right-click on the title bar to open the menu bar.
 - ☒ 3. Press Alt and the letter underlined in the menu title to access a menu.
 - ☒ 4. Press F5 to open the menu bar.

Q.3 Which Indian institute introduced two new BTech programs in Computational Engineering and Mechanics and Instrumentation and Biomedical Engineering, starting from the academic year 2025-26?

- Ans**
- ☒ 1. Indian Institute of Technology Kharagpur
 - ☒ 2. Indian Institute of Technology Bombay
 - ☒ 3. Indian Institute of Technology Kanpur
 - ☒ 4. Indian Institute of Technology Madras

Q.4 When was the National Rural Health Mission (NRHM) launched by the Government of India?

- Ans**
- ☒ 1. 26 January 2006
 - ☒ 2. 12 April 2004
 - ☒ 3. 12 April 2005
 - ☒ 4. 8 March 2004

Q.5 The Dutch East India Company established its first factory in India in _____.

- Ans**
- ☒ 1. Calicut
 - ☒ 2. Goa
 - ☒ 3. Petapuli
 - ☒ 4. Pondicherry



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Q.6 Why is an alloy considered a mixture even though it cannot be separated by physical methods?

- Ans**
- ☒ 1. It is formed only by non-metals.
 - ☒ 2. It shows the properties of its constituents and can have variable composition.
 - ☒ 3. It contains only one type of element in vapor form.
 - ☒ 4. Alloys are always magnetic because they contain metals with a fixed composition.

Q.7 In 2025, who became the youngest Indian to summit Mt. Everest and to complete the Seven Summits challenge?

- Ans**
- ☒ 1. Vishwanath Padakanti
 - ☒ 2. Malavath Purna
 - ☒ 3. Krushnaa Patil
 - ☒ 4. Arjun Vajpai

Q.8 Which of the following projects is designed to provide irrigation to Rajasthan's desert areas?

- Ans**
- ☒ 1. Indira Gandhi Canal
 - ☒ 2. Hirakud Project
 - ☒ 3. Chambal Project
 - ☒ 4. Kosi Project

Q.9 In most software applications, what does Ctrl + S do if pressed multiple times?

- Ans**
- ☒ 1. Updates the saved file without creating a new one
 - ☒ 2. Reverts the document
 - ☒ 3. Saves a new copy each time
 - ☒ 4. Deletes the previous version

Q.10 Which department, headed by Dabir-i-Khas, handled royal correspondence and official communication during the Delhi Sultanate?

- Ans**
- ☒ 1. Diwan-i-Riyasat
 - ☒ 2. Diwan-i-Arz
 - ☒ 3. Diwan-i-Insha
 - ☒ 4. Barid-i-Mumalik

Q.11 In which Indian city was the First International Research Conference on Pension (IRCP) inaugurated in April 2025?

- Ans**
- ☒ 1. New Delhi
 - ☒ 2. Mumbai
 - ☒ 3. Uttar Pradesh
 - ☒ 4. Kerala

Q.12 The western cyclonic disturbances that enter the Indian subcontinent from the west and the northwest during the winter months originate from which of the following regions?

- Ans**
- ☒ 1. Mediterranean Sea
 - ☒ 2. Black Sea
 - ☒ 3. Baltic Sea
 - ☒ 4. North Atlantic Ocean



Q.13 Which eminent violinist from Karnataka was awarded the Padma Vibhushan in 2025 for his outstanding contributions to Indian classical music?

- Ans**
- ☐ 1. Anant Nag
 - ☒ 2. Lakshminarayana Subramaniam
 - ☐ 3. Gangubai Hangal
 - ☐ 4. Ricky Kej

Q.14 Who took charge as the Vice Chief of the Air Staff of the Indian Air Force on 2 May 2025?

- Ans**
- ☐ 1. Air Marshal Anil Chopra
 - ☐ 2. Air Marshal Rakesh Kumar Singh Bhadauria
 - ☐ 3. Air Marshal SP Dharkar
 - ☒ 4. Air Marshal Narmdeshwar Tiwari

Q.15 In 1995, physicists Eric Cornell and Carl Wieman created the first Bose-Einstein condensate (BEC) using which isotope?

- Ans**
- ☐ 1. Caesium-133
 - ☐ 2. Thorium-232
 - ☒ 3. Rubidium-87
 - ☐ 4. Sodium-23

Q.16 Which Article of the Constitution states, 'no person shall be deprived of his property save by authority of law'?

- Ans**
- ☐ 1. Article 111
 - ☐ 2. Article 2
 - ☒ 3. Article 300A
 - ☐ 4. Article 368

Q.17 As per the first Panchayat Advancement Index (PAI) report released in April 2025, which two states are leading with the highest number of “front runner” panchayats?

- Ans**
- ☐ 1. Chhattisgarh and Uttar Pradesh
 - ☐ 2. Assam and West Bengal
 - ☒ 3. Gujarat and Telangana
 - ☐ 4. Meghalaya and Nagaland

Q.18 What is the name of the medical instrument used to listen to internal body sounds, especially from the heart and lungs?

- Ans**
- ☐ 1. Barometer
 - ☐ 2. Endoscope
 - ☒ 3. Stethoscope
 - ☐ 4. Colonoscope

Q.19 In 2025, which region in India witnessed Kuki groups demanding the maintenance of buffer zones to manage ethnic tensions?

- Ans**
- ☐ 1. Nagaland
 - ☐ 2. Assam
 - ☐ 3. Mizoram
 - ☒ 4. Manipur



Q.20 On 23 April 2025, the Indian Government announced the suspension of which treaty/agreement with Pakistan citing national security concerns?

- Ans**
- ☒ 1. Indus Waters Treaty
 - ☐ 2. Tashkent Declaration
 - ☐ 3. Simla Agreement
 - ☐ 4. Non-Nuclear Aggression Agreement

Q.21 In which of the following cities was the Army Commanders Conference held in April 2025?

- Ans**
- ☒ 1. New Delhi
 - ☐ 2. Jodhpur
 - ☐ 3. Pune
 - ☐ 4. Chandigarh

Q.22 What key emotion did the Extremists aim to arouse in people against British colonial rule?

- Ans**
- ☐ 1. Fear
 - ☐ 2. Sympathy
 - ☐ 3. Loyalty
 - ☒ 4. Indignation

Q.23 India has been a World Trade Organization (WTO) member since ____.

- Ans**
- ☐ 1. 2005
 - ☐ 2. 2000
 - ☒ 3. 1995
 - ☐ 4. 1990

Q.24 What is the primary reason for overexploitation of groundwater in Punjab and Haryana?

- Ans**
- ☐ 1. Excessive use of water for domestic consumption
 - ☒ 2. Cultivation of water-intensive crops like paddy
 - ☐ 3. Government restrictions on surface water use
 - ☐ 4. Presence of sandy soils with poor water retention

Q.25 The Vardhan dynasty, was also known by which of the following names?

- Ans**
- ☐ 1. Gupta dynasty
 - ☒ 2. Pushyabhuti dynasty
 - ☐ 3. Nanda dynasty
 - ☐ 4. Maurya dynasty

Q.26 Which of the following states introduced India's first AI Powered Real Time Forest alert system in May 2025?

- Ans**
- ☐ 1. Jharkhand
 - ☐ 2. Tamil Nadu
 - ☐ 3. Karnataka
 - ☒ 4. Madhya Pradesh

Q.27 JD Vance was sworn in as the _____ Vice President of the United States in 2025.

- Ans**
- ☐ 1. 48th
 - ☒ 2. 50th
 - ☐ 3. 49th
 - ☐ 4. 51st



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Q.28 In which of the following years were the Montagu–Chelmsford Reforms introduced by the British Government in India to gradually establish self-governing institutions?

- Ans**
- ☒ 1. 1931
 - ☒ 2. 1919
 - ☒ 3. 1944
 - ☒ 4. 1923

Q.29 Which drainage pattern resembles the branches of a tree and is common in rivers of the northern plains?

- Ans**
- ☒ 1. Dendritic
 - ☒ 2. Trellis
 - ☒ 3. Centripetal
 - ☒ 4. Radial

Q.30 Which of the following Indian naval platforms took part in the Indo-Oman naval exercise Naseem-Al-Bahr held in October 2024?

- Ans**
- ☒ 1. INS Trikand and Dornier Maritime Patrol Aircraft
 - ☒ 2. INS Kolkata and Sea Guardian drone
 - ☒ 3. INS Shivalik and P-8I aircraft
 - ☒ 4. INS Vikrant and MiG-29K fighter jets

Q.31 Which Chandela ruler is credited with the construction of the Kandariya Mahadev Temple situated in Khajuraho, Madhya Pradesh, India?

- Ans**
- ☒ 1. Yashovarman
 - ☒ 2. Kirttivarman
 - ☒ 3. Dhanga
 - ☒ 4. Vidyadhara

Q.32 What declaration was made at the 2025 Global Media Dialogue on media ethics and AI?

- Ans**
- ☒ 1. WAVES Declaration
 - ☒ 2. NEUTRALITY Charter
 - ☒ 3. TRUTH Pact
 - ☒ 4. AI-TRUST Code

Q.33 Which platform provides online learning for civil servants under Mission Karmayogi in India?

- Ans**
- ☒ 1. iGOT Karmayogi
 - ☒ 2. NISG Portal
 - ☒ 3. ePathshala
 - ☒ 4. SWAYAM

Q.34 India's highway network is one of the largest in the world. Which scheme focuses on the development of highways, particularly in economic corridors?

- Ans**
- ☒ 1. PM Gram Sadak Yojana
 - ☒ 2. BharatNet
 - ☒ 3. Sagarmala
 - ☒ 4. Bharatmala Pariyojana



Q.35 When was the Monetary Policy Framework Agreement (MPFA) signed between the Government of India and the Reserve Bank?

- Ans**
- ☐ 1. 14 August 2010
 - ☐ 2. 20 April 2018
 - ☐ 3. 8 December 2007
 - ☒ 4. 20 February 2015

Q.36 Which of the following correctly describes a key function of Subordinate Courts in India?

- Ans**
- ☒ 1. Resolve civil and criminal disputes at the district level
 - ☐ 2. Interpret international treaties
 - ☐ 3. Review decisions of High Courts
 - ☐ 4. Draft laws for the State

Q.37 The National eCourts Project, launched by the Department of Justice, is primarily aimed at:

- Ans**
- ☐ 1. creating new Central Administrative Tribunals
 - ☐ 2. building new court complexes in rural areas
 - ☐ 3. establishing a nationwide telecom system for police
 - ☒ 4. digitising and upgrading district and subordinate courts

Q.38 What is the correct order of arrival of seismic waves at a seismograph after an earthquake?

- Ans**
- ☐ 1. Surface waves, P-waves, S-waves
 - ☐ 2. P-waves, surface waves, S-waves
 - ☐ 3. S-waves, P-waves, surface waves
 - ☒ 4. P-waves, S-waves, surface waves

Q.39 Which of the following Buddhist texts is often called the 'Gita of Buddhism' for its importance and teachings?

- Ans**
- ☐ 1. Mahayana Sutra
 - ☒ 2. Dhammapada
 - ☐ 3. Vamsathapakasini
 - ☐ 4. Saddharmapundarika Sūtra

Q.40 Which Fundamental Right protects citizens from being forced into labour or human trafficking?

- Ans**
- ☐ 1. Right to Freedom
 - ☐ 2. Right to Equality
 - ☐ 3. Right to Constitutional Remedies
 - ☒ 4. Right against Exploitation

Section : Mathematics

Q.1 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 39^\circ$. E is a point on BC such that $\angle CAE = 16^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☐ 1. 82°
 - ☐ 2. 66°
 - ☒ 3. 67°
 - ☐ 4. 74°



Q.2 One-third of a journey is covered at a speed of 2 km/hr, the next one-third of the journey is covered at a speed of 87 km/hr and the remaining journey is covered at a speed of 53 km/hr. The average speed (in km/hr, rounded off to 1 decimal place) for the entire journey is:

- Ans
- ☐ 1. 2.7
 - ☒ 2. 5.7
 - ☐ 3. 8.3
 - ☐ 4. 5

Q.3 Find the value of $5^{-23} \times 16^{-23} \times 21^{-23}$.

- Ans
- ☐ 1. $\frac{1}{1725^{23}}$
 - ☒ 2. $\frac{1}{1680^{23}}$
 - ☐ 3. $\frac{1}{1726^{23}}$
 - ☐ 4. $\frac{1}{1634^{23}}$

Q.4 The number 814242541 is divisible by which of the following?

- Ans
- ☐ 1. 8
 - ☐ 2. 12
 - ☒ 3. 7
 - ☐ 4. 15

Q.5 I bought two speakers for ₹1,200. I sold the first one at a loss of 8% and the second at a gain of 22%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first speaker.

- Ans
- ☐ 1. 864
 - ☐ 2. 900
 - ☒ 3. 880
 - ☐ 4. 904

Q.6 Pipe A can fill a tank in 17 hours, pipe B can fill the same tank in 21 hours and pipe C can fill the same tank in 19 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ☐ 1. $13\frac{309}{1079}$ hours
 - ☐ 2. $5\frac{309}{1079}$ hours
 - ☒ 3. $6\frac{309}{1079}$ hours
 - ☐ 4. $11\frac{309}{1079}$ hours

Q.7 By selling an article at $\frac{4}{14}$ of its actual selling price, Akash incurs a loss of 30%.

If he sells it at 54% of its actual selling price, then the profit percentage is:

- Ans
- ☐ 1. 34.8%
 - ☐ 2. 32.6%
 - ☐ 3. 33.8%
 - ☒ 4. 32.3%



Q.8 Find the least number of square tiles required to completely cover a floor of dimensions 12.15 m by 11.34 m.

- Ans**
- ☐ 1. 230
 - ☐ 2. 150
 - ☒ 3. 210
 - ☐ 4. 250

Q.9 Sapna invested ₹22,400 on simple interest, partly at 13% per annum and partly at 3% per annum. If she earns equal interests from the two investments after 7 years, then find the sum invested at 13% per annum (in ₹).

- Ans**
- ☐ 1. 4,198
 - ☒ 2. 4,200
 - ☐ 3. 4,203
 - ☐ 4. 4,197

Q.10 What is the median of the following data?

57, 96, 60, 91, 69, 50, 72, 16, 78, 73, 55

- Ans**
- ☐ 1. 70
 - ☐ 2. 69.5
 - ☒ 3. 69
 - ☐ 4. 68.5

Q.11 If the third proportional of 9 and 57 be x, then what is the value of x?

- Ans**
- ☐ 1. 363
 - ☒ 2. 361
 - ☐ 3. 358
 - ☐ 4. 364

Q.12 An item is marked at ₹8,000. Two successive discounts of 10% and 15% are allowed. Find the equivalent single discount rate.

- Ans**
- ☒ 1. 23.5%
 - ☐ 2. 22.5%
 - ☐ 3. 25.5%
 - ☐ 4. 24.5%

Q.13 A cylindrical rod has an outer curved surface area of 1500 cm^2 . If the length of the rod is 68 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

$$\left(\text{Take } \pi = \frac{22}{7} \right)$$

- Ans**
- ☒ 1. 3.51
 - ☐ 2. 6.61
 - ☐ 3. 3.87
 - ☐ 4. 3.69

Q.14 A sum of ₹625 amounts to ₹841 in 2 years at a certain rate of interest per annum, compounded annually. The rate of interest per annum is:

- Ans**
- ☐ 1. 18%
 - ☐ 2. 19%
 - ☒ 3. 16%
 - ☐ 4. 17%



Q.15 A man driving a car at a speed of 84 km/hr crosses a bridge in 1.6 minutes. Find the length of the bridge.

- Ans**
- ☒ 1. 2.24 km
 - ☐ 2. 1.81 km
 - ☐ 3. 2.46 km
 - ☐ 4. 1.82 km

Q.16 Which of the following numbers is divisible by 5?

- Ans**
- ☐ 1. 61,75,753
 - ☐ 2. 65,67,359
 - ☐ 3. 71,32,954
 - ☒ 4. 70,48,030

Q.17 2 years ago, the age of a father was 22 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans**
- ☐ 1. 17
 - ☐ 2. 16
 - ☐ 3. 21
 - ☒ 4. 20

Q.18 The sum of the squares of two consecutive even natural numbers is 2180. The sum of the numbers is:

- Ans**
- ☐ 1. 72
 - ☐ 2. 74
 - ☒ 3. 66
 - ☐ 4. 82

Q.19 M and N start a business. M invests ₹35,000 more than N for 7 months and N invests for 5 months. M's share is ₹372 more than that of N, out of a total profit of ₹1,860. Find the capital contributed by M.

- Ans**
- ☐ 1. ₹5,35,000
 - ☐ 2. ₹6,25,000
 - ☐ 3. ₹6,00,000
 - ☒ 4. ₹5,25,000

Q.20 Find the area of a triangle whose base is 28 cm and corresponding altitude is 15 cm.

- Ans**
- ☐ 1. 280 cm^2
 - ☐ 2. 260 cm^2
 - ☒ 3. 210 cm^2
 - ☐ 4. 240 cm^2



Q.21 The value of $\frac{5}{4} + \left(\frac{1}{1 + \frac{4}{7}} \right) - \frac{3}{4}$ is

- Ans
- ☐ 1. $\frac{29}{32}$
 - ☐ 2. $\frac{35}{12}$
 - ☒ 3. $\frac{25}{22}$
 - ☐ 4. $\frac{28}{19}$

Q.22 A number, when increased by 100%, gives 2790. The number is:

- Ans
- ☐ 1. 697.5
 - ☐ 2. 2790
 - ☐ 3. 4185
 - ☒ 4. 1395

Q.23 Aarti, Anil, and Naveen invest ₹1,110, ₹1,760, and ₹1,230 respectively to start a business. If the profit at the end of the year is ₹1,620, then what is the share of Naveen in the profit?

- Ans
- ☐ 1. ₹487
 - ☒ 2. ₹486
 - ☐ 3. ₹483
 - ☐ 4. ₹488

Q.24 The marked price of a watch is ₹2,860. A man bought the watch for ₹2,390.96, after getting two successive discounts, one of which is 12%. What is rate of the other discount?

- Ans
- ☐ 1. 8%
 - ☐ 2. 7%
 - ☒ 3. 5%
 - ☐ 4. 6%

Q.25 In an election between two candidates 80% of the registered voters cast their vote and 15% of the votes polled were found invalid. The winning candidate got 60% of the valid votes and won the election by a margin of 1394 votes. How many voters were registered?

- Ans
- ☐ 1. 10251
 - ☒ 2. 10250
 - ☐ 3. 10252
 - ☐ 4. 10248

Q.26 Anjani can do a certain piece of work in 24 days. Anjani and Khushbu can together do the same work in 20 days, and Anjani, Khushbu and Sushmita can do the same work together in 8 days. In how many days can Anjani and Sushmita do the same work?

- Ans
- ☐ 1. $\frac{57}{7}$
 - ☐ 2. $\frac{61}{8}$
 - ☒ 3. $\frac{60}{7}$
 - ☐ 4. $\frac{54}{9}$



Q.27 The value of $\sqrt{196} + \sqrt{0.0324} - \sqrt{6.76} =$

- Ans
- ☒ 1. 6.44
 - ☒ 2. 11.58
 - ☒ 3. 4.64
 - ☒ 4. 2.41

Q.28 Evaluate: $\frac{\sin^2 40^\circ + \sin^2 50^\circ}{\cos^2 40^\circ + \cos^2 50^\circ} - \frac{\sec^2 50^\circ - \cot^2 40^\circ}{\cos^2 20^\circ + \cos^2 70^\circ}$

- Ans
- ☒ 1. -1
 - ☒ 2. -2
 - ☒ 3. 0
 - ☒ 4. 2

Q.29 Simplify: $2\left(\left(\frac{3}{2}\right)x^2 - 25x + 14\right) - 3(x^2 + 4x - 13)$.

- Ans
- ☒ 1. $62x - 67$
 - ☒ 2. $-62x - 67$
 - ☒ 3. $-62x + 67$
 - ☒ 4. $62x + 67$

Q.30 The average runs scored by a batsman in 23 matches is 41. In the next 10 matches, the batsman scored an average of 15 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

- Ans
- ☒ 1. 32.12
 - ☒ 2. 34.12
 - ☒ 3. 35.12
 - ☒ 4. 33.12

Section : General Intelligence and Reasoning

Q.1 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some trucks are cars.
Some cars are bottles.

Conclusions:

(I) Some trucks are bottles.
(II) All bottles are cars.

- Ans
- ☒ 1. Both conclusions (I) and (II) follow.
 - ☒ 2. Only conclusion (I) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Only conclusion (II) follows.

Q.2 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

YTQ UPM QLI MHE ?

- Ans
- ☒ 1. IEB
 - ☒ 2. IDB
 - ☒ 3. IEA
 - ☒ 4. IDA



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Q.3 Seven boxes C, D, E, M, N, O and P are kept one over the other but not necessarily in the same order.
Only D is kept above N. Only two boxes are kept between N and O. Only P is kept below C. E is not kept immediately above O.
How many boxes are kept between M and P?

- Ans
- ☐ 1. One
 - ☐ 2. Three
 - ☒ 3. Two
 - ☐ 4. Four

Q.4 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some pepper are spicy.
All spicy are chilly.

Conclusions:

(I): Some pepper are chilly.

(II): All chilly are spicy.

- Ans
- ☐ 1. Only conclusion (II) follows.
 - ☐ 2. Neither conclusion (I) nor (II) follows.
 - ☐ 3. Both conclusions (I) and (II) follow.
 - ☒ 4. Only conclusion (I) follows.

Q.5 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$28 + 42 \times 2 - 4 \div 3 = ?$$

- Ans
- ☐ 1. 31
 - ☐ 2. 37
 - ☒ 3. 19
 - ☐ 4. 24

Q.6 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 3851764, what will be the sum of the digits which are third from the left and third from the right in the new number thus formed?

- Ans
- ☒ 1. 16
 - ☐ 2. 10
 - ☐ 3. 7
 - ☐ 4. 8

Q.7 What should come in place of the question mark (?) in the given series?

1500, 3005, 6015, 12035, 24075, ?

- Ans
- ☐ 1. 48015
 - ☒ 2. 48155
 - ☐ 3. 48200
 - ☐ 4. 48105

Q.8 In a certain code language, 'WIRE' is coded as '4726' and 'EAST' is coded as '5173'. What is the code for 'E' in the given code language?

- Ans
- ☐ 1. 3
 - ☐ 2. 5
 - ☒ 3. 7
 - ☐ 4. 6



Q.9 Darshan starts from Point Y and drives 6 km towards west. He then takes a right turn and drives 8 km. He then turns right and drives 11 km. He takes a final right turn, drives 8 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only, unless specified.)

- Ans**
- ☐ 1. 4 km towards east
 - ☐ 2. 4 km towards north
 - ☒ 3. 5 km towards west
 - ☐ 4. 6 km towards south

Q.10 What should come in place of the question mark (?) in the given series?

76 , 87 , 101 , 118 , 138 , ?

- Ans**
- ☐ 1. 164
 - ☐ 2. 159
 - ☐ 3. 162
 - ☒ 4. 161

Q.11 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. PTN
 - ☐ 2. JNH
 - ☐ 3. MQK
 - ☒ 4. GKF

Q.12 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 49, 15)
(29, 112, 18)

- Ans**
- ☐ 1. (39, 134, 20)
 - ☒ 2. (30, 75, 5)
 - ☐ 3. (11, 63, 15)
 - ☐ 4. (28, 106, 18)

Q.13 H, I, J, P, Q, R and S are sitting around a circular table facing the centre of the table. I is an immediate neighbour of both Q and H. H sits third to the left of P. R sits to the immediate left of P. J is not an immediate neighbour of H. Who sits third to the left of S?

- Ans**
- ☐ 1. J
 - ☐ 2. P
 - ☒ 3. Q
 - ☐ 4. H

Q.14 All 30 students in a class are standing in a row facing north. Alok is 12th from the right end while Aman is 16th from the left end. How many students stand between Alok and Aman?

- Ans**
- ☐ 1. 3
 - ☒ 2. 2
 - ☐ 3. 5
 - ☐ 4. 4



Q.15 If 3 is added to each odd digit and 1 is subtracted from each even digit in the number 6243514, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. Two
 - ☐ 2. None
 - ☐ 3. Three
 - ☒ 4. One

Q.16 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single digit numbers only.)

(Left) 1 \$ 2 6 7 3 * & 4 β μ 2 5 % 9 0 2 3 6 # @ 8 (Right)

If all the symbols are dropped from the series, which of the following numbers will be the fifth from the left?

- Ans**
- ☒ 1. 3
 - ☐ 2. 4
 - ☐ 3. 2
 - ☐ 4. 1

Q.17 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7431856, which of the following digits will be second from the right in the new number thus formed?

- Ans**
- ☐ 1. 2
 - ☐ 2. 8
 - ☐ 3. 4
 - ☒ 4. 6

Q.18 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

KPV RWC YDJ FKQ ?

- Ans**
- ☐ 1. MXR
 - ☐ 2. MYU
 - ☒ 3. MRX
 - ☐ 4. MUY

Q.19 In a certain code language, 'FATE' is coded as '2357' and 'TURN' is coded as '4126'. What is the code for 'T' in that language?

- Ans**
- ☐ 1. 6
 - ☐ 2. 4
 - ☐ 3. 5
 - ☒ 4. 2

Q.20 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

MT-OV-QS
OV-QX-SU

- Ans**
- ☐ 1. HO-JQ-LM
 - ☐ 2. GO-JQ-LM
 - ☒ 3. HO-JQ-LN
 - ☐ 4. GO-IQ-LM



Q.21 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. TM-OS
 - ☐ 2. SL-NQ
 - ☐ 3. XQ-SV
 - ☐ 4. VO-QT

Q.22 Rajesh, Heera, Neetu, Santosh, Pooja and Arti are sitting around a circle, facing the centre. Rajesh sits second to the left of Arti. Arti sits third to the right of Pooja. Neetu sits second to the left of Santosh. Who sits to the immediate right of Santosh?

- Ans
- ☐ 1. Pooja
 - ☐ 2. Arti
 - ☒ 3. Heera
 - ☐ 4. Rajesh

Q.23 What should come in place of the question mark (?) in the given series?

35 50 70 95 125 ?

- Ans
- ☐ 1. 175
 - ☒ 2. 160
 - ☐ 3. 165
 - ☐ 4. 170

Q.24 In a row of people all facing North, Navya is 12th from the left end. Uma is 19th from the left end. Uma is exactly between Navya and Dilip. If Dilip is 13th from the right end of the line, how many people are there in the row?

- Ans
- ☐ 1. 35
 - ☐ 2. 37
 - ☐ 3. 34
 - ☒ 4. 38

Q.25 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) @ 7 8 % * Ω 2 1 # 4 3 0 π 9 μ 7 8 Ω # 9 β (Right)

How many such symbols are there, which are immediately preceded by an odd number and also immediately followed by an even number?

- Ans
- ☐ 1. Three
 - ☐ 2. Four
 - ☒ 3. One
 - ☐ 4. None

Q.26 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. FL - PG
 - ☐ 2. HN - RI
 - ☐ 3. DJ - NE
 - ☒ 4. BH - LD



Q.27 Gyamel starts from Point A and drives 20 km towards West. He then takes a left turn, drives 18 km, turns left and drives 23 km. He then takes a left turn and drives 25 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 5 km to the West
 - ☐ 2. 4 km to the South
 - ☒ 3. 7 km to the South
 - ☐ 4. 6 km to the North

Q.28 A is the sister of H. H is the father of E. E is the son of N. M is the mother of N. How is A related to N?

- Ans**
- ☐ 1. Daughter's husband's mother
 - ☐ 2. Daughter's husband's sister
 - ☐ 3. Husband's mother
 - ☒ 4. Husband's sister

Q.29 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.
GAIN - AIGN - NIAG
SINE - INSE - ENIS

- Ans**
- ☐ 1. GAME - AMGE - AMEG
 - ☐ 2. MONK - OMNK - KONM
 - ☐ 3. SEAT - SAET - TAES
 - ☒ 4. RICE - ICRE - ECIR

Q.30 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.

MARK - MKRA - KRAM
PLAY - PYAL - YALP

- Ans**
- ☐ 1. TRAY - TRYA - RAYT
 - ☐ 2. FIRE - IFRE - EIRF
 - ☐ 3. GATE - GTAE - ETAG
 - ☒ 4. BUSH - BHSU - HSUB





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	14/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Rabindranath Tagore's "Geetanjali," which was awarded the Nobel Prize in 1913, is best classified as which form of writing?

- Ans**
- ☒ 1. A collection of short stories
 - ☒ 2. A play
 - ☒ 3. A collection of poetry
 - ☒ 4. A novel

Q.2 India participated in the 9th BRICS Industry Ministers' Meeting held on 21 May 2025, under the Chairmanship of which country?

- Ans**
- ☒ 1. Russia
 - ☒ 2. South Africa
 - ☒ 3. Brazil
 - ☒ 4. UAE

Q.3 Which institution played a key role in influencing the structural reforms of the industrial sector in India post 1991?

- Ans**
- ☒ 1. NABARD
 - ☒ 2. WTO
 - ☒ 3. IMF and World Bank
 - ☒ 4. RBI

Q.4 The Acheulian cultural tradition is primarily identified with which types of advanced and symmetrical stone tools?

- Ans**
- ☒ 1. Blades and borers
 - ☒ 2. Microliths and scrapers
 - ☒ 3. Chisels and adzes
 - ☒ 4. Cleavers and hand-axes

Q.5 Which international agreement was signed to control emissions of ozone-depleting substances?

- Ans**
- ☒ 1. Basel Convention
 - ☒ 2. Montreal Protocol
 - ☒ 3. Earth Summit
 - ☒ 4. Kyoto Protocol



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Q.6 Which of the following schemes aims to skill rural youth who are poor and provide them with jobs having regular monthly wages or above the minimum wages?

- Ans**
- ☒ 1. Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY)
 - ☐ 2. Garib Kalyan Rozgar Yojana (GKRY)
 - ☐ 3. Prime Minister Employment Generation Programme (PMEGP)
 - ☐ 4. Pradhan Mantri Kaushal Vikas Yojana (PMKVY)

Q.7 The Human Genome Project, launched in 1990, had the goal of determining the sequence of how many billion base pairs that make up human DNA?

- Ans**
- ☒ 1. 3.0 billion
 - ☐ 2. 5.2 billion
 - ☐ 3. 4.3 billion
 - ☐ 4. 2.1 billion

Q.8 India's foreign trade structure changed significantly under British rule. During the colonial period, what kind of goods did India primarily export?

- Ans**
- ☐ 1. Capital goods
 - ☐ 2. Manufactured goods
 - ☐ 3. Automobiles
 - ☒ 4. Raw materials

Q.9 What name did Dobereiner give to his groups of three similar elements?

- Ans**
- ☐ 1. Triangles
 - ☒ 2. Triads
 - ☐ 3. Triplets
 - ☐ 4. Triodes

Q.10 What does 'dyarchy' mean in the context of the 1919 Act?

- Ans**
- ☐ 1. Power to the judiciary and legislature
 - ☐ 2. Dual monarchy system
 - ☒ 3. Dual control in provinces
 - ☐ 4. Centralised governance

Q.11 What is the primary function of the Control Unit within a CPU?

- Ans**
- ☐ 1. Performing arithmetic calculations
 - ☐ 2. Managing external device connections
 - ☒ 3. Directing the flow of instructions and data
 - ☐ 4. Storing frequently used data

Q.12 Which of the following minerals is known for its insulating properties and is used in electrical industries?

- Ans**
- ☐ 1. Bauxite
 - ☐ 2. Limestone
 - ☒ 3. Mica
 - ☐ 4. Iron ore

Q.13 Which of the following is an example of social legislation introduced by the British during the colonial period in India?

- Ans**
- ☐ 1. The Rowlatt Act
 - ☐ 2. The Vernacular Press Act
 - ☐ 3. The Indian Councils Act
 - ☒ 4. The Widow Remarriage Act



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Q.14 The M23 rebel group, which has recently advanced in eastern regions such as Goma and Bukavu, is active in which of the following countries?

- Ans**
- ☐ 1. South Sudan
 - ☐ 2. Republic of Congo
 - ☒ 3. Democratic Republic of Congo
 - ☐ 4. Central African Republic

Q.15 Which article of the Indian Constitution relates RTI to the fundamental right to freedom of speech and expression?

- Ans**
- ☐ 1. Article 15(1)(b)
 - ☐ 2. Article 21
 - ☐ 3. Article 32
 - ☒ 4. Article 19(1)(a)

Q.16 Which of the following exercises was conducted by the Indian Air Force (IAF) in April 2025 to simulate attacks on mountain and ground targets using advanced fighter jets like Rafale and Su-30MKI?

- Ans**
- ☐ 1. Vayu Shakti
 - ☐ 2. Meghdoot
 - ☒ 3. Aakraman
 - ☐ 4. Gagan Shakti

Q.17 Which of the following Articles of the Indian Constitution is commonly cited as forming the constitutional basis for Judicial Review?

- Ans**
- ☐ 1. Article 30
 - ☐ 2. Article 19
 - ☐ 3. Article 370
 - ☒ 4. Article 13

Q.18 Which Indian institute's scientists unlocked the mystery of a cellular 'messenger' that may help treat Alzheimer's and diabetes?

- Ans**
- ☐ 1. AIIMS New Delhi
 - ☐ 2. IIT Delhi
 - ☒ 3. IISc Bengaluru
 - ☐ 4. IIT Kharagpur

Q.19 What is a special feature of the new 'Agni-Prime' missile tested by India in March 2025?

- Ans**
- ☐ 1. Hits many targets
 - ☒ 2. Canister launch and new materials
 - ☐ 3. Launched from submarines
 - ☐ 4. Cryogenic engine

Q.20 Joseph Francois Dupleix was the governor who led the forces of which of the following European powers?

- Ans**
- ☐ 1. British
 - ☐ 2. Portuguese
 - ☐ 3. Dutch
 - ☒ 4. French



Q.21 What can be the shape of the trajectory of a charged particle moving in a uniform magnetic field?

- Ans**
- ✔ 1. Helical path
 - ✗ 2. Elliptical path
 - ✗ 3. Parabolic path
 - ✗ 4. Hyperbolic path

Q.22 What is the main feature of the 106th Constitutional Amendment Act, 2023?

- Ans**
- ✗ 1. Set up of the Lokpal
 - ✔ 2. Reservation of one-third seats for women in legislatures
 - ✗ 3. Provision of legal status to Right to Property
 - ✗ 4. Abolishment of titles

Q.23 The Western Ghats and the northeastern hills of India are primarily covered with which type of natural vegetation?

- Ans**
- ✔ 1. Tropical Evergreen Forests
 - ✗ 2. Tropical Deciduous Forests
 - ✗ 3. Tropical Thorn Forests
 - ✗ 4. Montane Forests

Q.24 Which nation became the fourth nation to successfully dock two satellites in space in January 2025?

- Ans**
- ✗ 1. China
 - ✗ 2. The US
 - ✗ 3. Russia
 - ✔ 4. India

Q.25 Major Malla Rama Gopal Naidu of the Maratha Light Infantry of the Indian Army was awarded with which of the following honours in May 25?

- Ans**
- ✗ 1. Shaurya Chakra (Posthumous)
 - ✔ 2. Kirti Chakra
 - ✗ 3. Kirti Chakra (Posthumous)
 - ✗ 4. Shaurya Chakra

Q.26 Which of the following is NOT a major cause of the people's revolts before 1857?

- Ans**
- ✗ 1. Exploitation of rural society by corrupt officers.
 - ✗ 2. Destruction of indigenous industries.
 - ✔ 3. Conversion of people to Christianity.
 - ✗ 4. Colonial land revenue settlements.

Q.27 At the 2025 Cannes Film Festival, who was honoured with the Honorary Palme d'Or recognising lifetime achievement?

- Ans**
- ✗ 1. Leonardo DiCaprio
 - ✔ 2. Robert De Niro
 - ✗ 3. Quentin Tarantino
 - ✗ 4. Denzel Washington

Q.28 Which of the following colonial-era buildings in Chennai serves as the headquarters of the Greater Chennai Corporation?

- Ans**
- ✗ 1. High Court
 - ✔ 2. Ripon Building
 - ✗ 3. Fort St. George
 - ✗ 4. Government Museum



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Q.29 Who among the following launched the Nationwide Mass Drug Administration Campaign for Lymphatic Filariasis?

- Ans**
- ☐ 1. Chirag Paswan
 - ☐ 2. Amit Shah
 - ☐ 3. Shivraj Singh Chauhan
 - ☒ 4. Jagat Prakash Nadda

Q.30 Under the Fifth Schedule, which primary authority is granted to the Governor of a State regarding Scheduled Areas?

- Ans**
- ☐ 1. Power to dissolve the State Legislative Assembly
 - ☒ 2. Power to regulate land, forests and social customs in Scheduled Areas
 - ☐ 3. Power to amend the Constitution regarding Schedule amendments
 - ☐ 4. Authority to appoint Members of Parliament from Scheduled Areas

Q.31 Who among the following is the founder of the Pala dynasty?

- Ans**
- ☐ 1. Bhoja
 - ☐ 2. Dharmapala
 - ☒ 3. Gopala
 - ☐ 4. Dhruva

Q.32 In which of the following Indian regions is an alpine climate with snowy winters and cool summers predominant?

- Ans**
- ☐ 1. Thar Desert
 - ☐ 2. Northern Plains
 - ☒ 3. Himalayan Mountains
 - ☐ 4. Western Ghats

Q.33 Which of the following is not a factor that affects ocean currents?

- Ans**
- ☒ 1. Soil type
 - ☐ 2. Temperature differences
 - ☐ 3. Earth's rotation
 - ☐ 4. Wind

Q.34 In which of the following cities of India was Infosys established in 1994?

- Ans**
- ☐ 1. Hyderabad
 - ☐ 2. Mumbai
 - ☒ 3. Bengaluru
 - ☐ 4. Kolkata

Q.35 In February 2025, which major Zambian river was polluted by an acid spill from a Chinese-operated copper mine?

- Ans**
- ☐ 1. Chambeshi River
 - ☒ 2. Kafue River
 - ☐ 3. Luangwa River
 - ☐ 4. Zambezi River

Q.36 Which physical factor most influences the formation of dispersed settlements in hilly and forested regions of India?

- Ans**
- ☐ 1. Industrial development
 - ☐ 2. Language diversity
 - ☐ 3. Railway networks
 - ☒ 4. Altitude and terrain



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Q.37 What is required when creating a file or folder?

- Ans**
- ☐ 1. A password
 - ☐ 2. A desktop shortcut
 - ☐ 3. An email ID
 - ☒ 4. A name

Q.38 Which author released the memoir 'Mother Mary Comes to Me' in 2025, reflecting on her relationship with her late mother?

- Ans**
- ☒ 1. Arundhati Roy
 - ☐ 2. Jhumpa Lahiri
 - ☐ 3. Kiran Desai
 - ☐ 4. Anita Desai

Q.39 Which Indian para-athlete was honoured with the Major Dhyan Chand Khel Ratna Award in 2025 for his achievements in high jump?

- Ans**
- ☐ 1. Mariyappan Thangavelu
 - ☐ 2. Sharad Kumar
 - ☐ 3. Varun Singh Bhati
 - ☒ 4. Praveen Kumar

Q.40 In which state did the DRDO successfully conduct the first flight test of its indigenous Stratospheric Airship Platform (SAP) on 3 May 2025?

- Ans**
- ☐ 1. Odisha
 - ☐ 2. Gujarat
 - ☐ 3. Rajasthan
 - ☒ 4. Madhya Pradesh

Section : Mathematics

Q.1 An article marked at ₹500 is sold for ₹425. What is the percentage discount?

- Ans**
- ☐ 1. 13%
 - ☒ 2. 15%
 - ☐ 3. 14%
 - ☐ 4. 12%

Q.2 Pipe A can fill a tank in 15 hours, pipe B can fill the same tank in 27 hours and pipe C can fill the same tank in 10 hours. The time taken by them to fill the same tank if they operate together is::

- Ans**
- ☐ 1. $8\frac{10}{11}$ hours
 - ☐ 2. $9\frac{10}{11}$ hours
 - ☒ 3. $4\frac{10}{11}$ hours
 - ☐ 4. $12\frac{10}{11}$ hours



Q.3 A vendor claims to sell wheat at a loss of 20%, but he cheats by using weights that are 35% less than the stated weight. What is his actual profit percentage (round off to two decimal places)?

- Ans**
- ☐ 1. 21.33%
 - ☐ 2. 24.74%
 - ☒ 3. 23.08%
 - ☐ 4. 24.72%

Q.4 Find the area of a triangle whose sides are 9 cm, 12 cm, and 15 cm.

- Ans**
- ☐ 1. 60 cm²
 - ☒ 2. 54 cm²
 - ☐ 3. 42 cm²
 - ☐ 4. 48 cm²

Q.5 Simplify: $2\left(\left(\frac{6}{2}\right)x^2 - 22x + 15\right) - 6(x^2 + 5x - 18)$.

- Ans**
- ☐ 1. $-74x - 138$
 - ☐ 2. $74x + 138$
 - ☐ 3. $74x - 138$
 - ☒ 4. $-74x + 138$

Q.6 37 light bulbs were purchased for ₹37, and 19 light bulbs broke in transit. The trader sold the remaining light bulbs at ₹3.90 each. Find his profit.

- Ans**
- ☐ 1. ₹23.60
 - ☒ 2. ₹33.20
 - ☐ 3. ₹33.90
 - ☐ 4. ₹39.80

Q.7 Three times the present age of P exceeds the present age of Q by 23 years. After 7 years, six times Q's age will be 30 years less than six times P's age at that time. What is the present age (in years) of Q?

- Ans**
- ☐ 1. 8
 - ☐ 2. 3
 - ☐ 3. 11
 - ☒ 4. 4

Q.8 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 44^\circ$. E is a point on BC such that $\angle CAE = 23^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☐ 1. 56°
 - ☒ 2. 69°
 - ☐ 3. 77°
 - ☐ 4. 64°

Q.9 The average price of three items of furniture is ₹5,300. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

- Ans**
- ☐ 1. 5,300
 - ☒ 2. 3,180
 - ☐ 3. 1,060
 - ☐ 4. 7,420



Q.10 The number 541096943 is divisible by which of the following?

- Ans
- ☒ 1. 97
 - ☐ 2. 87
 - ☐ 3. 103
 - ☐ 4. 107

Q.11 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 12 months.

- Ans
- ☐ 1. ₹68
 - ☐ 2. ₹96
 - ☒ 3. ₹48
 - ☐ 4. ₹576

Q.12 The number of prime numbers lying between 393 and 401, both included, is:

- Ans
- ☐ 1. 7
 - ☒ 2. 2
 - ☐ 3. 3
 - ☐ 4. 1

Q.13 The product of two consecutive natural numbers is 462. The greater of the two numbers is:

- Ans
- ☐ 1. 21
 - ☒ 2. 22
 - ☐ 3. 23
 - ☐ 4. 24

Q.14 An article is marked at ₹1,500 and sold for ₹1,200. Find the percentage discount.

- Ans
- ☒ 1. 20%
 - ☐ 2. 30%
 - ☐ 3. 25%
 - ☐ 4. 15%

Q.15 Find the simple interest (in ₹) on ₹4,000 at 7.5% per annum rate of interest deposited on 8 February 2024 and withdrawn on 9 April 2024.

- Ans
- ☒ 1. 50
 - ☐ 2. 51
 - ☐ 3. 48
 - ☐ 4. 49

Q.16 *By how much is 65% of 65 greater than $\frac{2}{5}$ of 25?*

- Ans
- ☐ 1. 29.25
 - ☐ 2. 30.25
 - ☐ 3. 26.25
 - ☒ 4. 32.25



Q.17 4 men can complete a piece of work in 10 days, while 3 women can do it in 16 days. In how many days can 6 women and 5 men complete this work?

- Ans**
- ☐ 1. 5 days
 - ☐ 2. 3 days
 - ☒ 3. 4 days
 - ☐ 4. 6 days

Q.18 Zeeshan travels 612 km at 68 km/hr, the next 312 km at 39 km/hr and the next 620 km at 62 km/hr. What is his average speed (in km/hr) for the whole journey? (Round off your answer to two decimal places)

- Ans**
- ☐ 1. 51.18
 - ☒ 2. 57.19
 - ☐ 3. 66.13
 - ☐ 4. 58.22

Q.19 Which of the following numbers divides 718754023?

- Ans**
- ☐ 1. 21
 - ☐ 2. 3
 - ☐ 3. 18
 - ☒ 4. 13

Q.20 A, B and C invested a sum in the ratio of 8 : 36 : 76, respectively. If they earned a total profit of ₹3,030 at the end of the year, what is the difference between the shares of B and C?

- Ans**
- ☐ 1. ₹1,051
 - ☒ 2. ₹1,010
 - ☐ 3. ₹1,046
 - ☐ 4. ₹993

Q.21 ₹30,600 was divided among A, B and C such that 8 times the share of A = 4 times the share of B = 3 times the share of C. Find the share of A.

- Ans**
- ☒ 1. ₹5,400
 - ☐ 2. ₹5,252
 - ☐ 3. ₹5,594
 - ☐ 4. ₹5,377

Q.22 If the radius of the base of a right circular cylinder is decreased by 18% and its height is increased by 141%, then what is the percentage increase (closest integer) in its volume?

- Ans**
- ☐ 1. 74%
 - ☐ 2. 92%
 - ☐ 3. 43%
 - ☒ 4. 62%

Q.23 A man walks to a viewpoint and returns to the starting point by his car maintaining a constant speed and thus, takes a total time of 4 hours 45 minutes. He would have gained 2 hours by driving both ways. How long would it have taken for him to walk both ways with the same walking speed?

- Ans**
- ☐ 1. 6 hours 30 minutes
 - ☐ 2. 7 hours 15 minutes
 - ☐ 3. 5 hours 45 minutes
 - ☒ 4. 6 hours 45 minutes



Q.24 The average runs scored by a batsman in 23 matches is 43. In the next 10 matches, the batsman scored an average of 14 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

- Ans**
- ☐ 1. 35.21
 - ☒ 2. 34.21
 - ☐ 3. 33.21
 - ☐ 4. 36.21

Q.25 Find the value of $[135 \div \{25 + 5 \times (7 - 3)\}]$.

- Ans**
- ☒ 1. 3
 - ☐ 2. 5
 - ☐ 3. 2
 - ☐ 4. 4

Q.26 Aditya is standing on a light house of 150 m height and watching two boats on either side with angles of depression of 30° and 60° , respectively. Find the distance between the two boats.

- Ans**
- ☐ 1. 300 m
 - ☐ 2. $150\sqrt{3}$ m
 - ☐ 3. 250 m
 - ☒ 4. $200\sqrt{3}$ m

Q.27 Salil's salary was first reduced by 25% and subsequently raised by 12%. What percentage was his final salary lower than his initial salary?

- Ans**
- ☐ 1. 3%
 - ☒ 2. 16%
 - ☐ 3. 12%
 - ☐ 4. 25%

Q.28 The LCM of the numbers 4.7 and 0.04 is:

- Ans**
- ☐ 1. 94
 - ☐ 2. 0.94
 - ☒ 3. 9.4
 - ☐ 4. 0.094

Q.29 If the third proportional of 16 and 40 be x, then what is the value of x?

- Ans**
- ☐ 1. 102
 - ☐ 2. 99
 - ☐ 3. 101
 - ☒ 4. 100

Q.30 The value of $\sqrt[3]{(1.0201)}$ is _____.

- Ans**
- ☐ 1. 1.02
 - ☐ 2. 10.1
 - ☐ 3. 101
 - ☒ 4. 1.01



Q.1 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) @ + 1 < 9 6 9 2 % \ \$ \ + 2 & \$ 3 2 ^ 9 9 (Right)

How many such numbers are there that are immediately preceded by a symbol and immediately followed by another number?

- Ans**
- ☒ 1. Three
 - ☐ 2. One
 - ☐ 3. Two
 - ☐ 4. Four

Q.2 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$75 \times 5 + 11 - 2 \div 18 = ?$$

- Ans**
- ☐ 1. 21
 - ☐ 2. 17
 - ☐ 3. 26
 - ☒ 4. 11

Q.3 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. KE-MF
 - ☐ 2. EY-GZ
 - ☐ 3. YS-AT
 - ☒ 4. PJ-RI

Q.4 A is the brother of S. S is the daughter of L. L is married to K. K is the daughter of D. D is the father of P. P is the sister of R. R is married to N. How is D related to S?

- Ans**
- ☐ 1. Father's brother
 - ☐ 2. Father
 - ☒ 3. Mother's father
 - ☐ 4. Father's father

Q.5 Each of the digits in the number 5341289 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ 1. Two
 - ☐ 2. One
 - ☐ 3. None
 - ☐ 4. Three

Q.6 What should come in place of the question mark (?) in the given series?

108 122 139 159 182 208 ?

- Ans**
- ☐ 1. 222
 - ☒ 2. 237
 - ☐ 3. 229
 - ☐ 4. 248



Q.7 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(19, 31, 55)

(14, 26, 50)

- Ans**
- ☒ 1. (48, 60, 84)
 - ☐ 2. (18, 32, 54)
 - ☐ 3. (15, 30, 45)
 - ☐ 4. (13, 26, 43)

Q.8 If '+' means 'subtraction', '-' means 'multiplication', 'x' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$64 \times 8 + 6 - 6 \div 33 = ?$$

- Ans**
- ☐ 1. 20
 - ☒ 2. 5
 - ☐ 3. 10
 - ☐ 4. 15

Q.9 What should come in place of the question mark (?) in the following series?

2 6 12 20 ?

- Ans**
- ☐ 1. 40
 - ☐ 2. 35
 - ☒ 3. 30
 - ☐ 4. 25

Q.10 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

WRM RMH MHC HCX ?

- Ans**
- ☐ 1. CXD
 - ☐ 2. CDX
 - ☒ 3. CXS
 - ☐ 4. CSX

Q.11 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

LIVE – ELVI – LEIV

HANG – GHNA – HGAN

- Ans**
- ☐ 1. PORT – TPOR – ORTP
 - ☐ 2. REDS – ERDS – SEDR
 - ☒ 3. DUSK – KDSU – DKUS
 - ☐ 4. PAIN – NPIA – PANI

Q.12 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ERT : FSV

RDX : SEZ

- Ans**
- ☐ 1. DUC : EVD
 - ☒ 2. UHS : VIU
 - ☐ 3. EOC : FPF
 - ☐ 4. IOP : JPS



Q.13 HDLI is related to FBJG in a certain way based on the English alphabetical order. In the same way, KGOL is related to IEMJ. To which of the given options is NJRO related, following the same logic?

- Ans**
- ☒ 1. LHPM
 - ☐ 2. LHMP
 - ☐ 3. HLP M
 - ☐ 4. HLMP

Q.14 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. SXR
 - ☐ 2. LQK
 - ☒ 3. NSL
 - ☐ 4. QVP

Q.15 Gautam starts from Point A and drives 9 km towards south. He then takes a right turn, drives 4 km, turns right and drives 11 km. He then takes a right turn and drives 6 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 2 km to east
 - ☒ 2. 2 km to west
 - ☐ 3. 3 km to west
 - ☐ 4. 3 km to east

Q.16 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ZY 43 VU 40 RQ 35 NM 28 ?

- Ans**
- ☒ 1. JI 19
 - ☐ 2. JI 18
 - ☐ 3. KJ 18
 - ☐ 4. KJ 19

Q.17 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. G is kept immediately above F. C is kept immediately above A. Only E is kept above B. Only two boxes are kept above G. C is not kept at the third position from the bottom. How many boxes are kept above B?

- Ans**
- ☒ 1. 1
 - ☐ 2. 4
 - ☐ 3. 3
 - ☐ 4. 2



Q.18 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All buckets are mugs.

All mugs are cans.

Conclusions:

(I) Some cans are mugs.

(II) All buckets are cans.

- Ans**
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☒ 2. Both conclusions (I) and (II) follow.
 - ☒ 3. Only conclusion (I) follows.
 - ☒ 4. Only conclusion (II) follows.

Q.19 This question is based on the five, three-digit numbers given below.
(Left) 629 189 586 643 746 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If 2 is added to the first digit of every number, in how many numbers thus formed will the first digit be exactly divisible by the second digit?

- Ans**
- ☒ 1. Three
 - ☒ 2. None
 - ☒ 3. Two
 - ☒ 4. One

Q.20 In a certain code language, 'BORN' is coded as '3257' and 'RIPE' is coded as '6142'. What is the code for 'R' in the given code language?

- Ans**
- ☒ 1. 5
 - ☒ 2. 6
 - ☒ 3. 4
 - ☒ 4. 2

Q.21 Seven people, G, H, I, J, K, L and S, are sitting around a circular table facing the centre of the table. I sits third to the left of J. Only two people sit between J and G. Only three people sit between I and L. K sits to the immediate left of H. How many people sit between K and S when counted from the right of S?

- Ans**
- ☒ 1. Four
 - ☒ 2. One
 - ☒ 3. Two
 - ☒ 4. Three

Q.22 Pranay ranked 14th from the top and 44th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 55
 - ☒ 2. 56
 - ☒ 3. 58
 - ☒ 4. 57

Q.23 In a certain code language, 'CAME' is coded as '6781' and 'RACE' is coded as '5618'. What is the code for 'R' in the given code language?

- Ans**
- ☒ 1. 5
 - ☒ 2. 8
 - ☒ 3. 1
 - ☒ 4. 6



Q.24 Each of the digits in the number 7314685 is arranged in ascending order from left to right. What will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

- Ans**
- ☐ 1. 9
 - ☐ 2. 7
 - ☐ 3. 6
 - ☒ 4. 10

Q.25 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All triangles are compasses.

All squares are compasses.

Conclusions:

(I) Some triangles are squares.

(II) Some compasses are squares.

- Ans**
- ☐ 1. Neither conclusion (I) nor (II) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☐ 3. Both conclusions (I) and (II) follow.
 - ☐ 4. Only conclusion (I) follows.

Q.26 Seven boxes U, V, W, X, E, F and G are kept one over the other but not necessarily in the same order. U is kept immediately above V. X is kept immediately above W. Only E is kept above G. Only two boxes are kept above U. X is not kept at the third position from the bottom. How many boxes are kept between F and E?

- Ans**
- ☐ 1. One
 - ☐ 2. Four
 - ☒ 3. Three
 - ☐ 4. Two

Q.27 Seven people, I, J, K, L, P, Q and R, are sitting in a row, facing north. Only two people sit to the left of K. Only three people sit between K and L. Only one person sits between L and J. P sits to the immediate left of I. Q is not an immediate neighbour of L. How many people sit to the right of R?

- Ans**
- ☒ 1. One
 - ☐ 2. Four
 - ☐ 3. Three
 - ☐ 4. Two

Q.28 Divesh starts from point D and runs 3 km towards south. He then takes a right turn and runs 4 km. He then takes a left turn and runs 3 km. He takes another left turn and runs 4 km. He takes a final right turn and runs 1 km to reach point E. How far (shortest distance) and towards which direction should he run in order to reach point D again? (All turns are 90-degree turns only unless otherwise specified.)

- Ans**
- ☒ 1. 7 km north
 - ☐ 2. 6 km north
 - ☐ 3. 3 km north
 - ☐ 4. 4 km north



Q.29 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans  1. BEKR

 2. CGLS

 3. LPUB

 4. QUZG

Q.30 What should come in place of the question mark (?) in the given series?
91, 102, 119, 142, 171, ?

Ans  1. 204

 2. 214

 3. 215

 4. 206





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	14/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Market control under Alauddin Khilji aimed mainly to _____.

- Ans**
- ☒ 1. patronise artisan guilds
 - ☒ 2. encourage foreign trade
 - ☒ 3. promote luxury crafts and goods
 - ☒ 4. check price inflation for army provisions

Q.2 Which natural feature divides the Lakshadweep islands into two broad parts?

- Ans**
- ☒ 1. Equator
 - ☒ 2. Nine Degree Channel
 - ☒ 3. Ten Degree Channel
 - ☒ 4. Tropic of Cancer

Q.3 In which of the following Indian states is the Sundarbans Biosphere Reserve located?

- Ans**
- ☒ 1. Tamil Nadu
 - ☒ 2. West Bengal
 - ☒ 3. Assam
 - ☒ 4. Odisha

Q.4 Who was the first Indian to win a gold medal at the Commonwealth Games?

- Ans**
- ☒ 1. Sushil Kumar
 - ☒ 2. PT Usha
 - ☒ 3. Leander Paes
 - ☒ 4. Milkha Singh

Q.5 Which of the following is a distinctive feature of tribal settlements in India?

- Ans**
- ☒ 1. Modern infrastructure and transportation
 - ☒ 2. Skyscrapers
 - ☒ 3. Planned city layouts
 - ☒ 4. Scattered or linear village pattern in forested or hilly areas



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Q.6 Which state leads the fiscal health index 2025 with a top score of 67.8?

- Ans**
- ☐ 1. Telangana
 - ☒ 2. Odisha
 - ☐ 3. Maharashtra
 - ☐ 4. Chhattisgarh

Q.7 Who has the power to give directions to the State Government to ensure compliance with Union laws?

- Ans**
- ☐ 1. Prime Minister of India
 - ☐ 2. Parliament of India
 - ☐ 3. Supreme Court of India
 - ☒ 4. President of India

Q.8 In June 2025, a 'Maha Kumbhabhishekam' was performed after 270 years at the Sree Padmanabhaswamy Temple, located in which Indian State?

- Ans**
- ☐ 1. Karnataka
 - ☐ 2. Tamil Nadu
 - ☒ 3. Kerala
 - ☐ 4. Andhra Pradesh

Q.9 The 44th Amendment (1978) removed which of the following from the list of Fundamental Rights, converting it into a mere legal right under Article 300A?

- Ans**
- ☐ 1. Right to Equality
 - ☐ 2. Right to Constitutional Remedies
 - ☐ 3. Right to Education
 - ☒ 4. Right to Property

Q.10 Which of the following subjects was moved from the State List to the Concurrent List by the 42nd Amendment Act?

- Ans**
- ☐ 1. Police
 - ☐ 2. Agriculture
 - ☐ 3. Public health
 - ☒ 4. Education

Q.11 Under guidance of which of the following organisations were the civil defence mock drills conducted under Operation Shield in Haryana in May 2025?

- Ans**
- ☐ 1. Election Commission of India
 - ☐ 2. National Disaster Management Authority
 - ☐ 3. Ministry of Defence
 - ☒ 4. Union Ministry of Home Affairs

Q.12 What is the maximum strength of members in a State Legislative Assembly as per the Constitution of India?

- Ans**
- ☐ 1. 475
 - ☐ 2. 450
 - ☐ 3. 435
 - ☒ 4. 500



Q.13 Which of the following infrastructure initiatives is associated with urban development in India?

- Ans**
- ☐ 1. RURBAN Mission
 - ☐ 2. Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan
 - ☐ 3. Managed Services Provider Scheme
 - ☒ 4. Atal Mission for Rejuvenation and Urban Transformation

Q.14 Which is the first State where India's first organic fish cluster was launched by the Central Government?

- Ans**
- ☐ 1. Assam
 - ☐ 2. Mizoram
 - ☒ 3. Sikkim
 - ☐ 4. Meghalaya

Q.15 What does the abbreviation ASCII stand for?

- Ans**
- ☐ 1. Advanced Secure Communication Interface
 - ☐ 2. Analog Signal Coding Interface Index
 - ☐ 3. Automated System for Computer Integrated Information
 - ☒ 4. American Standard Code for Information Interchange

Q.16 Which of the following is a traditional folk painting style from Bihar?

- Ans**
- ☐ 1. Warli
 - ☐ 2. Pattachitra
 - ☐ 3. Kalamkari
 - ☒ 4. Madhubani

Q.17 In March 2025, ISRO advanced in developing which engine for LVM3?

- Ans**
- ☐ 1. Electric jet engine
 - ☐ 2. Turbo plasma engine
 - ☒ 3. Semicryogenic engine
 - ☐ 4. Liquid booster

Q.18 Which indigenous radar system, developed by DRDO in 2025, is designed to enhance the capabilities of the Tejas Mk1A aircraft?

- Ans**
- ☐ 1. Revathi
 - ☐ 2. Bharani Mk I
 - ☒ 3. Uttam AESA
 - ☐ 4. Aslesha Mk I

Q.19 The Andaman and Nicobar Islands are separated by which water body?

- Ans**
- ☐ 1. Gulf of Mannar
 - ☐ 2. Nine Degree Channel
 - ☒ 3. Ten Degree Channel
 - ☐ 4. Duncan Passage

Q.20 As per the 2025 Human Development Index (HDI) report, what is India's HDI value for 2023 that places it in the medium human development category?

- Ans**
- ☐ 1. 0.496
 - ☐ 2. 0.721
 - ☒ 3. 0.685
 - ☐ 4. 0.810



Q.21 Which edition of National Voters' Day was celebrated on 25 January 2025 to commemorate the foundation day of the Election Commission of India?

- Ans**
- ☐ 1. 5th
 - ☒ 2. 15th
 - ☐ 3. 20th
 - ☐ 4. 10th

Q.22 Why is infrastructure referred to as a 'universal intermediate'?

- Ans**
- ☐ 1. It is the most profitable sector.
 - ☐ 2. It is universally available in every country.
 - ☒ 3. It is used in the production of nearly all goods and services.
 - ☐ 4. It connects urban and rural areas.

Q.23 In the April 2025 International Shooting Sport Federation World Cup, in which shooting event did Saurabh Chaudhary win a bronze medal?

- Ans**
- ☐ 1. 50 m Rifle 3 Positions
 - ☐ 2. 25 m Rapid Fire Pistol
 - ☐ 3. Skeet Shooting
 - ☒ 4. 10 m Air Pistol

Q.24 The reservation of seats in Panchayats for SCs/STs and women comes under which Article?

- Ans**
- ☐ 1. Article 243E
 - ☐ 2. Article 243A
 - ☒ 3. Article 243D
 - ☐ 4. Article 243B

Q.25 On 1 May 2025, the Election Commission of India has launched how many major initiatives to improve the accuracy of voter list and ease the voting process?

- Ans**
- ☐ 1. 6
 - ☒ 2. 3
 - ☐ 3. 2
 - ☐ 4. 4

Q.26 What does the 'Ctrl + V' shortcut key do?

- Ans**
- ☒ 1. It pastes the copied text or files.
 - ☐ 2. It copies the selected text or files.
 - ☐ 3. It cuts the selected text or files.
 - ☐ 4. It saves the current document.

Q.27 Who is considered unemployed under the Usual Status (US) measure?

- Ans**
- ☐ 1. Someone working only one day a week
 - ☐ 2. Someone retired from work
 - ☒ 3. Someone not working but seeking work over a long period
 - ☐ 4. Someone working part-time

Q.28 The Mahila Kisan Sashaktikaran Pariyojana (MKSP), is a key sub-scheme under _____.

- Ans**
- ☐ 1. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)
 - ☒ 2. Deen Dayal Antyodaya Yojana - National Rural Livelihoods Mission (DAY-NRLM)
 - ☐ 3. National Social Assistance Programme (NSAP)
 - ☐ 4. Deen Dayal Upadhyaya G



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Q.29 What is the value of one curie (Ci) in SI units of radioactivity?

- Ans**
- ☐ 1. 3.7×10^6 disintegrations per second
 - ☐ 2. 1.6×10^{10} disintegrations per second
 - ☐ 3. 6.02×10^8 disintegrations per second
 - ☒ 4. 3.7×10^{10} disintegrations per second

Q.30 What happens to tectonic plates at divergent boundaries?

- Ans**
- ☐ 1. They stay in one place.
 - ☒ 2. They move away from each other.
 - ☐ 3. They slide past one another.
 - ☐ 4. They move towards each other.

Q.31 The term gomati in the Rigveda refers to which of the following?

- Ans**
- ☐ 1. A warrior
 - ☐ 2. A priest
 - ☒ 3. A wealthy person
 - ☐ 4. A milkmaid

Q.32 Which two parties signed a landmark Digital Trade Agreement (DTA) in May 2025 to deepen digital and economic cooperation?

- Ans**
- ☐ 1. United States and Japan
 - ☒ 2. European Union and Singapore
 - ☐ 3. China and South Korea
 - ☐ 4. India and Australia

Q.33 In which of the following regions did Rani Avantibai Lodhi of Ramgarh raise and lead an army of four thousand against the British, who had taken over the administration of her state?

- Ans**
- ☐ 1. North-Eastern regions of Rajasthan
 - ☐ 2. Lucknow and Kanpur
 - ☐ 3. The region of Awadh
 - ☒ 4. Mandla region of Madhya Pradesh

Q.34 Which of the following correctly represents the function of dietary fibre in the human diet?

- Ans**
- ☐ 1. Increases cholesterol
 - ☐ 2. Helps build muscle
 - ☒ 3. Aids digestion
 - ☐ 4. Provides energy

Q.35 In April 2025, India developed two (Human Papillomavirus test) HPV testing kits for the diagnosis of which type of cancer?

- Ans**
- ☐ 1. Brain cancer
 - ☐ 2. Prostate cancer
 - ☐ 3. Blood cancer
 - ☒ 4. Cervical cancer

Q.36 In 1869, who is credited with publishing the first widely recognized version of the periodic table?

- Ans**
- ☐ 1. John Alexander Newlands
 - ☒ 2. Dmitri Mendeleev
 - ☐ 3. Johann Dobereiner
 - ☐ 4. Lothar Meyer



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Q.37 Who were members of the States Reorganisation Commission formed in 1953?

- Ans**
- ☒ 1. HN Kunzru, KM Panikkar, Fazl Ali
 - ☐ 2. Nehru, Ambedkar, Azad
 - ☐ 3. Rajaji, Nehru, Bose
 - ☐ 4. Rajendra Prasad, Patel, Rajaji

Q.38 Which of the following European powers was the first to arrive in India by sea route?

- Ans**
- ☐ 1. French
 - ☒ 2. Portuguese
 - ☐ 3. Dutch
 - ☐ 4. English

Q.39 Which of the following tribes is mainly found in the north-eastern part of India?

- Ans**
- ☐ 1. Gonds
 - ☒ 2. Nagas
 - ☐ 3. Santhals
 - ☐ 4. Bhils

Q.40 On which date did ISRO attempt its 101st launch, which could not be accomplished due to technical problems during its third stage?

- Ans**
- ☐ 1. 14 May 2025
 - ☒ 2. 18 May 2025
 - ☐ 3. 20 May 2025
 - ☐ 4. 16 May 2025

Section : Mathematics

Q.1 Rishi bought some pens at the rate of ₹180/dozen. He sold them for ₹21 each. His profit percentage is _____%.

- Ans**
- ☒ 1. 40
 - ☐ 2. 38
 - ☐ 3. 44
 - ☐ 4. 42

Q.2 Evaluate: $(-9) - (-60) \div (-10) + (-4) \times 7$

- Ans**
- ☐ 1. -42
 - ☒ 2. -43
 - ☐ 3. -45
 - ☐ 4. -46

Q.3 A sum of ₹10,00,000 amounts to ₹10,92,727 in 3 years at a certain rate of interest per annum, compounded annually. The rate of interest per annum is:

- Ans**
- ☐ 1. 6%
 - ☐ 2. 4%
 - ☐ 3. 2%
 - ☒ 4. 3%



Q.4 The sum of five numbers is 655. The average of the first two numbers is 79 and the third number is 135. Find the average of the remaining two numbers.

- Ans**
- ☒ 1. 214
 - ☒ 2. 181
 - ☒ 3. 182
 - ☒ 4. 215

Q.5 In an election between two candidates, 80% of the registered voters cast their vote and 2% of the votes polled were found invalid. The winning candidate got 52% of the valid votes and won the election by a margin of 1568 votes. How many voters were registered?

- Ans**
- ☒ 1. 49999
 - ☒ 2. 50002
 - ☒ 3. 50000
 - ☒ 4. 49997

Q.6 If the 6-digit number N37M01 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans**
- ☒ 1. $M = N$
 - ☒ 2. $M - N = 1$
 - ☒ 3. $M - N = 3$
 - ☒ 4. $M + N = -3$

Q.7 If $\sec\theta + \tan\theta = \frac{3}{2}$, then the value of $\cos\theta$ is:

- Ans**
- ☒ 1. $\frac{12}{13}$
 - ☒ 2. $\frac{1}{2}$
 - ☒ 3. $\frac{8}{17}$
 - ☒ 4. $\frac{4}{5}$

Q.8 The product of the LCM and HCF of two numbers is 150. The difference of the two numbers is 5. Find the numbers.

- Ans**
- ☒ 1. 15, 10
 - ☒ 2. 15, 20
 - ☒ 3. 20, 25
 - ☒ 4. 30, 25

Q.9 A number, when increased by 70%, gives 3570. The number is:

- Ans**
- ☒ 1. 2100
 - ☒ 2. 6300
 - ☒ 3. 1050
 - ☒ 4. 4200

Q.10 If 2 times a son's age is added to his father's age, the sum is 42 years. If 2.2 times the father's age is added to the son's age, the sum is 89 years. What is the father's age (in years)?

- Ans**
- ☒ 1. 42
 - ☒ 2. 40
 - ☒ 3. 44
 - ☒ 4. 37



Q.11 Sapna invested ₹21,600 on simple interest, partly at 14% per annum and partly at 4% per annum. If she earns equal interests from the two investments after 6 years, then find the sum invested at 14% per annum (in ₹).

- Ans**
- ☐ 1. 4,798
 - ☒ 2. 4,800
 - ☐ 3. 4,801
 - ☐ 4. 4,802

Q.12 Two pipes can fill a cistern, individually, in 33 minutes and 22 minutes, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 18 minutes. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

- Ans**
- ☐ 1. 99 minutes
 - ☒ 2. 49.5 minutes
 - ☐ 3. 79 minutes
 - ☐ 4. 39.5 minutes

Q.13 Find the value of x satisfying: $2(5x^2 - 5) - 5(2x^2 + 9x - 5) = 18$

- Ans**
- ☐ 1. $-\frac{7}{15}$
 - ☐ 2. $\frac{4}{15}$
 - ☐ 3. $\frac{2}{15}$
 - ☒ 4. $-\frac{1}{15}$

Q.14 Find the value of: $[640 \div \{ 22 + 6 \times (4 - 5) \}]$.

- Ans**
- ☐ 1. 37
 - ☐ 2. 36
 - ☐ 3. 45
 - ☒ 4. 40

Q.15 A dealer marks his goods at 40% above the cost price and allows a discount of 45%. What would be his loss percentage?

- Ans**
- ☐ 1. 5%
 - ☒ 2. 23%
 - ☐ 3. 24%
 - ☐ 4. 18%

Q.16 An article is sold at a profit of 54%. If the cost price is increased by ₹75 and the selling price is reduced by ₹66, then the profit would be 40.8%. What is the original cost price (in ₹) of the article?

- Ans**
- ☐ 1. 1,400
 - ☐ 2. 1,500
 - ☐ 3. 1,000
 - ☒ 4. 1,300



Q.17 If 69% of first number is equal to four-fifths of second number, what is the ratio of first number to the second number?

- Ans**
- ☒ 1. 80 : 69
 - ☐ 2. 76 : 64
 - ☐ 3. 84 : 71
 - ☐ 4. 79 : 68

Q.18 A man walks to a viewpoint and returns to the starting point by his car maintaining constant speed and thus, takes a total time of 4 hours 15 minutes. He would have gained 4 hours by driving both ways. How long would it have taken for him to walk both ways with the same walking speed?

- Ans**
- ☐ 1. 9 hours 30 minutes
 - ☐ 2. 8 hours 45 minutes
 - ☒ 3. 8 hours 15 minutes
 - ☐ 4. 7 hours 15 minutes

Q.19 The average of first 168 even numbers is

- Ans**
- ☐ 1. 170
 - ☐ 2. 168.5
 - ☒ 3. 169
 - ☐ 4. 169.5

Q.20 The length of each of the two equal sides of an isosceles triangle is 85 cm and the length of its base is 72 cm. The area (in cm^2) of the triangle is:

- Ans**
- ☒ 1. 2772
 - ☐ 2. 2756
 - ☐ 3. 2784
 - ☐ 4. 2767

Q.21 A pair of shoes is sold by a retailer at a 20% discount on the marked price, but the retailer still makes a 28% profit on the cost price. What is the ratio of the marked price to the cost price of the shoes?

- Ans**
- ☒ 1. 8 : 5
 - ☐ 2. 7 : 4
 - ☐ 3. 3 : 5
 - ☐ 4. 9 : 7

Q.22 Find the perimeter of a rectangle whose length and breadth are 5 cm and 8 cm.

- Ans**
- ☐ 1. 20 cm
 - ☒ 2. 26 cm
 - ☐ 3. 39 cm
 - ☐ 4. 13 cm



Q.23 Pipe A can fill a tank in 20 hours, pipe B can fill the same tank in 22 hours and pipe C can fill the same tank in 14 hours. The time taken by them to fill the same tank if they operate together is::

Ans

 1. $14\frac{255}{257} \text{ hours}$

 2. $5\frac{255}{257} \text{ hours}$

 3. $2\frac{255}{257} \text{ hours}$

 4. $9\frac{255}{257} \text{ hours}$

Q.24 Neha, Rajat and Avinash invested ₹1,210, ₹1,650 and ₹1,300, respectively to start a business. If the profit at the end of the year is ₹1,200, what is Avinash's share of the profit?

Ans

 1. ₹374

 2. ₹377

 3. ₹375

 4. ₹376

Q.25 The number 769501 is divisible by which of the following?

Ans

 1. 96

 2. 97

 3. 90

 4. 105

Q.26 Which of the following numbers is divisible by 22?

Ans

 1. 65,80,350

 2. 64,67,614

 3. 61,36,901

 4. 71,32,950

Q.27 In covering a distance of 96 km, Anmol takes 6 hours more than Nikhil. If Anmol doubles his speed, then he would take 2 hours less than Nikhil. Anmol's speed is:

Ans

 1. 12 km/hr

 2. 6 km/hr

 3. 2 km/hr

 4. 16 km/hr

Q.28 ₹73,500 were divided among A, B and C such that 6 times the share of A = 9 times the share of B = 2 times the share of C. Find the share of A.

Ans

 1. ₹15,648

 2. ₹15,570

 3. ₹15,750

 4. ₹15,848

Q.29 A solid cuboid with dimensions 24 cm × 16 cm × 10 cm is melted to form smaller solid cubes with sides of length 4 cm. Determine the number of cubes formed.

Ans

 1. 60

 2. 64

 3. 68

 4. 62



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Q.30 The sum of the squares of two consecutive even natural numbers is 2740. The sum of the numbers is:

- Ans**
- ✓ 1. 74
 - ✗ 2. 80
 - ✗ 3. 70
 - ✗ 4. 88

Section : General Intelligence and Reasoning

Q.1 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All lakes are ponds.
All ponds are rivers.

Conclusions:

(I): All lakes are rivers.
(II): All rivers are ponds.

- Ans**
- ✗ 1. Neither Conclusion I nor II follows
 - ✗ 2. Both Conclusions I and II follow
 - ✓ 3. Only Conclusion I follows
 - ✗ 4. Only Conclusion II follows

Q.2 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✗ 1. JM-DH
 - ✗ 2. HK-BF
 - ✓ 3. OR-IN
 - ✗ 4. MP-GK

Q.3 RBNH is related to KUGA in a certain way based on the English alphabetical order. In the same way, PZLF is related to ISEY. To which of the given options is UEQK related, following the same logic?

- Ans**
- ✓ 1. NXJD
 - ✗ 2. NXDJ
 - ✗ 3. NDXJ
 - ✗ 4. NDFR

Q.4 What should come in place of the question mark (?) in the given series?

2 12 32 62 102 ?

- Ans**
- ✗ 1. 155
 - ✗ 2. 156
 - ✓ 3. 152
 - ✗ 4. 150

Q.5 What should come in place of the question mark (?) in the given series?

3 3 4 6 9 ?

- Ans**
- ✗ 1. 10
 - ✗ 2. 12
 - ✓ 3. 13
 - ✗ 4. 11



Q.6 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 72518643, then what will be the difference between the first and the last digit in the number thus formed?

- Ans**
- ☐ 1. 2
 - ☐ 2. 6
 - ☐ 3. 8
 - ☒ 4. 4

Q.7 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CNQ EPS GRU ITW ?

- Ans**
- ☒ 1. KVV
 - ☐ 2. JUX
 - ☐ 3. JVV
 - ☐ 4. KUX

Q.8 What should come in place of the question mark (?) in the given series?

15, 30, 60, 120, ?, 480

- Ans**
- ☐ 1. 220
 - ☒ 2. 240
 - ☐ 3. 260
 - ☐ 4. 280

Q.9 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. PT-WR
 - ☐ 2. RV-YT
 - ☐ 3. KO-RM
 - ☒ 4. BF-IC

Q.10 Hitesh starts from Point A and drives 9 km towards East. He then takes a left turn, drives 4 km, turns left and drives 11 km. He then takes a left turn and drives 6 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 3 km to South
 - ☒ 2. 2 km to North
 - ☐ 3. 3 km to North
 - ☐ 4. 2 km to South

Q.11 YUWT is related to UQSP in a certain way based on the English alphabetical order. In the same way, OKMJ is related to KGIF. To which of the following is LHJG related, following the same logic?

- Ans**
- ☐ 1. HDEC
 - ☐ 2. HCEC
 - ☐ 3. HEEF
 - ☒ 4. HDFC



Q.12 Seven boxes F, G, H, M, N, O and P are kept one over the other but not necessarily in the same order. Only three boxes are kept above G. Only one box is kept between F and G. Only three boxes are kept between F and N. N is kept at some place above G. O is kept immediately below N. M is kept at one of the places above P. H is not kept immediately above or below F. Which box is kept at the lowermost position?

- Ans**
- ☐ 1. F
 - ☒ 2. P
 - ☐ 3. M
 - ☐ 4. H

Q.13 In a certain code language, 'HUGE' is coded as '4627' and 'GIRL' is coded as '1365'. What is the code for 'G' in the given code language?

- Ans**
- ☐ 1. 5
 - ☐ 2. 1
 - ☒ 3. 6
 - ☐ 4. 7

Q.14 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FDS 43 HGO 32 JJK 21 ? NPC -1

- Ans**
- ☐ 1. LKM 12
 - ☐ 2. LMG 11
 - ☒ 3. LMG 10
 - ☐ 4. LMM 14

Q.15 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(28, 336, 4)
(19, 285, 5)

- Ans**
- ☐ 1. (17, 265, 5)
 - ☐ 2. (21, 341, 7)
 - ☒ 3. (23, 414, 6)
 - ☐ 4. (24, 298, 4)

Q.16 In a row of 111 persons facing north, Mukesh is 19th from the left end. What is his position from the right end?

- Ans**
- ☐ 1. 91
 - ☒ 2. 93
 - ☐ 3. 94
 - ☐ 4. 92

Q.17 A, B, C, D, Q, R and S are sitting around a circular table, facing the centre of the table. Only two people sit between A and R, when counted from the right of A. Only two people sit between R and D. Only three people sit between A and B. C sits to the immediate left of Q. Who sits third to the left of S?

- Ans**
- ☐ 1. D
 - ☒ 2. Q
 - ☐ 3. C
 - ☐ 4. A



Q.18 Seven boxes F, G, H, I, K, L and O are kept one over the other but not necessarily in the same order.
Only two boxes are kept between O and K. Only G is kept above L. No box is kept below K. F is kept at some place below H but at some place above I.
Which box is kept third above I?

- Ans**
- ☒ 1. H
 - ☐ 2. F
 - ☐ 3. K
 - ☐ 4. O

Q.19 1 is subtracted from each even digit of the number 95423671. Find the number of digits that are repeated more than once in the new number formed.

- Ans**
- ☐ 1. None
 - ☐ 2. One
 - ☐ 3. Two
 - ☒ 4. Three

Q.20 If 'I' stands for '+', 'J' stands for '×', 'K' stands for '÷' and 'L' stands for '−', then what will come in place of the question mark (?) in the following equation?

$$29 \text{ I } (23 \text{ J } 5) \text{ L } 23 \text{ J } 10 \text{ I } (420 \text{ K } 4) \text{ I } 89 = ?$$

- Ans**
- ☐ 1. 92
 - ☐ 2. 148
 - ☒ 3. 108
 - ☐ 4. 122

Q.21 This question is based on the five, three-digit numbers given below.

(Left) 817 708 290 322 720 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, the position(s) of how many numbers will remain unchanged?

- Ans**
- ☒ 1. Two
 - ☐ 2. Four
 - ☐ 3. None
 - ☐ 4. One

Q.22 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. IMQ
 - ☐ 2. NRV
 - ☐ 3. KOS
 - ☒ 4. MOU

Q.23 Six friends P, Q, R, S, T and U are sitting in a straight line, facing north. Q is an immediate neighbour of S and T. U sits to the immediate right of R. P sits third to the left of T. Neither S nor T sit on any of the extreme ends. Who sits at the extreme left end?

- Ans**
- ☐ 1. Q
 - ☐ 2. R
 - ☐ 3. U
 - ☒ 4. P



Q.24 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SOAL - ASOL - LAOS
MUGS - GMUS - SGUM

- Ans**
- ☒ 1. ZOAL - AZOL - OALZ
 - ☒ 2. BOND - BNOD - DNOB
 - ☒ 3. RAIN - IRAN - NIAR
 - ☒ 4. WIPE - IWPE - EIPW

Q.25 This question is based on the five, three-digit numbers given below.

(Left) 427 615 253 961 743 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in ascending order, the position(s) of how many numbers will remain unchanged?

- Ans**
- ☒ 1. 2
 - ☒ 2. 0
 - ☒ 3. 1
 - ☒ 4. 3

Q.26 A is the mother of G. G is the mother of D. D is the son of H. R is the father of H. How is A related to R?

- Ans**
- ☒ 1. Wife's sister
 - ☒ 2. Son's wife's sister
 - ☒ 3. Son's wife's mother
 - ☒ 4. Wife's mother

Q.27 Satwik starts from Point A and drives 7 km towards east. He then takes a left turn, drives 4 km, turns right and drives 6 km. He then takes a right turn and drives 4 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 13 km towards west
 - ☒ 2. 13 km towards east
 - ☒ 3. 10 km towards west
 - ☒ 4. 10 km towards north

Q.28 Each of the digits in the number 4385612 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ 1. Two
 - ☒ 2. None
 - ☒ 3. One
 - ☒ 4. Three

Q.29 In a certain code language, 'YOUR' is coded as '2467' and 'OPEN' is coded as '1536'. What is the code for 'O' in that language?

- Ans**
- ☒ 1. 3
 - ☒ 2. 1
 - ☒ 3. 6
 - ☒ 4. 4



Q.30 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All games are levers.
All levers are drums.

Conclusions:

- (I) Some drums are levers.
(II) All games are drums.

- Ans**
-  1. Both conclusions (I) and (II) follow.
 -  2. Neither conclusion (I) nor (II) follows.
 -  3. Only conclusion (II) follows.
 -  4. Only conclusion (I) follows.





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	14/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 The Make in India initiative aims to boost domestic manufacturing. In which year was the 'Make in India' campaign launched?

- Ans**
- ☒ 1. 2012
 - ☒ 2. 2016
 - ☒ 3. 2018
 - ☒ 4. 2014

Q.2 Which type of ROM can be programmed only once after manufacturing?

- Ans**
- ☒ 1. EEPROM
 - ☒ 2. PROM
 - ☒ 3. Mask ROM
 - ☒ 4. EPROM

Q.3 From which site did ISRO conduct its 100th space launch?

- Ans**
- ☒ 1. Chitradurga
 - ☒ 2. Sriharikota
 - ☒ 3. Chandipur
 - ☒ 4. Hassan

Q.4 On 30 May 2025, which state declared 100% literacy under the ULLAS Nav Bharat Literacy Programme, surpassing its earlier PLFS-recorded rate?

- Ans**
- ☒ 1. Kerala
 - ☒ 2. Goa
 - ☒ 3. Himachal
 - ☒ 4. Sikkim

Q.5 Which chemical reaction produces ortho-hydroxybenzoic acid, the primary reaction product used as a raw material for medications?

- Ans**
- ☒ 1. Kolbe's reaction
 - ☒ 2. Stephen reaction
 - ☒ 3. Reimer-Tiemann reaction
 - ☒ 4. Friedel-Crafts reaction



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Q.6 Who first proposed a law in 1931 to clarify the idea of thermal equilibrium and its significance in determining temperature?

- Ans**
- ☐ 1. Hugh L. Callendar
 - ☐ 2. James P Espy
 - ☐ 3. Rudolf Clausius
 - ☒ 4. Ralph H Fowler

Q.7 An infrasound microphone enables the remote detection of aircraft wake vortices, clear air turbulence, tornadoes, and seismic events at frequencies below:

- Ans**
- ☐ 1. 30 Hz
 - ☐ 2. 10 Hz
 - ☐ 3. 5 Hz
 - ☒ 4. 20 Hz

Q.8 Which of the following is considered a major social development outcome of India's economic reforms since 1991?

- Ans**
- ☐ 1. Increase in poverty rate
 - ☐ 2. Widening of fiscal deficit
 - ☐ 3. Decrease in literacy rate
 - ☒ 4. Improvement in life expectancy

Q.9 Who was the last Viceroy of India who oversaw the partition of India before leaving?

- Ans**
- ☐ 1. Pethick Lawrence
 - ☐ 2. Lord Cripps
 - ☒ 3. Lord Mountbatten
 - ☐ 4. Lord Wavell

Q.10 Which of the following Acts provides legal status to Lok Adalats in India?

- Ans**
- ☐ 1. Indian Penal Code, 1860
 - ☐ 2. Civil Procedure Code, 1908
 - ☐ 3. Arbitration and Conciliation Act, 1996
 - ☒ 4. Legal Services Authorities Act, 1987

Q.11 On which of the following dates did Prime Minister Narendra Modi address the 78th Session of the World Health Assembly held in Geneva?

- Ans**
- ☐ 1. 12 May 2025
 - ☐ 2. 20 April 2025
 - ☐ 3. 12 April 2025
 - ☒ 4. 20 May 2025

Q.12 At the 2025 ceremony held at the European Parliament, which movie was honoured with the LUX Audience Award?

- Ans**
- ☐ 1. Emilia Pérez
 - ☐ 2. Anora
 - ☐ 3. The Brutalist
 - ☒ 4. Flow

Q.13 Which of the following Biosphere Reserves is located in Tamil Nadu?

- Ans**
- ☒ 1. Gulf of Mannar Biosphere Reserve
 - ☐ 2. Dibru-Saikhowa Biosphere Reserve
 - ☐ 3. Seshachalam Biosphere Reserve
 - ☐ 4. Sundarbans Biosphere Reserve



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Q.14 Celebrated Urdu poet and bollywood writer-director Gulzar was honoured with which of the following awards in 2025?

- Ans**
- ✔ 1. Jnanpith Award
 - ✗ 2. Padma Vibhushan
 - ✗ 3. Padma Shri
 - ✗ 4. Padma Bhushan

Q.15 The Supreme Court's doctrine of 'Basic Structure' (the Parliament CANNOT alter the basic features of the Constitution) was first established in which landmark case?

- Ans**
- ✗ 1. Shankari Prasad vs Union of India (1951)
 - ✔ 2. Kesavananda Bharati vs State of Kerala (1973)
 - ✗ 3. IC Golaknath vs State of Punjab (1967)
 - ✗ 4. Minerva Mills vs Union of India (1980)

Q.16 The 'Atmanirbhar Oil Seeds Abhiyan' launched in Budget 2025 focuses on:

- Ans**
- ✗ 1. exporting surplus oil seeds
 - ✔ 2. achieving self-sufficiency in oilseed production
 - ✗ 3. subsidising edible oil prices
 - ✗ 4. importing high-quality seeds for oil production

Q.17 The Chhatrapati Shivaji Terminus is a prime example of which of the following types of architectural style?

- Ans**
- ✗ 1. Pure Mughal
 - ✔ 2. Indo-Saracenic
 - ✗ 3. Dravidian
 - ✗ 4. Gothic alone

Q.18 At the time of colonial period, the Asaf Jahi dynasty was established in _____.

- Ans**
- ✗ 1. Punjab
 - ✔ 2. Hyderabad
 - ✗ 3. Bengal
 - ✗ 4. Mysore

Q.19 Which initiative, launched by the Indian Cyber Crime Coordination Centre (I4C) under the Ministry of Home Affairs, aims to facilitate rapid action against cybercriminals?

- Ans**
- ✗ 1. Digital India Cyber Shield
 - ✗ 2. Cyber Suraksha Abhiyan
 - ✔ 3. e-Zero FIR
 - ✗ 4. National Cyber Safety Net

Q.20 Which of the following abbreviations is correctly matched with its meaning?

- Ans**
- ✗ 1. ASCII – Automated System for Computer Input
 - ✗ 2. LAN – Large Area Network
 - ✔ 3. CD – Compact Disc
 - ✗ 4. LAN – Local Area Node

Q.21 Who was declared the Emperor of India by the revolting sepoys during the 1857 uprising?

- Ans**
- ✗ 1. Akbar II
 - ✗ 2. Shah Alam II
 - ✔ 3. Bahadur Shah II
 - ✗ 4. Aurangzeb



Q.22 The Directive Principles of State Policy aim to establish:

- Ans**
- ☒ 1. a welfare state
 - ☐ 2. a capitalist state
 - ☐ 3. a police state
 - ☐ 4. a democratic dictatorship

Q.23 Which Ministry is primarily responsible for implementing most rural development schemes in India?

- Ans**
- ☐ 1. Ministry of Social Justice and Empowerment
 - ☐ 2. Ministry of Agriculture and Farmers Welfare
 - ☐ 3. Ministry of Panchayati Raj
 - ☒ 4. Ministry of Rural Development

Q.24 What was the theme of National Technology Day celebrated in India in May 2025?

- Ans**
- ☐ 1. Towards a Self-Reliant India through Science and Technology
 - ☐ 2. Powering India through Innovation and Research
 - ☐ 3. Digital India: Empowering Through Smart Technologies
 - ☒ 4. YANTRA – Yugantar for Advancing New Technology, Research & Acceleration

Q.25 Post-independence, India adopted a planned approach to build a mixed economy. Which sector was given top priority under the First Five-Year Plan?

- Ans**
- ☒ 1. Agriculture
 - ☐ 2. Tertiary
 - ☐ 3. Defence
 - ☐ 4. Industry

Q.26 India developed its first indigenous Magnetic Resonance Imaging (MRI) machine, set to be installed at _____.

- Ans**
- ☐ 1. All Indian Institute of Medical Sciences, Nagpur
 - ☐ 2. All Indian Institute of Medical Sciences, Bhopal
 - ☐ 3. All Indian Institute of Medical Sciences, Raipur
 - ☒ 4. All Indian Institute of Medical Sciences, Delhi

Q.27 Which of the following officials toured Mauryan provinces every five years to inspect administration and submit reports on provincial governance?

- Ans**
- ☐ 1. Rajuka
 - ☒ 2. Pradeshika
 - ☐ 3. Nagarika
 - ☐ 4. Amatya

Q.28 Which of the following is an example of a tertiary activity?

- Ans**
- ☐ 1. Manufacturing
 - ☐ 2. Mining
 - ☒ 3. Teaching
 - ☐ 4. Farming

Q.29 The All India Services in India are created under which Article of the Constitution?

- Ans**
- ☐ 1. Article 320
 - ☒ 2. Article 312
 - ☐ 3. Article 206
 - ☐ 4. Article 107



Q.30 Which of the following is a multipurpose river valley project?

- Ans**
- ☒ 1. Damodar Valley Project
 - ☐ 2. Sharda Canal
 - ☐ 3. Agra Canal
 - ☐ 4. Indira Gandhi Canal

Q.31 Which of the following characteristics is true about the Northern Plains?

- Ans**
- ☐ 1. Presence of volcanic plateaus
 - ☒ 2. Densely populated due to fertile soil
 - ☐ 3. High elevation with steep slopes
 - ☐ 4. Low fertility due to rocky terrain

Q.32 Which of the following was one of the last princely states to join the Indian Union?

- Ans**
- ☐ 1. Mysore
 - ☐ 2. Jodhpur
 - ☒ 3. Hyderabad
 - ☐ 4. Travancore

Q.33 Which water bodies flank the Peninsular Plateau on the east and west?

- Ans**
- ☒ 1. Bay of Bengal and Arabian Sea
 - ☐ 2. Bay of Bengal and Indian Ocean
 - ☐ 3. Indian Ocean and Arabian Sea
 - ☐ 4. Arabian Sea and Andaman Sea

Q.34 What is the term of office for the President of India?

- Ans**
- ☒ 1. 5 years
 - ☐ 2. Until removed by Parliament
 - ☐ 3. 6 years
 - ☐ 4. 4 years

Q.35 In the realm of cinema, documentaries are characterised by:

- Ans**
- ☐ 1. focusing on fictional suspense
 - ☐ 2. fabricated storylines
 - ☒ 3. presenting real-world content for learning or leisure
 - ☐ 4. aiming to communicate about mythological characters

Q.36 Who among the following represented India in the 11th BRICS Environment Ministers Summit, 2025?

- Ans**
- ☐ 1. Bhupendra Yadav
 - ☐ 2. S Jai Shankar
 - ☒ 3. Amandeep Garg
 - ☐ 4. Amit Shah

Q.37 Which major initiative was approved by the Indian government in May 2025 to strengthen the country's defence capabilities?

- Ans**
- ☐ 1. Establishment of new army divisions along the northern border
 - ☒ 2. Acquisition of new aircraft carriers
 - ☐ 3. Development of a fifth-generation twin-engine stealth fighter jet
 - ☐ 4. Deployment of nuclear submarines in the Indian Ocean



Q.38 The Defence Ministry's planned order for 500 Invar anti-tank guided missiles—valued at ₹2,000–3,000 crore—will be placed with which defence Public Sector Unit (PSU)?

- Ans**
- ✓ 1. Bharat Dynamics Limited
 - ✗ 2. Armoured Vehicles Nigam Ltd.
 - ✗ 3. Bharat Electronics Limited
 - ✗ 4. Garden Reach Shipbuilders & Engineers Ltd.

Q.39 Which weathering process involves the peeling of rock layers due to temperature variations?

- Ans**
- ✗ 1. Frost action
 - ✓ 2. Exfoliation
 - ✗ 3. Solution
 - ✗ 4. Oxidation

Q.40 Which of the following states introduced India's first AI Anchor Ankita in a regional language in May 2025?

- Ans**
- ✗ 1. Madhya Pradesh
 - ✓ 2. Assam
 - ✗ 3. Tamil Nadu
 - ✗ 4. Kerala

Section : Mathematics

Q.1 A can lay railway track between two given stations in 20 days and B can do the same job in 12 days. With the help of C, they did the job in 2 days only. Then, C alone can do the job in

- Ans**
- ✗ 1. $4\frac{8}{11}$ days
 - ✗ 2. $11\frac{8}{11}$ days
 - ✗ 3. $9\frac{8}{11}$ days
 - ✓ 4. $2\frac{8}{11}$ days

Q.2 The value of $\sqrt{324} + \sqrt{0.0324} - \sqrt{8.41}$ is ____.

- Ans**
- ✗ 1. 10.83
 - ✗ 2. 16.61
 - ✗ 3. 6.97
 - ✓ 4. 15.28

Q.3 A customer buys two products, each product being worth ₹350, with a “buy one get one 30% off” deal. What is the total amount paid by the customer?

- Ans**
- ✓ 1. ₹595
 - ✗ 2. ₹490
 - ✗ 3. ₹560
 - ✗ 4. ₹455



Q.4 The ratio of two numbers is 5 : 6 and their HCF is 7. Find their LCM.

- Ans
- ☐ 1. 35
 - ☒ 2. 210
 - ☐ 3. 42
 - ☐ 4. 84

Q.5 X, Y and Z invested a sum in the ratio of 58 : 72 : 20, respectively. If they earned a total profit of ₹3,750 at the end of the year, what is the difference between the shares of Y and Z?

- Ans
- ☒ 1. ₹1,300
 - ☐ 2. ₹1,404
 - ☐ 3. ₹1,231
 - ☐ 4. ₹1,254

Q.6 Which of the following numbers divide 862026417?

- Ans
- ☐ 1. 6
 - ☐ 2. 5
 - ☒ 3. 7
 - ☐ 4. 11

Q.7 The value of $\frac{2}{5} + \left(\frac{1}{1 + \frac{5}{7}} \right) - \frac{2}{5}$ is

- Ans
- ☐ 1. $\frac{2}{7}$
 - ☐ 2. $\frac{10}{17}$
 - ☒ 3. $\frac{7}{12}$
 - ☐ 4. $\frac{14}{13}$

Q.8 If $\cot A + \cos A = p$, $\cot A - \cos A = q$, then what is the value of $p^2 - q^2$?

- Ans
- ☒ 1. $4\sqrt{pq}$
 - ☐ 2. $3\sqrt{pq}$
 - ☐ 3. $2\sqrt{pq}$
 - ☐ 4. $\sqrt{pq}$

Q.9 A bag is marked at ₹2,000. A shopkeeper offers two successive discounts of 10% and 5%. What is the final price the customer pays?

- Ans
- ☒ 1. ₹1,710
 - ☐ 2. ₹1,700
 - ☐ 3. ₹1,800
 - ☐ 4. ₹1,750

Q.10 Simplify $x(5x - 9) + 7(x^2 - 2) + 17$.

- Ans
- ☐ 1. $12x^2 - 9x - 3$
 - ☐ 2. $-12x^2 - 9x + 3$
 - ☒ 3. $12x^2 - 9x + 3$
 - ☐ 4. $-12x^2 - 9x - 3$



Q.11 If the radius of the base of a right circular cylinder is decreased by 27% and its height is increased by 165%, then what is the percentage increase (closest integer) in its volume?

- Ans**
- ☐ 1. 20%
 - ☐ 2. 48%
 - ☒ 3. 41%
 - ☐ 4. 36%

Q.12 Find the volume of a cylinder with radius 5 cm and height 21 cm (use $\pi = \frac{22}{7}$).

- Ans**
- ☐ 1. 1200 cm³
 - ☒ 2. 1650 cm³
 - ☐ 3. 1500 cm³
 - ☐ 4. 1320 cm³

Q.13 The sum of five numbers is 655. The average of the first two numbers is 80 and the third number is 107. Find the average of the remaining two numbers.

- Ans**
- ☐ 1. 188
 - ☐ 2. 187
 - ☐ 3. 195
 - ☒ 4. 194

Q.14 A trader claims to sell wheat at a profit of 29%, but also dishonestly uses a weight which is 30% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)

- Ans**
- ☐ 1. 79%
 - ☒ 2. 84%
 - ☐ 3. 86%
 - ☐ 4. 87%

Q.15 A bus travelling at 86 km/hr completes a journey in 7 hours. What should be its speed to cover the same distance in 14 hours?

- Ans**
- ☒ 1. 43 km/hr
 - ☐ 2. 53 km/hr
 - ☐ 3. 35 km/hr
 - ☐ 4. 42 km/hr

Q.16 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month in 6 months.

- Ans**
- ☐ 1. 38
 - ☐ 2. 18
 - ☒ 3. 216
 - ☐ 4. 36

Q.17 A number, when increased by 60%, gives 3590. The number is:

- Ans**
- ☐ 1. 1121.875
 - ☒ 2. 2243.75
 - ☐ 3. 4487.5
 - ☐ 4. 6731.25



Q.18 The difference between the lengths of two parallel sides of a trapezium is 6 cm. The perpendicular distance between them is 24 cm. If the area of the trapezium is 648 cm^2 , then what is the length of the parallel sides?

- Ans**
- ☐ 1. 28 cm, 22 cm
 - ☒ 2. 30 cm, 24 cm
 - ☐ 3. 36 cm, 30 cm
 - ☐ 4. 23 cm, 29 cm

Q.19 The average of first 172 even numbers is

- Ans**
- ☐ 1. 174
 - ☐ 2. 173.5
 - ☐ 3. 172.5
 - ☒ 4. 173

Q.20 Ashish bought some rulers at the rate of ₹180/dozen. He sold them for ₹24 each. His profit percentage is ____%.

- Ans**
- ☐ 1. 58
 - ☒ 2. 60
 - ☐ 3. 62
 - ☐ 4. 64

Q.21 Isha can do a certain piece of work in 24 days. Isha and Smriti can together do the same work in 20 days, and Isha, Smriti and Ashlesha can do the same work together in 12 days. In how many days can Isha and Ashlesha do the same work together?

- Ans**
- ☐ 1. $\frac{35}{4}$
 - ☒ 2. $\frac{40}{3}$
 - ☐ 3. $\frac{41}{3}$
 - ☐ 4. $\frac{30}{5}$

Q.22 In an election between two candidates, 80% of the registered voters cast their vote and 21% of the votes polled were found invalid. The winning candidate got 51% of the valid votes and won the election by a margin of 1817 votes. How many voters were registered?

- Ans**
- ☒ 1. 143750
 - ☐ 2. 143753
 - ☐ 3. 143751
 - ☐ 4. 143752

Q.23 ₹42,100 were divided among A, B and C such that 8 times the share of A = 3 times the share of B = 6 times the share of C. Find the share of A.

- Ans**
- ☐ 1. ₹8,278
 - ☐ 2. ₹8,360
 - ☒ 3. ₹8,420
 - ☐ 4. ₹8,538



Q.24 If the third proportional of 4 and 16 be x, then what is the value of x?

- Ans**
- ☐ 1. 62
 - ☐ 2. 67
 - ☐ 3. 66
 - ☒ 4. 64

Q.25 Daksh travels 774 km at 86 km/hr, the next 567 km at 63 km/hr and the next 135 km at 27 km/hr. What is his average speed (in km/hr, rounded off to two decimal places) for the whole journey?

- Ans**
- ☐ 1. 70.24
 - ☐ 2. 70.02
 - ☒ 3. 64.17
 - ☐ 4. 63.06

Q.26 Evaluate 74^2 .

- Ans**
- ☐ 1. 5456
 - ☐ 2. 5526
 - ☐ 3. 5486
 - ☒ 4. 5476

Q.27 If the interest earned during the 2nd year on a certain sum is ₹5,520, and the rate of interest is 20% per annum compounded annually, then the sum is:

- Ans**
- ☐ 1. ₹22,875
 - ☒ 2. ₹23,000
 - ☐ 3. ₹23,405
 - ☐ 4. ₹22,695

Q.28 The product of two positive numbers is 9245. If the first number is five times of the second number, then the sum of the two numbers is:

- Ans**
- ☐ 1. 269
 - ☐ 2. 266
 - ☒ 3. 258
 - ☐ 4. 257

Q.29 Six times the present age of P exceeds the present age of Q by 46 years. After 10 years, six times Q's age will be 18 years less than five times P's age at that time. What is the present age of Q (in years)?

- Ans**
- ☐ 1. 1
 - ☒ 2. 2
 - ☐ 3. 6
 - ☐ 4. 5

Q.30 The number 934725 is divisible by which of the following?

- Ans**
- ☐ 1. 6
 - ☒ 2. 3
 - ☐ 3. 2
 - ☐ 4. 10



Q.1 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. ZR - FN
 - ☐ 2. HO - MK
 - ☐ 3. BV - GR
 - ☐ 4. YD - DZ

Q.2 What should come in place of the question mark (?) in the given series?

657 660 665 672 681 ?

- Ans**
- ☐ 1. 690
 - ☐ 2. 691
 - ☐ 3. 693
 - ☒ 4. 692

Q.3 R is the sister of C. C is the sister of B. B is the father of A. A is the daughter of G. How is R related to G?

- Ans**
- ☐ 1. Husband's mother
 - ☐ 2. Sister
 - ☒ 3. Husband's sister
 - ☐ 4. Mother

Q.4 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All bats are stick.
All bamboo is stick.

Conclusions:

(I): Some bats are bamboo.
(II): Some sticks are bamboo.

- Ans**
- ☐ 1. Both conclusions (I) and (II) follow.
 - ☒ 2. Only conclusion (II) follows.
 - ☐ 3. Neither conclusion (I) nor (II) follows.
 - ☐ 4. Only conclusion (I) follows.

Q.5 Seven boxes F, G, H, I, K, L, and O are kept one over the other but not necessarily in the same order. O is kept immediately above F. G is kept immediately above I. Only K is kept above L. Only two boxes are kept above O. G is not kept at the third position from the bottom.
How many boxes are kept between H and K?

- Ans**
- ☐ 1. Two
 - ☐ 2. Four
 - ☐ 3. One
 - ☒ 4. Three



Q.6 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) // 9 3 * > * ? 5 6 2 \$ # 3 ^ \$ 4 + 6 < + (Right)

How many such numbers are there, each of which is immediately preceded by another number and also immediately followed by a symbol?

- Ans**
- ☒ 1. One
 - ☒ 2. None
 - ☒ 3. Four
 - ☒ 4. Two

Q.7 What should come in place of the question mark (?) in the given series?

31 58 94 139 193 ?

- Ans**
- ☒ 1. 272
 - ☒ 2. 263
 - ☒ 3. 281
 - ☒ 4. 256

Q.8 IMJI is related to GKHG in a certain way based on the English alphabetical order. In the same way, FJGF is related to DHED. To which of the given options is XBYX related, following the same logic?

- Ans**
- ☒ 1. VZVV
 - ☒ 2. VAVX
 - ☒ 3. VYVV
 - ☒ 4. VZWV

Q.9 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 5237894, what will be difference between the highest and lowest digits in the number thus formed?

- Ans**
- ☒ 1. 6
 - ☒ 2. 7
 - ☒ 3. 8
 - ☒ 4. 9

Q.10 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LTB 83, OWE 74, RZH 65, UCK 56, XFN 47, ?

- Ans**
- ☒ 1. AMQ 36
 - ☒ 2. BIQ 42
 - ☒ 3. AIO 40
 - ☒ 4. AIQ 38

Q.11 Vimal ranked 29th from the top and 24th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 54
 - ☒ 2. 52
 - ☒ 3. 53
 - ☒ 4. 51



Q.12 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

GOF : IQE
SNG : UPF

- Ans
- ☒ 1.>NNL : PQK
 - ☒ 2. QUK : SXJ
 - ☒ 3. QRQ : STR
 - ☒ 4. ELM : GNL

Q.13 What should come in place of the question mark (?) in the given series?

6 13 27 48 76 ?

- Ans
- ☒ 1. 100
 - ☒ 2. 109
 - ☒ 3. 105
 - ☒ 4. 111

Q.14 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(28, 140, 5)
(41, 533, 13)

- Ans
- ☒ 1. (44, 355, 8)
 - ☒ 2. (1, 25, 22)
 - ☒ 3. (35, 735, 21)
 - ☒ 4. (25, 103, 4)

Q.15 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All prints are banners.
All prints are flexes.

Conclusions:

(I) Some banners are flexes.
(II) All flexes are prints.

- Ans
- ☒ 1. Only conclusion (I) follows.
 - ☒ 2. Both conclusions (I) and (II) follow.
 - ☒ 3. Only conclusion (II) follows.
 - ☒ 4. Neither conclusion (I) nor (II) follows.

Q.16 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. SOK
 - ☒ 2. QKG
 - ☒ 3. EAW
 - ☒ 4. RNJ



Q.17 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. QWS
 - ☒ 2. NTP
 - ☒ 3. TZU
 - ☒ 4. KQM

Q.18 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$42 + 75 \times 3 - 11 \div 3 = ?$$

- Ans
- ☒ 1. 43
 - ☒ 2. 23
 - ☒ 3. 32
 - ☒ 4. 50

Q.19 Six friends Q, R, S, T, U and V are sitting around a circular table, facing the centre. S sits third to the right of V. V sits second to the left of Q. U sits to the immediate left of R. Who sits to the immediate right of S?

- Ans
- ☒ 1. R
 - ☒ 2. T
 - ☒ 3. U
 - ☒ 4. Q

Q.20 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SINK - ISNK - KISN
PLAY - LPAY - YLPA

- Ans
- ☒ 1. HOLD - OHLD - DOHL
 - ☒ 2. CLAY - LCAY - LAYC
 - ☒ 3. MARK - MRAK - KRAM
 - ☒ 4. DINE - IDNE - EIND

Q.21 If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$25 \text{ A } 5 \text{ D } 10 \text{ B } 3 \text{ C } 42 = ?$$

- Ans
- ☒ 1. 24
 - ☒ 2. 14
 - ☒ 3. 21
 - ☒ 4. 17

Q.22 In a certain code language, 'GLUE' is coded as '2475' and 'UNIT' is coded as '1536'. What is the code for 'U' in that language?

- Ans
- ☒ 1. 1
 - ☒ 2. 3
 - ☒ 3. 5
 - ☒ 4. 7



Q.23 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

XSW TOS PKO LGK ?

- Ans**
- ☒ 1. HCG
 - ☐ 2. HCF
 - ☐ 3. HBG
 - ☐ 4. HBF

Q.24 Town P is to the north of town Q. Town Q is to the east of town R. Town T is to the north of town P. Town S is to the east of town P. What is the position of town S with respect to town Q?

- Ans**
- ☒ 1. Northeast
 - ☐ 2. North
 - ☐ 3. Southeast
 - ☐ 4. Northwest

Q.25 This question is based on the five, three-digit numbers given below.

(Left) 731 890 923 286 378 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

In how many numbers is the sum of the 1st and 3rd digits greater than the 2nd digit?

- Ans**
- ☐ 1. Two
 - ☒ 2. Three
 - ☐ 3. One
 - ☐ 4. Four

Q.26 Younis starts from Point A and drives 17 km towards East. He then takes a left turn, drives 6 km, turns right and drives 11 km. He then takes a right turn and drives 6 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 29 km towards East
 - ☐ 2. 29 km towards West
 - ☐ 3. 26 km towards North
 - ☒ 4. 26 km towards West

Q.27 A, B, C, D, Q, R and S are sitting around a circular table facing the centre of the table. Only two people sit between Q and B when counted from the right of Q. Only three people sit between A and C when counted from the right of C. B sits to the immediate right of C. R sits to the immediate right of S. Who sits fourth to the right of D?

- Ans**
- ☐ 1. S
 - ☐ 2. C
 - ☐ 3. A
 - ☒ 4. R

Q.28 Seven boxes U, V, W, X, E, F and G are kept one over the other but not necessarily in the same order.

No box is kept above W. Only three boxes are kept between W and F. Only one box is kept between E and V. V is kept immediately above F. Only four boxes are kept between E and X. G is kept at some place above U. Which box is kept second below G?

- Ans**
- ☒ 1. F
 - ☐ 2. W
 - ☐ 3. V
 - ☐ 4. U



Q.29 In a certain code language, 'are you hungry' is written as 'mk tk jb' and 'you came early' is coded as 'cd ab mk'. How is 'you' coded in the given language?

- Ans**
- ☐ 1. jb
 - ☐ 2. tk
 - ☒ 3. mk
 - ☐ 4. jt

Q.30 If 1 is added for each odd digit and 1 is subtracted from each even digit of the number 86435621, how many digits are repeated more than once in the new number thus formed?

- Ans**
- ☐ 1. Three
 - ☐ 2. None
 - ☒ 3. One
 - ☐ 4. Two





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	18/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Who is the chief judge of the Supreme Court of India, as of May 2025?

- Ans**
- ☒ 1. DY Chandrachud
 - ☒ 2. Bhushan R Gavai
 - ☒ 3. Sharad Arvind Bobde
 - ☒ 4. NV Ramana

Q.2 Simone Biles, the winner of the 2025 Laureus World Sportswoman of the Year award, is associated with the sport of ____.

- Ans**
- ☒ 1. track and field
 - ☒ 2. tennis
 - ☒ 3. gymnastics
 - ☒ 4. swimming

Q.3 In the Great Indian Plains of India, which kind of soil is found on a large scale?

- Ans**
- ☒ 1. Laterite soil
 - ☒ 2. Black soil
 - ☒ 3. Alluvial soil
 - ☒ 4. Red soil

Q.4 Consider the following vitamins.

- 1. Vitamin A
- 2. Vitamin B6
- 3. Vitamin C
- 4. Vitamin D

Which of them is/are fat-soluble?

- Ans**
- ☒ 1. Only 1 and 2
 - ☒ 2. Only 1 and 4
 - ☒ 3. Only 1, 2 and 3
 - ☒ 4. Only 2 and 3



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Q.5 In 2025, which of the following disputes between two countries escalated due to increased military activities near the Line of Actual Control (LAC)?

- Ans**
- ☐ 1. India–Sri Lanka dispute over Katchatheevu Island
 - ☐ 2. India–China dispute in Eastern Ladakh
 - ☐ 3. India–Nepal dispute over Kalapani
 - ☒ 4. India–Pakistan dispute over Siachen

Q.6 Which of the following steps correctly describes how to move a file or folder using the Cut and Paste method?

- Ans**
- ☐ 1. Select file → Press Ctrl + C → Go to new location → Press Delete
 - ☐ 2. Select file → Right-click → Copy → Go to new location → Right-click → Paste
 - ☒ 3. Select file → Edit → Cut or Ctrl + X → Go to new location → Edit → Paste or Ctrl + V
 - ☐ 4. Open file → Click Close → Open Recycle Bin

Q.7 The governor of a province (bhukti) in the Pala and Pratihara empire was called:

- Ans**
- ☐ 1. Rashtrapati
 - ☒ 2. Uparika
 - ☐ 3. Visayapati
 - ☐ 4. Koshtapala

Q.8 Which body recommends the distribution of tax revenue between the Centre and States?

- Ans**
- ☐ 1. Comptroller and Auditor General
 - ☒ 2. Finance Commission
 - ☐ 3. Supreme Court
 - ☐ 4. NITI Aayog

Q.9 Which of the following was among the first financial institutions in India to receive an 'in principle' approval from the Reserve Bank of India (RBI) to set up a bank in the private sector?

- Ans**
- ☐ 1. IndusInd Bank Limited
 - ☐ 2. Axis Bank Limited
 - ☐ 3. Kotak Mahindra Bank Limited
 - ☒ 4. HDFC Limited

Q.10 Women play a significant role in rural livelihoods and household management. What is the minimum percentage of seats reserved for women in Panchayati Raj Institutions?

- Ans**
- ☐ 1. 43%
 - ☒ 2. 33%
 - ☐ 3. 50%
 - ☐ 4. 25%

Q.11 What is the main content of the four Vedas composed during the Early Vedic period?

- Ans**
- ☐ 1. War strategies
 - ☐ 2. Agricultural manuals
 - ☐ 3. Laws and rituals
 - ☒ 4. Prayers and hymns

Q.12 Which of the following is the official language of the state of Manipur?

- Ans**
- ☐ 1. Khasi
 - ☐ 2. Mizo
 - ☐ 3. Bodo
 - ☒ 4. Meitei



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Q.13 Which Article of the Constitution mandates the establishment of the National Commission for Scheduled Castes?

- Ans**
- ☐ 1. Article 340
 - ☒ 2. Article 338
 - ☐ 3. Article 342
 - ☐ 4. Article 335

Q.14 What is the main advantage of road transport over railways?

- Ans**
- ☒ 1. Door-to-door service
 - ☐ 2. Suitable for long distances
 - ☐ 3. Cheaper and faster than railway transport over long distances
 - ☐ 4. Environment-friendly

Q.15 Who among the following created history by scoring 9000 runs in T20 in May 2025?

- Ans**
- ☒ 1. Virat Kohli
 - ☐ 2. KL Rahul
 - ☐ 3. Rohit Sharma
 - ☐ 4. Tilak Verma

Q.16 The Faraizi Movement's no-tax campaign primarily targeted the _____.

- Ans**
- ☒ 1. Indigo planters and zamindars
 - ☐ 2. British Army
 - ☐ 3. Mughal officials
 - ☐ 4. Local tribal rulers

Q.17 Under the National Action Plan on Climate Change (NAPCC), which mission specifically promotes the development of solar energy in India?

- Ans**
- ☒ 1. National Solar Mission
 - ☐ 2. National Water Mission
 - ☐ 3. National Green Mission
 - ☐ 4. Mission on Sustainable Habitat

Q.18 Who is best known for being associated with the theory of quantum mechanics, published in 1925?

- Ans**
- ☒ 1. Werner Heisenberg
 - ☐ 2. Wolfgang Pauli
 - ☐ 3. Heinrich Rudolf Hertz
 - ☐ 4. Ernest Rutherford

Q.19 Which of the following agencies launched the 'Medical Innovations Patent Mitra' in 2025?

- Ans**
- ☐ 1. NITI Aayog
 - ☐ 2. DST
 - ☐ 3. AIIMS New Delhi
 - ☒ 4. ICMR

Q.20 What was the name of the legend who spearheaded the Munda Rebellion?

- Ans**
- ☐ 1. Nirmal Munda
 - ☐ 2. Prakash Munda
 - ☐ 3. Kariya Munda
 - ☒ 4. Birsa Munda



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Q.21 The Constitution (One Hundred and Twenty-Ninth Amendment) Bill, introduced in the Lok Sabha on 17 December 2024, seeks to empower:

Ans

- ☐ 1. the Parliament to make laws to deal with anti-national activities
- ☐ 2. the State to make any special provision for the advancement of the economically weaker section (EWS) of citizens
- ☐ 3. the President to declare different proclamations of national emergency on different grounds simultaneously
- ☒ 4. the Election Commission to conduct elections for Lok Sabha and all State Assemblies at the same time

Q.22 How many new judges were sworn-in to the Supreme Court of India on 30 May 2025?

Ans

- ☐ 1. four
- ☒ 2. three
- ☐ 3. two
- ☐ 4. six

Q.23 Where was the third Meeting of States Parties to the Treaty on the Prohibition of Nuclear Weapons (TPNW) held in 2025?

Ans

- ☐ 1. Geneva
- ☐ 2. Vienna
- ☐ 3. Brussels
- ☒ 4. New York City

Q.24 In which year were the Indian Civil Service (ICS) and Indian Police (IP) replaced by the Indian Administrative Service (IAS) and Indian Police Service (IPS), later recognised as All-India Services?

Ans

- ☒ 1. 1947
- ☐ 2. 1945
- ☐ 3. 1946
- ☐ 4. 1950

Q.25 Which of the following pigments is present in vegetables like spinach, giving it the characteristic green colour?

Ans

- ☐ 1. Anthocyanin
- ☒ 2. Chlorophyll
- ☐ 3. Xanthophyll
- ☐ 4. Lutein

Q.26 Which organisation successfully developed an indigenous nanoporous multilayered polymeric membrane for high-pressure seawater desalination in May 2025?

Ans

- ☒ 1. Defence Research & Development Organisation (DRDO)
- ☐ 2. Council of Scientific and Industrial Research (CSIR)
- ☐ 3. Indian Space Research Organisation (ISRO)
- ☐ 4. Bhabha Atomic Research Centre (BARC)

Q.27 Which Article empowers the High Courts to issue writs for the enforcement of Legal and Fundamental Rights?

Ans

- ☐ 1. Article 324
- ☐ 2. Article 124
- ☒ 3. Article 226
- ☐ 4. Article 136



Q.28 In 2025 news, Guillain-Barré Syndrome (GBS) primarily impacts which part of the human body system?

- Ans**
- ☒ 1. Peripheral nervous system
 - ☐ 2. Immune system
 - ☐ 3. Circulatory system
 - ☐ 4. Digestive system

Q.29 Which type of unemployment is most prevalent in Indian agriculture during the non-sowing season?

- Ans**
- ☐ 1. Cyclical Unemployment
 - ☒ 2. Seasonal Unemployment
 - ☐ 3. Disguised Unemployment
 - ☐ 4. Structural Unemployment

Q.30 In which of the following years was Indian Universities Act enacted to impose stiff control over Indian Universities?

- Ans**
- ☐ 1. 1886
 - ☒ 2. 1904
 - ☐ 3. 1893
 - ☐ 4. 1900

Q.31 Wildlife sanctuaries in India are primarily established for:

- Ans**
- ☐ 1. urban development
 - ☒ 2. protecting endangered species
 - ☐ 3. generating forest revenue
 - ☐ 4. promoting eco-tourism

Q.32 An economist and a renowned literary personality with a vast reader base in India and abroad, Prof. Arunoday Saha, who was honoured with Padma Shri in 2025, belongs to which Indian state?

- Ans**
- ☐ 1. West Bengal
 - ☐ 2. Odisha
 - ☒ 3. Tripura
 - ☐ 4. Mizoram

Q.33 Who among the following is regarded as the father of modern Hindi literature and theatre?

- Ans**
- ☒ 1. Bharatendu Harishchandra
 - ☐ 2. Jaishankar Prasad
 - ☐ 3. Mahavir Prasad Dwivedi
 - ☐ 4. Premchand

Q.34 Which one of the following hypotheses/theories explains the formation of the solar system from a rotating cloud of gas and dust?

- Ans**
- ☐ 1. Big Bang Theory
 - ☒ 2. Nebular Hypothesis
 - ☐ 3. Continental Drift Theory
 - ☐ 4. Plate Tectonics Theory



Q.35 Which of the following leaders co-chaired the AI Action Summit in Paris with Indian Prime Minister Narendra Modi?

- Ans**
- ☐ 1. Mark Rutte
 - ☐ 2. Joe Biden
 - ☒ 3. Emmanuel Macron
 - ☐ 4. Valdamir Putin

Q.36 The Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) provides legal assurance of wage employment in rural areas. Under MGNREGA, how many days of guaranteed wage employment per year is a rural household entitled to?

- Ans**
- ☐ 1. 150 days
 - ☐ 2. 50 days
 - ☒ 3. 100 days
 - ☐ 4. 200 days

Q.37 Which Constitutional Amendment Act restored the Parliament's power to amend Fundamental Rights?

- Ans**
- ☐ 1. 44th Amendment Act, 1978
 - ☒ 2. 24th Amendment Act, 1971
 - ☐ 3. 52nd Amendment Act, 1985
 - ☐ 4. 42nd Amendment Act, 1976

Q.38 What is the function of device drivers in an operating system?

- Ans**
- ☐ 1. To create new user accounts
 - ☒ 2. To manage communication between OS and hardware
 - ☐ 3. To install software updates
 - ☐ 4. To clean temporary files

Q.39 What significant milestone did India achieve in satellite communication (satcom) as of 21 May 2025?

- Ans**
- ☐ 1. Launched the world's first 7G satellite
 - ☒ 2. Initiated the fastest global rollout of satellite-based communication services
 - ☐ 3. Completed the construction of a national space station
 - ☐ 4. Banned all foreign satellite communication providers

Q.40 Which mountain range forms the eastern boundary of the Deccan Plateau?

- Ans**
- ☐ 1. Satpura Range
 - ☐ 2. Vindhya Range
 - ☐ 3. Western Ghats
 - ☒ 4. Eastern Ghats

Section : Mathematics

Q.1 The LCM of the numbers 6.3 and 0.07 is:

- Ans**
- ☐ 1. 0.063
 - ☐ 2. 0.63
 - ☐ 3. 63
 - ☒ 4. 6.3



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Q.2 Sapna invested ₹20,900 on simple interest, partly at 10% per annum and partly at 9% per annum. If she earns equal interests from the two investments after 8 years, then find the sum invested at 10% per annum (in ₹).

- Ans**
- ☐ 1. 9,897
 - ☐ 2. 9,902
 - ☐ 3. 9,901
 - ☒ 4. 9,900

Q.3 *By how much is 65% of 65 greater than $\frac{2}{5}$ of 55?*

- Ans**
- ☐ 1. 14.25
 - ☐ 2. 18.25
 - ☐ 3. 17.25
 - ☒ 4. 20.25

Q.4 The number 648679059 is divisible by which of the following?

- Ans**
- ☐ 1. 10
 - ☐ 2. 11
 - ☒ 3. 3
 - ☐ 4. 8

Q.5 Find the value of: $57^{-9} \div 57^4 \times 57^{-10}$

- Ans**
- ☐ 1. 57^{-33}
 - ☐ 2. 57^{-25}
 - ☒ 3. 57^{-23}
 - ☐ 4. 57^{-18}

Q.6 A balloon's radius increases to 5 times itself when the air is pumped in it. Find the ratio in the surface areas of the balloon after pumping the air to that before pumping the air.

- Ans**
- ☐ 1. 10 : 1
 - ☐ 2. 5 : 1
 - ☒ 3. 25 : 1
 - ☐ 4. 1 : 5

Q.7 If the third proportional of 60 and 30 is x, then what is the value of x?

- Ans**
- ☐ 1. 18
 - ☐ 2. 16
 - ☒ 3. 15
 - ☐ 4. 13

Q.8 The average of first 156 even numbers is

- Ans**
- ☐ 1. 158
 - ☐ 2. 156.5
 - ☐ 3. 157.5
 - ☒ 4. 157



Q.9 A shopkeeper lists the price of a fan at 25% above its cost price and offers a 16% discount on its list price. If he earns a profit of ₹64, then what is the list price (in ₹) of the fan?

- Ans**
- ☐ 1. 1,354
 - ☒ 2. 1,600
 - ☐ 3. 1,701
 - ☐ 4. 1,419

Q.10 The sum of the squares of two consecutive even natural numbers is 2452. The sum of the numbers is:

- Ans**
- ☒ 1. 70
 - ☐ 2. 54
 - ☐ 3. 46
 - ☐ 4. 52

Q.11 Given that $132^{0.14} = x$, $132^{0.26} = y$ and $x^z = y^2$, then the value of z is close to:

- Ans**
- ☐ 1. 5.03
 - ☐ 2. 4.84
 - ☐ 3. 2.37
 - ☒ 4. 3.71

Q.12 M and N start a business. M invests ₹49,000 more than N for 6 months and N invests for 7 months. M's share is ₹207 more than that of N, out of a total profit of ₹3,519. Find the capital contributed by M.

- Ans**
- ☐ 1. ₹2,05,873
 - ☐ 2. ₹2,05,777
 - ☒ 3. ₹2,05,800
 - ☐ 4. ₹2,05,705

Q.13 If $K \times \frac{\sin A - 2\sin^3 A}{2\cos^3 A - \cos A} = 1$, then the value of K is:

- Ans**
- ☒ 1. $\cot A$
 - ☐ 2. $\operatorname{cosec} A$
 - ☐ 3. $\tan A$
 - ☐ 4. 1

Q.14 A man makes a monthly payment equal to 33% of his monthly salary towards debt repayment. He spends 25% of the remaining salary and saves ₹402. His monthly salary (in ₹) is:

- Ans**
- ☐ 1. 734
 - ☐ 2. 771
 - ☐ 3. 707
 - ☒ 4. 800

Q.15 Tiger and Disha have to travel from Delhi to Kanpur in their respective cars. Tiger is driving at 100 km/hr while Disha is driving at 35 km/hr. Find the time taken by Disha to reach Kanpur if Tiger takes 14 hours.

- Ans**
- ☐ 1. 36 hours
 - ☐ 2. 47 hours
 - ☒ 3. 40 hours
 - ☐ 4. 45 hours



Q.16 A company earns a profit (in ₹) that is distributed among the company's three partners in the ratio of 13 : 3 : 9. If the difference between the smallest and the largest shares is ₹36,846, the total profit (in ₹) of the company is:

- Ans**
- ☐ 1. 92,051
 - ☐ 2. 92,110
 - ☐ 3. 92,167
 - ☒ 4. 92,115

Q.17 The number 267533 is divisible by which of the following?

- Ans**
- ☐ 1. 5
 - ☒ 2. 7
 - ☐ 3. 6
 - ☐ 4. 12

Q.18 ABCD is a quadrilateral whose sides are equal and $\angle ABC = 90^\circ$. If the opposite sides are parallel and opposite angles are equal, then ABCD is a:

- Ans**
- ☐ 1. rectangle
 - ☒ 2. square
 - ☐ 3. rhombus
 - ☐ 4. kite

Q.19 A wholesaler offers a trade discount of 15% on a product with a marked price of ₹12,000. After the trade discount, a scheme discount of 10% is applied on the reduced price. What is the final price the customer has to pay?

- Ans**
- ☐ 1. ₹9,520
 - ☐ 2. ₹8,400
 - ☒ 3. ₹9,180
 - ☐ 4. ₹8,750

Q.20 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 74 kg and 37 kg is:

- Ans**
- ☐ 1. 52.2
 - ☐ 2. 53.2
 - ☐ 3. 50.2
 - ☒ 4. 51.2

Q.21 Veer bought some pens at the rate of ₹180/dozen. He sold them for ₹22 each. His profit percentage is _____% (rounded off to two decimal places).

- Ans**
- ☒ 1. 46.67
 - ☐ 2. 44.67
 - ☐ 3. 50.67
 - ☐ 4. 48.67



Q.22 A can do a work in 16 days and B can do the same work in 22 days. If they work on it together for 2 days, then what fraction of the work is left?

Ans

- ☐ 1. $\frac{73}{88}$
- ☒ 2. $\frac{69}{88}$
- ☐ 3. $\frac{71}{88}$
- ☐ 4. $\frac{79}{88}$

Q.23 A sum of ₹625 is invested in a bank at 16% interest per annum compounded annually. On maturity, the amount payable becomes ₹841. Find the time period of the investment.

Ans

- ☐ 1. 1.5 years
- ☐ 2. 2.5 years
- ☒ 3. 2 years
- ☐ 4. 1 year

Q.24 Find the difference between a single discount of 20% and two successive discounts of 10% and 10% on a gift of ₹600.

Ans

- ☐ 1. ₹5
- ☐ 2. ₹1
- ☐ 3. ₹3
- ☒ 4. ₹6

Q.25 Pipe P can fill $\frac{4}{9}$ part of a tank in 20 hours, and pipe Q can fill $\frac{2}{9}$ part of the same tank in 30 hours.

Both P and Q were kept open for 3 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 4 hours. Pipes P, Q and R together can fill the empty tank in:

Ans

- ☐ 1. 117 hours
- ☒ 2. 135 hours
- ☐ 3. 115 hours
- ☐ 4. 147 hours

Q.26 The value of $\frac{3}{2} + \left(\frac{1}{1 + \frac{5}{8}} \right) - \frac{4}{3}$ is

Ans

- ☐ 1. $\frac{52}{79}$
- ☐ 2. $\frac{54}{85}$
- ☒ 3. $\frac{61}{78}$
- ☐ 4. $\frac{68}{71}$



Q.27 Five solid cubes, each of volume 15625 cm^3 , are joined end to end to form a cuboid. What is the lateral surface area (in cm^2) of the cuboid?

- Ans**
- ☐ 1. 7593
 - ☒ 2. 7500
 - ☐ 3. 7591
 - ☐ 4. 7280

Q.28 In covering a distance of 112 km, Salaj takes 3 hours more than Kevin. If Salaj doubles his speed, then he would take 5 hours less than Kevin. Salaj's speed is:

- Ans**
- ☐ 1. 5 km/hr
 - ☒ 2. 7 km/hr
 - ☐ 3. 10 km/hr
 - ☐ 4. 6 km/hr

Q.29 Simplify: $3\left(\left(\frac{6}{3}\right)x^2 - 22x + 14\right) - 6(x^2 + 6x - 15)$

- Ans**
- ☐ 1. $102x - 132$
 - ☒ 2. $-102x + 132$
 - ☐ 3. $-102x - 132$
 - ☐ 4. $102x + 132$

Q.30 If 3 times Mary's present age is 29 years more than 5 times Diya's present age, and 2 times Diya's present age is 9 years less than Mary's present age, then what is the difference (in years) between the ages of Mary and Diya?

- Ans**
- ☒ 1. 11
 - ☐ 2. 9
 - ☐ 3. 7
 - ☐ 4. 8

Section : General Intelligence and Reasoning

Q.1 Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

PFI : NGE
GKJ : ELF

- Ans**
- ☐ 1. EEI : CGE
 - ☒ 2. IDO : GEK
 - ☐ 3. NCH : LDE
 - ☐ 4. RNQ : PON

Q.2 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. JCH
 - ☒ 2. UNR
 - ☐ 3. NGL
 - ☐ 4. QJO



Q.3 Aditya ranked 34th from the top and 44th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 76
 - ☐ 2. 78
 - ☒ 3. 77
 - ☐ 4. 79

Q.4 What should come in place of the question mark (?) in the given series?

451 450 442 415 351 ?

- Ans**
- ☒ 1. 226
 - ☐ 2. 228
 - ☐ 3. 236
 - ☐ 4. 232

Q.5 Pratik ranked 14th from the bottom and 27th from the top in his class. How many students are there in his class?

- Ans**
- ☐ 1. 39
 - ☐ 2. 38
 - ☐ 3. 37
 - ☒ 4. 40

Q.6 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. GNJ
 - ☐ 2. DKG
 - ☒ 3. RYV
 - ☐ 4. AHD

Q.7 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
YCS KOE WAQ IMC ?

- Ans**
- ☐ 1. YUO
 - ☐ 2. YOU
 - ☒ 3. UYO
 - ☐ 4. UOY

Q.8 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some trees are chisels. Some chisels are graphs.

Conclusions (I): Some trees are graphs.

Conclusions (II): All graphs are chisels.

- Ans**
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (II) follows.
 - ☐ 4. Only conclusion (I) follows.



Q.9 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$17 \div 44 \times 4 + 6 - 4 = ?$$

- Ans ☒ 1. 4
☐ 2. 17
☐ 3. 9
☐ 4. 24

Q.10 Six passengers L, M, N, P, Q and R are sitting on a bench in a straight line. They all are facing towards the north. M is sitting immediately between L and R. Q is sitting at the extreme right end of line. M is sitting second to the left of Q. R is sitting to the immediate left of Q. P is not an immediate neighbour of L. Who is sitting to the immediate left of L?

- Ans ☒ 1. N
☐ 2. R
☐ 3. P
☐ 4. M

Q.11 A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. Only two people sit between K and J when counted from the right of K. Only three people sit between D and B when counted from the right of B. J sits to the immediate right of B. A sits to the immediate right of L. Who sits fourth to the right of C?

- Ans ☐ 1. J
☒ 2. A
☐ 3. D
☐ 4. L

Q.12 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

CORD - RCOD - DROC
KIND - NKID - DNIK

- Ans ☐ 1. TEAR - TAER - RAET
☒ 2. WANT - NWAT - TNAW
☐ 3. BEAT - EBAT - TEAB
☐ 4. SLAP - ASLP - LAPS

Q.13 This question is based on the five, three-digit numbers given below.

(Left) 218 168 879 953 622 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, which of the following will be the second digit of the fourth number from the left after the arrangement?

- Ans ☒ 1. 1
☐ 2. 8
☐ 3. 9
☐ 4. 2



Q.14 Seven boxes F, G, H, I, K, L and O are kept one over the other but not necessarily in the same order.
Only G is kept above I. Only two boxes are kept between I and O. Only L is kept below F. H is not kept immediately above O.
How many boxes are kept between K and L?

- Ans**
- ☒ 1. One
 - ☒ 2. Two
 - ☒ 3. Four
 - ☒ 4. Three

Q.15 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$4 \div 13 + 96 \times 8 - 14 = ?$$

- Ans**
- ☒ 1. 56
 - ☒ 2. 50
 - ☒ 3. 52
 - ☒ 4. 54

Q.16 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some fuses are wires.
No wire is a battery.

Conclusions:

- (I) Some fuses are batteries.
(II) Some wires are fuses.

- Ans**
- ☒ 1. Only conclusion (II) follows.
 - ☒ 2. Neither conclusion (I) nor (II) follows.
 - ☒ 3. Only conclusion (I) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.17 Each of the digits in the number 8453126 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ 1. Three
 - ☒ 2. None
 - ☒ 3. One
 - ☒ 4. Two

Q.18 If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$56 \text{ D } 23 \text{ C } 69 \text{ B } 2 \text{ D } 79 \text{ C } 36 \text{ B } 9 \text{ A } 3 = ?$$

- Ans**
- ☒ 1. 200
 - ☒ 2. 314
 - ☒ 3. 223
 - ☒ 4. 150



Q.19 What should come in place of the question mark (?) in the given series?

28 29 31 35 43 ?

- Ans**
- ☒ 1. 58
 - ☒ 2. 59
 - ☒ 3. 56
 - ☒ 4. 57

Q.20 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

541, 448
362, 269

- Ans**
- ☒ 1. 642, 546
 - ☒ 2. 564, 469
 - ☒ 3. 470, 374
 - ☒ 4. 459, 366

Q.21 Pavan starts from Point Y and drives 39 km towards the north. He then takes a right turn and drives 79 km, then turns right and drives 48 km. He then takes a right turn and drives 43 km. He takes a right turn and drives 73 km. He then turns left, drives 36 km and stops at Point Z. How far (shortest distance) and in which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 64 km towards the south
 - ☒ 2. 57 km towards the west
 - ☒ 3. 72 km towards the north
 - ☒ 4. 74 km towards the east

Q.22 Jack starts from Point A and drives 5 km towards South. He then takes a left turn, drives 7 km, turns left and drives 3 km. He then takes a left turn and drives 2 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 7 km towards South
 - ☒ 2. 7 km towards West
 - ☒ 3. 5 km towards East
 - ☒ 4. 5 km towards West

Q.23 In a certain code language, 'CAKE' is coded as '7209' and 'ACHE' is coded as '0295'. What is the code for 'H' in the given code language ?

- Ans**
- ☒ 1. 0
 - ☒ 2. 9
 - ☒ 3. 2
 - ☒ 4. 5

Q.24 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
ATE VOZ QJU LEP ?

- Ans**
- ☒ 1. GZK
 - ☒ 2. GZL
 - ☒ 3. HZK
 - ☒ 4. GYK



Q.25 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 6 & % 4 @ 8 9 \$ 5 & 1 Ω 3 # 2 * £ 7 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- Ans**
- ☒ 1. 4
 - ☒ 2. 8
 - ☒ 3. 9
 - ☒ 4. 5

Q.26 In a certain code language, 'WINE' is coded as '4512' and 'NETI' is coded as '5624'. What is the code for 'T' in the given code language?

- Ans**
- ☒ 1. 6
 - ☒ 2. 4
 - ☒ 3. 5
 - ☒ 4. 2

Q.27 EJRX is related to HLUZ in a certain way based on the English alphabetical order. In the same way, QRDF is related to TTGH. To which of the following options is ZXML related, following the same logic?

- Ans**
- ☒ 1. CPNG
 - ☒ 2. CZNP
 - ☒ 3. CZPN
 - ☒ 4. CGNH

Q.28 Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which pair DOES NOT belong to that group? (NOTE: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ 1. MI-PL
 - ☒ 2. RN-UQ
 - ☒ 3. FB-ID
 - ☒ 4. IE-LH

Q.29 S is the daughter of M. M is the wife of A. A is the father of R. R is the brother of T. How is S related to T?

- Ans**
- ☒ 1. Daughter
 - ☒ 2. Son
 - ☒ 3. Sister
 - ☒ 4. Mother

Q.30 What should come in place of the question mark (?) in the given series?

3 5 9 23 39 ?

- Ans**
- ☒ 1. 65
 - ☒ 2. 64
 - ☒ 3. 66
 - ☒ 4. 68





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सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	18/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 स्कूली शिक्षा में राज्यों और केंद्र शासित प्रदेशों के प्रदर्शन का आकलन करने के लिए प्रदर्शन ग्रेडिंग सूचकांक (PGI) 2.0 निम्नलिखित में से कौन-सा मंत्रालय जारी करता है?

- Ans ☒ 1. शिक्षा मंत्रालय
- ☒ 2. कौशल विकास एवं उद्यमिता मंत्रालय
- ☒ 3. महिला एवं बाल विकास मंत्रालय
- ☒ 4. सामाजिक न्याय एवं अधिकारिता मंत्रालय

Q.2 2025 में न्यूयॉर्क के लिंकन सेंटर में किस भारतीय जन-हितैषी ने एक सांस्कृतिक कार्यक्रम का आयोजन किया?

- Ans ☒ 1. संगीता जिंदल
- ☒ 2. नीता अंबानी
- ☒ 3. सुधा मूर्ति
- ☒ 4. किरण नादर

Q.3 भारत की जनगणना के आंकड़ों के अनुसार, 2011 में भारत का समग्र जनसंख्या घनत्व कितना था?

- Ans ☒ 1. 382 व्यक्ति/km²
- ☒ 2. 325 व्यक्ति/km²
- ☒ 3. 500 व्यक्ति/km²
- ☒ 4. 450 व्यक्ति/km²

Q.4 रासायनिक अभिक्रिया की दर को मंद करने वाले पदार्थ को किस नाम से जाना जाता है?

- Ans ☒ 1. उत्प्रेरक
- ☒ 2. अभिकारक
- ☒ 3. उत्पाद
- ☒ 4. संदमक

Q.5 अकबरनामा के निम्नलिखित में से किस खंड में अबुल फजल ने अकबर के प्रशासन, घराने, सेना, राजस्व और उसके साम्राज्य के भूगोल पर चर्चा की है?

- Ans ☒ 1. केवल पहले खंड में
- ☒ 2. दूसरे और तीसरे खंड दोनों में
- ☒ 3. केवल तीसरे खंड में
- ☒ 4. पहले और दूसरे खंड दोनों में



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Q.6 आर्थिक विकास का एक प्रमुख संकेतक क्या है, जिसने 1991 के बाद भारत में सतत सुधार दर्शाया है?

- Ans
- ☐ 1. राजकोषीय घाटा
 - ☐ 2. काला धन
 - ☒ 3. विदेशी मुद्रा भंडार
 - ☐ 4. शिशु मृत्यु दर

Q.7 निम्नलिखित में से कौन-सा, राज्य का नीति निर्देशक सिद्धांत, भारतीय संविधान के अनुच्छेद 48A के अंतर्गत वर्णित है?

- Ans
- ☐ 1. ग्राम पंचायतों का संगठन
 - ☐ 2. पोषण का स्तर बढ़ाना
 - ☐ 3. कमजोर वर्गों के लिए कानूनी सहायता
 - ☒ 4. पर्यावरण का संरक्षण और सुधार

Q.8 स्वतंत्रता से पहले भारत की राष्ट्रीय आय में किस क्षेत्र का प्रभुत्व था?

- Ans
- ☐ 1. उद्योग
 - ☒ 2. कृषि
 - ☐ 3. व्यापार और परिवहन
 - ☐ 4. बैंकिंग

Q.9 वक्फ (संशोधन) विधेयक 2025 ने वक्फ संपत्तियों के विनियमन और प्रबंधन से संबंधित मुद्दों और चुनौतियों का समाधान करने के लिए किस अधिनियम में संशोधन किया?

- Ans
- ☐ 1. मुसलमान वक्फ अधिनियम, 1923
 - ☒ 2. वक्फ अधिनियम, 1995
 - ☐ 3. मुसलमान वक्फ वैधीकरण अधिनियम, 1930
 - ☐ 4. वक्फ अधिनियम, 1954

Q.10 निम्नलिखित में से कौन-सा कानून आर्थिक रूप से कमजोर वर्गों (EWS) को शिक्षा और रोजगार में आरक्षण प्रदान करता है?

- Ans
- ☐ 1. 100^{वाँ} संविधान संशोधन
 - ☐ 2. 102^{वाँ} संविधान संशोधन
 - ☒ 3. 103^{वाँ} संविधान संशोधन
 - ☐ 4. 104^{वाँ} संविधान संशोधन

Q.11 कौन-सी रुधिर वाहिकाएं, मनुष्यों में ऑक्सीजन युक्त रुधिर को हृदय से शरीर के सभी भागों तक ले जाती हैं?

- Ans
- ☐ 1. शिरा
 - ☐ 2. तनुशिरा
 - ☐ 3. केशिका
 - ☒ 4. धमनी

Q.12 1947 से 1991 की अवधि के दौरान किस क्षेत्र में सबसे धीमी वृद्धि देखी गई थी?

- Ans
- ☐ 1. अवसंरचना क्षेत्र
 - ☐ 2. औद्योगिक क्षेत्र
 - ☒ 3. कृषि क्षेत्र
 - ☐ 4. सेवा क्षेत्र



Q.13 किसी फ़ाइल को शीघ्रता से सेव करने के लिए किस शॉर्टकट कुंजी (key) संयोजन का उपयोग किया जाता है?

- Ans
- ✓ 1. Ctrl + S
 - ✗ 2. Ctrl + F
 - ✗ 3. Ctrl + V
 - ✗ 4. Ctrl + C

Q.14 IIT-बॉम्बे और टाटा मेमोरियल सेंटर द्वारा संयुक्त रूप से विकसित किस अत्याधुनिक कैंसर उपचार को दिसंबर 2024 में चरण-1 परीक्षणों के लिए DCGI मंजूरी प्राप्त हुई?

- Ans
- ✗ 1. ऑन्कोलिटिक वायरल थेरेपी (Oncolytic viral therapy)
 - ✗ 2. CRISPR-Cas9 जीन एडिटिंग (CRISPR-Cas9 gene editing)
 - ✓ 3. CAR-T सेल थेरेपी (CAR-T cell therapy)
 - ✗ 4. siRNA नैनोथेरेपी (siRNA nanotherapy)

Q.15 निम्नलिखित में से किसका प्रकाशिक घनत्व उच्च परन्तु द्रव्यमान घनत्व कम हो सकता है?

- Ans
- ✗ 1. जल
 - ✓ 2. तारपीन
 - ✗ 3. जर्मेनियम
 - ✗ 4. कांच

Q.16 वर्ष 2025 में, विश्व प्रेस स्वतंत्रता सूचकांक में भारत का स्थान क्या था, जो पिछले वर्ष की तुलना में सुधार दर्शाता है?

- Ans
- ✗ 1. 159वां
 - ✓ 2. 151वां
 - ✗ 3. 140वां
 - ✗ 4. 165वां

Q.17 2025 में पद्म श्री (मरणोपरांत) प्राप्तकर्ता मिरियाला अप्पाराव, बुराकथा (पारंपरिक कथाकारिता) के क्षेत्र में एक अग्रणी व्यक्ति, किस भारतीय राज्य से संबंधित थे?

- Ans
- ✗ 1. केरल
 - ✓ 2. आंध्र प्रदेश
 - ✗ 3. कर्नाटक
 - ✗ 4. तमिलनाडु

Q.18 1773 के रेगुलेटिंग एक्ट में यह प्रावधान था कि कलकत्ता में, एक मुख्य न्यायाधीश और _____ के साथ, एक सर्वोच्च न्यायालय स्थापित किया जाएगा।

- Ans
- ✗ 1. छह अतिरिक्त न्यायाधीशों
 - ✗ 2. दो अतिरिक्त न्यायाधीशों
 - ✗ 3. चार अतिरिक्त न्यायाधीशों
 - ✓ 4. तीन अतिरिक्त न्यायाधीशों

Q.19 भूमध्यसागरीय क्षेत्र किस प्रकार की वनस्पति के लिए सर्वाधिक जाना जाता है?

- Ans
- ✗ 1. मैंग्रोव
 - ✗ 2. शंकुवृक्षी वन
 - ✓ 3. गुल्म और सूखारोधी वृक्ष
 - ✗ 4. पर्णपाती वन



Q.20 किस एयरलाइन ने वर्ष 2025 में, अपना डिजिटल इनोवेशन सेंटर लॉन्च किया?

- Ans
- ✓ 1. एयर इंडिया (Air India)
 - ✗ 2. गो फर्स्ट (Go First)
 - ✗ 3. अकासा एयर (Akasa Air)
 - ✗ 4. विस्तारा (Vistara)

Q.21 किस संविधान संशोधन ने भारत में पंचायती राज व्यवस्था को संवैधानिक दर्जा प्रदान किया था?

- Ans
- ✓ 1. 73वां संविधान संशोधन अधिनियम, 1992
 - ✗ 2. 42वां संविधान संशोधन अधिनियम, 1976
 - ✗ 3. 97वां संविधान संशोधन अधिनियम, 2011
 - ✗ 4. 74वां संविधान संशोधन अधिनियम, 1992

Q.22 2011 की जनगणना के अनुसार, भारत में शहरी आबादी का प्रतिशत कितना है?

- Ans
- ✗ 1. 36.4%
 - ✗ 2. 39.40%
 - ✓ 3. 31.2%
 - ✗ 4. 35.3%

Q.23 यूएन महासागर सम्मेलन 2025 (UN Ocean Conference 2025) किस शहर में आयोजित किया जाना निर्धारित है?

- Ans
- ✗ 1. वैक्वोर, कनाडा
 - ✓ 2. नीस, फ्रांस
 - ✗ 3. सिडनी, ऑस्ट्रेलिया
 - ✗ 4. लिस्बन, पुर्तगाल

Q.24 किस तटीय मैदान को 'हेक्साडेल्तीय क्षेत्र' या 'छह नदियों का उपहार' कहा जाता है?

- Ans
- ✗ 1. आंध्र प्रदेश का तटीय मैदान
 - ✗ 2. कर्नाटक का तटीय मैदान
 - ✓ 3. ओडिशा का तटीय मैदान
 - ✗ 4. तमिलनाडु का तटीय मैदान

Q.25 1857 के प्रथम स्वतंत्रता संग्राम के दौरान ब्रिटिश अत्याचार के विरुद्ध विद्रोहियों द्वारा निम्नलिखित में से किसे विद्रोह का नेता घोषित किया गया था?

- Ans
- ✗ 1. शाह आलम द्वितीय (Shah Alam II)
 - ✗ 2. रानी लक्ष्मीबाई (Rani Laxmibai)
 - ✓ 3. बहादुर शाह ज़फ़र (Bahadur Shah Zafar)
 - ✗ 4. नाना साहेब (Nana Saheb)

Q.26 निम्नलिखित में से कौन-सा कथन, स्वतंत्रता के समय भारत की विदेशी व्यापार संरचना का सही वर्णन करता है?

- Ans
- ✗ 1. संतुलित व्यापार
 - ✗ 2. संपूर्ण व्यापार अलगाव
 - ✗ 3. तैयार माल का उच्च निर्यात
 - ✓ 4. कच्चे माल का निर्यात और निर्मित माल का आयात

Q.27 28 मार्च से 2 अप्रैल 2025 तक बंगाल की खाड़ी और चेन्नई में भारत और रूस के बीच आयोजित द्विपक्षीय नौसैनिक अभ्यास का नाम क्या था?

- Ans
- ✗ 1. वरुण (VARUNA)
 - ✗ 2. शक्ति (SHAKTI)
 - ✗ 3. ब्रह्मा (BRAHMA)
 - ✓ 4. इंद्र (INDRA)



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Q.28 श्री अरबिंदो निम्नलिखित में से किस वर्ष बड़ौदा में अपने पद से इस्तीफा देकर कलकत्ता चले गए और वहां शीघ्र ही वे राष्ट्रवादी आंदोलन के एक प्रमुख नेता बन गए?

- Ans
- ✓ 1. 1906
 - ✗ 2. 1916
 - ✗ 3. 1914
 - ✗ 4. 1910

Q.29 निम्नलिखित में से कौन-सा, द्रविड़ मंदिरों की एक सामान्य विशेषता है?

- Ans
- ✗ 1. स्तंभ रहित हॉल
 - ✗ 2. शिखर
 - ✗ 3. सपाट छत
 - ✓ 4. गोपुरम

Q.30 भारत (POK को छोड़कर) में निम्नलिखित में से किस भारतीय राज्य में उच्चतम उच्चता-बिंदु (elevation point) है?

- Ans
- ✗ 1. हिमाचल प्रदेश
 - ✓ 2. सिक्किम
 - ✗ 3. उत्तराखंड
 - ✗ 4. अरुणाचल प्रदेश

Q.31 कौन-सा भारतीय संगठन भारतीय कला और विरासत को प्रदर्शित करने के लिए सितंबर 2025 में न्यूयॉर्क के लिंकन सेंटर में तीन दिवसीय सांस्कृतिक कार्यक्रम का आयोजन कर रहा है?

- Ans
- ✗ 1. भारतीय सांस्कृतिक संबंध परिषद (Indian Council for Cultural Relations)
 - ✗ 2. राष्ट्रीय नाट्य विद्यालय (National School of Drama)
 - ✗ 3. संगीत नाटक अकादमी (Sangeet Natak Akademi)
 - ✓ 4. नीता मुकेश अंबानी सांस्कृतिक केंद्र (Nita Mukesh Ambani Cultural Centre)

Q.32 सुनामी का सबसे सामान्य कारण क्या है?

- Ans
- ✗ 1. अत्यधिक वर्षा एवं आप्लावन
 - ✓ 2. अधोसमुद्री भूकंप
 - ✗ 3. केवल ज्वालामुखी उद्गार
 - ✗ 4. चक्रवात और उच्च ज्वार

Q.33 ट्यूरिन, इटली में आयोजित 2025 विशेष ओलंपिक विश्व शीतकालीन खेलों में भारत द्वारा जीते गए पदकों की कुल संख्या कितनी थी?

- Ans
- ✓ 1. 33
 - ✗ 2. 36
 - ✗ 3. 31
 - ✗ 4. 34

Q.34 भारत ने पहली बार मतदान प्रक्रिया के माध्यम से किस अंतर्राष्ट्रीय संगठन की अध्यक्षता जीतकर एक ऐतिहासिक उपलब्धि हासिल की?

- Ans
- ✗ 1. संयुक्त राष्ट्र विकास कार्यक्रम (UNDP)
 - ✓ 2. अंतर्राष्ट्रीय प्रशासनिक विज्ञान संस्थान (IIAS)
 - ✗ 3. विश्व स्वास्थ्य संगठन (WHO)
 - ✗ 4. अंतर्राष्ट्रीय श्रम संगठन (ILO)



Q.35 2019 में निरस्त होने से पहले, जम्मू और कश्मीर को विशेष दर्जा देने वाले अनुच्छेद 370 की प्रमुख विशेषता निम्नलिखित में से कौन-सी थी?

- Ans**
- ✓ 1. संसद को जम्मू और कश्मीर के लिए संघ सूची के मामलों पर कानून बनाने के लिए राज्य सरकार की सहमति की आवश्यकता होती थी।
 - ✗ 2. राज्य के नीति निर्देशक सिद्धांतों के प्रावधान राज्य में पूरी तरह से लागू थे।
 - ✗ 3. जम्मू और कश्मीर का लोकसभा में कोई प्रतिनिधित्व नहीं था।
 - ✗ 4. जम्मू और कश्मीर को संविधान की पहली अनुसूची में शामिल नहीं किया जा सकता था।

Q.36 संघ लोक सेवा आयोग (UPSC) के सदस्य का कार्यकाल कितना होता है?

- Ans**
- ✗ 1. 5 वर्ष या 65 वर्ष की आयु प्राप्त करने तक
 - ✗ 2. कोई निश्चित कार्यकाल नहीं
 - ✗ 3. 4 वर्ष या 60 वर्ष की आयु प्राप्त करने तक
 - ✓ 4. 6 वर्ष या 65 वर्ष की आयु प्राप्त करने तक

Q.37 भारतीय मसाला अनुसंधान संस्थान (IISR), कोड़िकोड ने हल्के रंग की हल्दी की एक किस्म विकसित की है जिसका नाम _____ है।

- Ans**
- ✗ 1. IISR पीतांबर
 - ✗ 2. IISR सोना
 - ✗ 3. IISR सूरज
 - ✓ 4. IISR सूर्या

Q.38 निम्नलिखित में से कौन-सा स्टेप, फ़ाइल मेनू का उपयोग करके किसी फ़ाइल या फ़ोल्डर का नाम बदलने (rename करने) का सही वर्णन करता है?

- Ans**
- ✓ 1. फाइल/फोल्डर सलेक्ट करें → File क्लिक करें → Rename करें → नया नाम टाइप करें → Enter दबाएं
 - ✗ 2. फोल्डर पर Right-click करें → Copy सलेक्ट करें → Rename करें
 - ✗ 3. फोल्डर सलेक्ट करें → Delete दबाएं → नया नाम टाइप करें
 - ✗ 4. फोल्डर ओपन करें → View क्लिक करें → Rename करें → नया नाम टाइप करें

Q.39 फड़ चित्रकला (Phad painting) की लोकप्रिय लोक कला, पारंपरिक रूप से निम्नलिखित में से किस भारतीय राज्य से संबद्ध है?

- Ans**
- ✗ 1. मध्य प्रदेश
 - ✗ 2. महाराष्ट्र
 - ✗ 3. गुजरात
 - ✓ 4. राजस्थान

Q.40 निम्नलिखित में से किसने 13वीं शताब्दी में मृग-पासी-शास्त्र का संकलन किया, जिसमें शिकार के पशुओं और पक्षियों का विवरण दिया गया था?

- Ans**
- ✗ 1. अकबर
 - ✗ 2. जहाँगीर
 - ✓ 3. हंसदेव
 - ✗ 4. मंसूर

Section : Mathematics

Q.1 संख्या 476643 निम्नलिखित में से किससे विभाज्य है?

- Ans**
- ✓ 1. 3
 - ✗ 2. 2
 - ✗ 3. 4
 - ✗ 4. 8



Q.2 मैंने ₹1,200 में दो शर्ट खरीदीं। मैंने पहली शर्ट 7% की हानि पर और दूसरी शर्ट 28% के लाभ पर बेची। यदि कुल मिलाकर मुझे न तो हानि हुई और न ही लाभ हुआ, तो पहली शर्ट का क्रय मूल्य (₹ में) ज्ञात कीजिए।

- Ans
- ☒ 1. 984
 - ☒ 2. 960
 - ☒ 3. 980
 - ☒ 4. 944

Q.3 A, B और C ने क्रमशः 72 : 12 : 36 के अनुपात में धनराशि निवेश की। यदि उन्होंने वर्ष के अंत में कुल ₹3,560 का अर्जित किया, तो B और C के हिस्सों के बीच अंतर कितना है?

- Ans
- ☒ 1. ₹712
 - ☒ 2. ₹722
 - ☒ 3. ₹610
 - ☒ 4. ₹620

Q.4 प्रथम 148 विषम प्राकृत संख्याओं का औसत ज्ञात कीजिए।

- Ans
- ☒ 1. 149
 - ☒ 2. 148.5
 - ☒ 3. 147.5
 - ☒ 4. 148

Q.5 ₹37,600 की धनराशि को A, B और C के बीच इस प्रकार बांटा गया कि A का 4 गुना = B का 6 गुना = C का 7 गुना है। A का हिस्सा ज्ञात कीजिए।

- Ans
- ☒ 1. ₹16,600
 - ☒ 2. ₹17,000
 - ☒ 3. ₹17,200
 - ☒ 4. ₹16,800

Q.6 एक दुकानदार ने एक खिलौना कार का मूल्य ₹850 अंकित किया तथा उस पर 15% की छूट देकर बेच दिया, जिससे उसे 25% का लाभ प्राप्त हुआ। खिलौना कार का क्रय मूल्य ज्ञात कीजिए।

- Ans
- ☒ 1. ₹578
 - ☒ 2. ₹638
 - ☒ 3. ₹723
 - ☒ 4. ₹662

Q.7 एक त्रिभुज के आधार की लंबाई, उसकी संगत ऊँचाई से 2 cm अधिक है। यदि त्रिभुज का क्षेत्रफल 220 cm² है, तो त्रिभुज के आधार की लंबाई ज्ञात कीजिए।

- Ans
- ☒ 1. 22 cm
 - ☒ 2. 24 cm
 - ☒ 3. 26 cm
 - ☒ 4. 18 cm

Q.8 संख्या 4.9 और 0.008 का लघुत्तम समापवर्त्य (L.C.M.) ज्ञात कीजिए।

- Ans
- ☒ 1. 98
 - ☒ 2. 0.098
 - ☒ 3. 9.8
 - ☒ 4. 0.98



Q.9 निम्नलिखित को सरल कीजिए:
 $3\left(\left(\frac{7}{3}\right)x^2 - 25x + 12\right) - 7(x^2 + 8x - 16)$

- Ans
- ☐ 1. $131x - 148$
 - ☐ 2. $-131x - 148$
 - ☐ 3. $131x + 148$
 - ☒ 4. $-131x + 148$

Q.10 निम्न को सरल कीजिए:
 $\operatorname{cosec}\theta(1 - \cos\theta)(\operatorname{cosec}\theta + \cot\theta)$

- Ans
- ☐ 1. $\cos\theta$
 - ☐ 2. $\sin\theta$
 - ☐ 3. -1
 - ☒ 4. 1

Q.11 वह सबसे छोटी संख्या ज्ञात कीजिए जिसे 63130 में जोड़ने पर प्राप्त योगफल 13 से पूर्णतः विभाज्य हो जाए।

- Ans
- ☒ 1. 11
 - ☐ 2. 9
 - ☐ 3. 8
 - ☐ 4. 13

Q.12 किसी निश्चित मूलधन पर 4.5% वार्षिक ब्याज दर पर $4\frac{2}{9}$ वर्ष का साधारण ब्याज ₹8,778 है। उसी मूलधन पर 5.5% वार्षिक साधारण ब्याज दर पर $2\frac{5}{7}$ वर्ष में देय मिश्रधन ज्ञात कीजिए।

- Ans
- ☐ 1. ₹53,083
 - ☒ 2. ₹53,097
 - ☐ 3. ₹53,089
 - ☐ 4. ₹53,091

Q.13 ABCD एक समलम्ब है जिसमें $BC \parallel AD$ और $AC = CD$ है। यदि $\angle ABC = 38^\circ$ और $\angle BAC = 65^\circ$ है, तो $\angle ACD$ की माप (डिग्री में) कितनी है?

- Ans
- ☐ 1. 37
 - ☒ 2. 26
 - ☐ 3. 34
 - ☐ 4. 11

Q.14 $\sqrt{289} + \sqrt{0.0324} - \sqrt{4.41}$ का मान _____ है।

- Ans
- ☒ 1. 15.08
 - ☐ 2. 6.9
 - ☐ 3. 8.28
 - ☐ 4. 13.69

Q.15 किसी संख्या में 100% की वृद्धि करने पर 2810 प्राप्त होता है। संख्या ज्ञात कीजिए।

- Ans
- ☐ 1. 4215
 - ☒ 2. 1405
 - ☐ 3. 2810
 - ☐ 4. 702.5



Q.16 कितनी धनराशि (₹ में), 5% वार्षिक साधारण ब्याज की दर से 5 वर्षों में ₹2,280 हो जाएगी?

- Ans
- ☐ 1. ₹1,774
 - ☐ 2. ₹1,874
 - ☐ 3. ₹9,120
 - ☒ 4. ₹1,824

Q.17 एक लैपटॉप का अंकित मूल्य ₹50,000 है। एक दुकानदार त्यौहार के मौके पर 10% की छूट देता है, उसके बाद घटी हुई कीमत पर 8% की अतिरिक्त छूट देता है। लैपटॉप का अंतिम विक्रय मूल्य क्या है?

- Ans
- ☐ 1. ₹42,200
 - ☐ 2. ₹42,000
 - ☒ 3. ₹41,400
 - ☐ 4. ₹41,800

Q.18 पाइप A किसी टैंक को 13 घंटे में भर सकता है, पाइप B उसी टैंक को 26 घंटे में भर सकता है और पाइप C उसी टैंक को 17 घंटे में भर सकता है। यदि वे एक-साथ चालू कर दिए जाएं, तो उसी टैंक को भरने में उन्हें कितना समय लगेगा?

- Ans
- ☐ 1. $9\frac{57}{77}$ घंटे
 - ☐ 2. $4\frac{57}{77}$ घंटे
 - ☒ 3. $5\frac{57}{77}$ घंटे
 - ☐ 4. $8\frac{57}{77}$ घंटे

Q.19 यदि घनाभ का आयतन 440 cm^3 है और इसके आधार का क्षेत्रफल 88 cm^2 है, तो घनाभ की ऊँचाई ज्ञात कीजिए।

- Ans
- ☐ 1. 2 cm
 - ☐ 2. 44 cm
 - ☒ 3. 5 cm
 - ☐ 4. 8 cm

Q.20 किसी वस्तु को उसके वास्तविक विक्रय मूल्य के $\frac{4}{10}$ पर बेचने पर, निर्भय को 28% की हानि होती है। यदि वह इसे इसके वास्तविक विक्रय मूल्य के 82% पर बेचता है, तो लाभ प्रतिशत ज्ञात कीजिए।

- Ans
- ☐ 1. 48.8%
 - ☒ 2. 47.6%
 - ☐ 3. 49.5%
 - ☐ 4. 50.3%

Q.21 ट्रेन A, स्टेशन M से 6:35 AM पर निकलती है और उसी दिन 3:35 PM पर स्टेशन N पर पहुँचती है। ट्रेन B, स्टेशन N से 8:35 AM पर निकलती है और उसी दिन 2:35 PM पर स्टेशन M पर पहुँचती है। ट्रेन A और B के मिलने का समय ज्ञात कीजिए।

- Ans
- ☐ 1. 11:43 AM
 - ☐ 2. 11:03 AM
 - ☐ 3. 12:23 PM
 - ☒ 4. 11:23 AM



Q.22 दो धनात्मक संख्याओं का गुणनफल 1805 है। यदि पहली संख्या दूसरी संख्या की पाँच गुनी है, तो दोनों संख्याओं का योग ज्ञात कीजिए।

- Ans
- ☐ 1. 127
 - ☐ 2. 126
 - ☒ 3. 114
 - ☐ 4. 107

Q.23 यदि एक पिता की आयु में उसके पुत्र की आयु का 5 गुना जोड़ा जाए, तो योग 42 वर्ष होता है। यदि पिता की आयु का 2.8 गुना, उसके पुत्र की आयु में जोड़ा जाए, तो योग 76 वर्ष होता है। पिता की आयु (वर्ष में) ज्ञात कीजिए।

- Ans
- ☒ 1. 26
 - ☐ 2. 31
 - ☐ 3. 30
 - ☐ 4. 21

Q.24 9 पुरुष किसी कार्य को 8 दिनों में पूरा कर सकते हैं, जबकि 4 महिलाएँ इसे 9 दिनों में पूरा कर सकती हैं। 2 महिलाएँ और 4 पुरुष इस कार्य को कितने दिनों में पूरा कर सकते हैं?

- Ans
- ☐ 1. 6 दिन
 - ☐ 2. 11 दिन
 - ☒ 3. 9 दिन
 - ☐ 4. 8 दिन

Q.25 रमन की आय ₹44,000 है। वह अपनी आय के 18.5% की बचत करता है। यदि उसकी आय में 17% की वृद्धि होती है और खर्च में 40% की वृद्धि होती है, तो उसकी बचत में _____ होगी।

- Ans
- ☐ 1. ₹6,862 की वृद्धि
 - ☒ 2. ₹6,864 की कमी
 - ☐ 3. ₹6,860 की कमी
 - ☐ 4. ₹6,859 की वृद्धि

Q.26 प्रेक्षणों 6, 48, 32, 3, 37 और 18 की माधिका ज्ञात कीजिए।

- Ans
- ☒ 1. 25
 - ☐ 2. 27
 - ☐ 3. 30
 - ☐ 4. 32

Q.27 दो संख्याओं का महत्तम समापवर्तक (H.C.F.) और लघुत्तम समापवर्त्य (L.C.M.) क्रमशः 4 और 2600 है। यदि इनमें से एक संख्या 104 है, तो दूसरी संख्या ज्ञात कीजिए।

- Ans
- ☐ 1. 250
 - ☐ 2. 50
 - ☐ 3. 200
 - ☒ 4. 100

Q.28 एक व्यक्ति 15 km/hr की चाल से कानपुर से लखनऊ जाता है और उसी मार्ग से 30 km/hr की चाल से कानपुर वापस आता है। संपूर्ण यात्रा में उसकी औसत चाल (km/hr में) ज्ञात कीजिए।

- Ans
- ☐ 1. 22
 - ☐ 2. 19
 - ☒ 3. 20
 - ☐ 4. 14



Q.29 यदि 28 और 70 का तृतीयानुपाती x हो, तो x का मान ज्ञात कीजिए।

- Ans
- ☐ 1. 174
 - ☒ 2. 175
 - ☐ 3. 173
 - ☐ 4. 172

Q.30 $55^{-6} \div 55^5 \times 55^{-8}$ का मान ज्ञात कीजिए।

- Ans
- ☐ 1. 55^{-20}
 - ☒ 2. 55^{-19}
 - ☐ 3. 55^{-13}
 - ☐ 4. 55^{-17}

Section : General Intelligence and Reasoning

Q.1 दी गई श्रृंखला में प्रश्न-चिह्न (?) के स्थान पर क्या आना चाहिए?

12 13 15 19 27 ?

- Ans
- ☒ 1. 43
 - ☐ 2. 44
 - ☐ 3. 45
 - ☐ 4. 48

Q.2 एक निश्चित कूट भाषा में, 'BALD' को '6184' तथा 'LAMB' को '4136' के रूप में कूटबद्ध किया जाता है। दी गई कूट भाषा में 'M' के लिए कूट क्या है?

- Ans
- ☒ 1. 3
 - ☐ 2. 1
 - ☐ 3. 6
 - ☐ 4. 4

Q.3 H, I, J, P, Q, R और S एक गोल मेज के परितः केंद्र की ओर अभिमुख होकर बैठे हैं। P, Q के बाएं तीसरे स्थान पर बैठा है। R, S के बाएं दूसरे स्थान पर बैठा है। और R दोनों का निकटतम पड़ोसी Q है। H, P का निकटतम पड़ोसी नहीं है। J के दाएं से गिनने पर J और R के बीच कितने व्यक्ति बैठे हैं?

- Ans
- ☐ 1. एक
 - ☒ 2. दो
 - ☐ 3. तीन
 - ☐ 4. चार

Q.4 संख्या 8234619 के प्रत्येक अंक को बाएं से दाएं आरोही क्रम में व्यवस्थित किया जाता है। मूल संख्या की तुलना में कितने अंकों की स्थिति अपरिवर्तित रहेगी?

- Ans
- ☐ 1. छह
 - ☒ 2. पांच
 - ☐ 3. तीन
 - ☐ 4. चार

Q.5 यदि '+' और '-' को परस्पर बदल दिया जाए तथा '×' और '÷' को परस्पर बदल दिया जाए, तो निम्नलिखित समीकरण में प्रश्न-चिह्न (?) के स्थान पर क्या आएगा?
 $45 + 5 \div 5 \times 6 - 3 + 24 \times 9 \div 3 \times 2 = ?$

- Ans
- ☐ 1. 198
 - ☐ 2. 260
 - ☒ 3. 276
 - ☐ 4. 246



Q.6 उस युग्म का चयन कीजिए जो नीचे दिए गए दो युग्मों के समान पैटर्न का अनुसरण करता है। दोनों युग्म समान पैटर्न का अनुसरण करते हैं।

PGS : LBO
HWK : DRG

- Ans
- ☒ 1. LHC : PEG
 - ☒ 2. QFM : VKP
 - ☒ 3. CAL : GVP
 - ☒ 4. XQA : TLW

Q.7 निम्नलिखित में से कौन-सा अक्षर-संख्या समूह दी गई श्रृंखला में प्रश्न-चिह्न (?) के स्थान पर रखे जाने से श्रृंखला तार्किक रूप से पूर्ण हो जाएगी?

IVP 16 HQM 5 GLJ -6 ? EBD -28

- Ans
- ☒ 1. HJI 21
 - ☒ 2. GHI -30
 - ☒ 3. FGG -17
 - ☒ 4. BHJ 19

Q.8 दिए गए कथनों और निष्कर्षों का ध्यानपूर्वक अध्ययन कीजिए। यह मानते हुए कि कथनों में दी गई जानकारी सत्य है, भले ही वह सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होती हो, तब कीजिए कि दिए गए निष्कर्षों में से कौन-से निष्कर्ष, कथनों का तार्किक रूप से अनुसरण करते हैं।

कथन: सभी खेल, लूडो हैं। सभी लूडो, ड्रम हैं।

निष्कर्ष (I): कुछ ड्रम, लूडो हैं।

निष्कर्ष (II): सभी खेल, ड्रम हैं।

- Ans
- ☒ 1. केवल निष्कर्ष (II) अनुसरण करता है।
 - ☒ 2. निष्कर्ष (I) और (II) दोनों अनुसरण करते हैं।
 - ☒ 3. केवल निष्कर्ष (I) अनुसरण करता है।
 - ☒ 4. न तो निष्कर्ष (I) और न ही (II) अनुसरण करता है।

Q.9 यदि + का अर्थ -, - का अर्थ ×, × का अर्थ ÷ और ÷ का अर्थ + है, तो निम्नलिखित समीकरण में प्रश्न-चिह्न (?) के स्थान पर क्या आएगा?

$$26 + 14 - 2 \div 56 \times 7 = ?$$

- Ans
- ☒ 1. 6
 - ☒ 2. 21
 - ☒ 3. 10
 - ☒ 4. 14

Q.10 अंग्रेजी वर्णमाला क्रम पर आधारित, निम्नलिखित चार अक्षर-समूह युग्मों में से तीन एक निश्चित तरीके से एकसमान हैं और इस प्रकार वे एक ग्रुप बनाते हैं। कौन-सा अक्षर-समूह युग्म उस ग्रुप से संबंधित नहीं है? (नोट: असंगत अक्षर-समूह युग्म, व्यंजनों/स्वरों की संख्या या उनकी स्थिति पर आधारित नहीं है।)

- Ans
- ☒ 1. DH-KB
 - ☒ 2. MQ-TK
 - ☒ 3. JN-QG
 - ☒ 4. GK-NE

Q.11 मनीष ने बिंदु A से यात्रा शुरू किया और उत्तर की ओर 8 km की यात्रा की। फिर वह दाएं मुड़ा और 7 km की यात्रा की। फिर, वह दाएं मुड़ा और 5 km की यात्रा की। फिर वह दाएं मुड़कर 7 km की यात्रा की और बिंदु P पर रुक गया। बिंदु A तक पहुँचने के लिए उसे कितनी दूर (न्यूनतम दूरी) और किस दिशा में यात्रा करनी चाहिए? (सभी मोड़ केवल 90 डिग्री के मोड़ हैं।)

- Ans
- ☒ 1. 2 km, पश्चिम की ओर
 - ☒ 2. 5 km, उत्तर की ओर
 - ☒ 3. 4 km, पूर्व की ओर
 - ☒ 4. 3 km, दक्षिण की ओर



Q.12 निम्नलिखित संख्या और प्रतीक श्रृंखला का संदर्भ लें और नीचे दिए गए प्रश्न का उत्तर दें। गणना केवल बाएं से दाएं की जानी चाहिए।

(नोट: सभी संख्याएं केवल एकल अंकीय संख्याएं हैं)

(बाएं) $5^{\wedge} * \# 0 2 4 @ \% 9 \$ \% 3 > @ 7 \& *$ (दाएं)

यदि श्रृंखला से सभी संख्याएँ हटा दी जाएँ, तो निम्नलिखित में से कौन-सा, बायीं ओर से छठा होगा?

- Ans
- ☒ 1. #
 - ☒ 2. @
 - ☒ 3. %
 - ☒ 4. \$

Q.13 अंग्रेजी वर्णमाला क्रम के आधार पर, निम्नलिखित चार अक्षर-समूहों में से तीन एक निश्चित तरीके से एकसमान हैं और इस प्रकार वे एक ग्रुप बनाते हैं। कौन-सा अक्षर-समूह उस ग्रुप से संबंधित नहीं है? (नोट: असंगत अक्षर-समूह, उसमें व्यंजनों/स्वरों की संख्या या उनकी स्थिति पर आधारित नहीं है।)

- Ans
- ☒ 1. KFH
 - ☒ 2. NIL
 - ☒ 3. UPR
 - ☒ 4. RMO

Q.14 शिवम बिंदु X से यात्रा शुरू करता है और पूर्व दिशा में 12 km ड्राइव करता है। फिर वह बाएं मुड़ता है, 5 km ड्राइव करता है, दाएं मुड़ता है और 5 km ड्राइव करता है। फिर वह दाएं मुड़ता है और 2 km ड्राइव करता है। फिर वह दाएं मुड़ता है, 7 km ड्राइव करता है। पुनः वह बाएं मुड़ता है और 10 km ड्राइव करता है। फिर वह अंतिम बार दाएं मुड़ता है और 10 km ड्राइव करता है और बिंदु Z पर रुक जाता है। बिंदु X पर फिर से पहुंचने के लिए उसे कितनी दूर और किस दिशा में ड्राइव करना चाहिए? (जब तक अन्यथा विनिर्दिष्ट न किया गया हो, सभी मोड़ 90 डिग्री के हैं)

- Ans
- ☒ 1. 5 km दक्षिण
 - ☒ 2. 10 km उत्तर
 - ☒ 3. 7 km दक्षिण
 - ☒ 4. 7 km उत्तर

Q.15 सात बॉक्स A, B, C, D, E, F और G एक के ऊपर एक रखे गए हैं, लेकिन जरूरी नहीं कि वे इसी क्रम में रखे गए हों। केवल B को C के ऊपर रखा गया है। G और F के बीच ठीक दो बॉक्स रखे गए हैं। E को A के ठीक ऊपर रखा गया है। F के नीचे कोई बॉक्स नहीं रखा गया है। D के ऊपर कितने बॉक्स रखे गए हैं?

- Ans
- ☒ 1. तीन
 - ☒ 2. दो
 - ☒ 3. एक
 - ☒ 4. चार

Q.16 निम्नलिखित संख्या और प्रतीक श्रृंखला का संदर्भ लीजिए तथा नीचे दिए गए प्रश्न का उत्तर दीजिए। गिनती केवल बाएं से दाएं की जानी चाहिए।

(बाएँ) $2 \& * 4 6 \% @ 7 \$ \& 1 \# \Omega 3 @ 8 * \pounds 5 9$ (दाएँ)

ऐसे कितने प्रतीक हैं, जिनमें से प्रत्येक के ठीक पहले एक संख्या और ठीक बाद एक अन्य संख्या है?

- Ans
- ☒ 1. दो से अधिक
 - ☒ 2. एक भी नहीं
 - ☒ 3. एक
 - ☒ 4. दो



Q.17 सात व्यक्ति, T, U, V, W, X, Y और D, एक गोल मेज के परितः मेज के केंद्र की ओर अभिमुख होकर बैठे हैं। X के दाएं से गिनती करने पर X और U के बीच केवल दो व्यक्ति बैठे हैं। W के दाएं से गिनती करने पर Y और W के बीच केवल तीन व्यक्ति बैठे हैं। U, W के ठीक दाएं पड़ोस में बैठा है। D, T के ठीक दाएं पड़ोस में बैठा है। V के दाएं से चौथे स्थान पर कौन बैठा है?

- Ans
- ✓ 1. D
 - ✗ 2. U
 - ✗ 3. X
 - ✗ 4. T

Q.18 अंग्रेजी वर्णमाला क्रम के आधार पर, एक निश्चित तरीके से AGPV का संबंध DKSZ से है। उसी तरीके से, MWBL का संबंध PAEP से है। समान तर्क का अनुसरण करते हुए, दिए गए विकल्पों में से VIKX का संबंध किससे है?

- Ans
- ✓ 1. YMN B
 - ✗ 2. YBN M
 - ✗ 3. TBN H
 - ✗ 4. YMB N

Q.19 एक निश्चित कूट भाषा में, 'keep it fun' को 'tr cj ly' के रूप में कूटबद्ध किया गया है और 'lets have fun' को 'mg ly ev' के रूप में कूटबद्ध किया गया है। दी गई भाषा में 'fun' को कैसे कूटबद्ध किया जाएगा?

- Ans
- ✗ 1. cj
 - ✗ 2. ev
 - ✗ 3. tr
 - ✓ 4. ly

Q.20 निम्नलिखित त्रिकों में, अक्षरों का प्रत्येक समूह किसी निश्चित तर्क का अनुसरण करते हुए अगले समूह से संबंधित है। दिए गए विकल्पों में से उस विकल्प का चयन कीजिए जो समान तर्क का अनुसरण करता हो।

PACK – AKCP – KCAP
FOLD – ODLF – DLOF

- Ans
- ✗ 1. SUIT – USIT – TUIS
 - ✗ 2. BELT – EBLT – TELB
 - ✓ 3. CLAP – LPAC – PALC
 - ✗ 4. APES – AEPS – SEPA

Q.21 अंग्रेजी वर्णमाला क्रम के आधार पर, निम्नलिखित चार अक्षर-समूहों में से तीन एक निश्चित तरीके से एकसमान हैं और इस प्रकार वे एक ग्रुप बनाते हैं। कौन-सा अक्षर-समूह उस ग्रुप से संबंधित नहीं है? (नोट: असंगत अक्षर-समूह, उसमें व्यंजनों/स्वरों की संख्या या उनकी स्थिति पर आधारित नहीं है।)

- Ans
- ✗ 1. BZX
 - ✗ 2. HFD
 - ✗ 3. TRP
 - ✓ 4. YOU

Q.22 अंग्रेजी वर्णमाला क्रम के आधार पर, दी गई श्रृंखला में प्रश्न-चिह्न (?) के स्थान पर क्या आना चाहिए?

VOR TMP RKN PIL ?

- Ans
- ✗ 1. NHJ
 - ✓ 2. NGJ
 - ✗ 3. NGI
 - ✗ 4. NHI



Q.23 दिए गए विकल्पों में से उस संख्या का चयन कीजिए जो निम्नलिखित श्रृंखला में प्रश्न-चिह्न (?) के स्थान पर आएगी।
174 152 134 120 110 ?

- Ans
- ☒ 1. 90
 - ☒ 2. 94
 - ☒ 3. 104
 - ☒ 4. 100

Q.24 दी गई श्रृंखला में प्रश्न-चिह्न (?) के स्थान पर क्या आना चाहिए?

93 108 131 162 201 ?

- Ans
- ☒ 1. 235
 - ☒ 2. 241
 - ☒ 3. 228
 - ☒ 4. 248

Q.25 सात बॉक्स A, B, C, D, K, L और O एक के ऊपर एक रखे गए हैं लेकिन जरूरी नहीं कि वे इसी क्रम में रखे गए हों। B और D के बीच केवल चार बॉक्स रखे गए हैं। केवल C को B के ऊपर रखा गया है। L और O के बीच केवल दो बॉक्स रखे गए हैं। A को K के ठीक ऊपर रखा गया है। O को A के ठीक ऊपर नहीं रखा गया है।
कौन-सा बॉक्स, ऊपर से चौथा रखा गया है?

- Ans
- ☒ 1. C
 - ☒ 2. A
 - ☒ 3. D
 - ☒ 4. L

Q.26 एक निश्चित कूट भाषा में,
A + B का अर्थ है कि 'A, B का पुत्र है',
A - B का अर्थ है कि 'A, B की बहन है',
A x B का अर्थ है कि 'A, B की पत्नी है' और
A ÷ B का अर्थ है कि 'A, B का पिता है'।

यदि 'Q ÷ E + R - C x D' है, तो Q का D से क्या संबंध है?

- Ans
- ☒ 1. पुत्र
 - ☒ 2. पत्नी की बहन का पति
 - ☒ 3. बहन का पति
 - ☒ 4. पति

Q.27 नवज्योत अपनी कक्षा में नीचे से 15^{वें} स्थान पर तथा शीर्ष से 19^{वें} स्थान पर है। उसकी कक्षा में कुल कितने विद्यार्थी हैं?

- Ans
- ☒ 1. 31
 - ☒ 2. 33
 - ☒ 3. 32
 - ☒ 4. 34

Q.28 उस सेट का चयन कीजिए जिसमें संख्याएँ उसी प्रकार संबंधित हैं जिस प्रकार निम्नलिखित सेट की संख्याएँ संबंधित हैं।
(नोट: संख्याओं को उनके घटक अंकों में तोड़े बिना संक्रियाएँ पूर्ण संख्याओं पर की जानी चाहिए।
उदाहरण के लिए 13 लीजिए - 13 पर संक्रियाएँ, जैसे 13 में जोड़ना/घटाना/गुणा इत्यादि किया जा सकता है। 13 को 1 और 3 में तोड़ना तथा फिर 1 और 3 पर गणितीय संक्रियाएँ करने की अनुमति नहीं है।)
(92, 6, 552)
(98, 5, 490)

- Ans
- ☒ 1. (52, 8, 438)
 - ☒ 2. (46, 9, 405)
 - ☒ 3. (48, 6, 478)
 - ☒ 4. (84, 7, 588)



Q.29 यदि 'A' का अर्थ '+' है, 'B' का अर्थ 'x' है, 'C' का अर्थ '-' है और 'D' का अर्थ '÷' है, तो निम्नलिखित समीकरण में प्रश्न-चिह्न (?) के स्थान पर क्या आएगा?

$$44 \text{ D } 9 \text{ B } 6 \text{ C } 52 \text{ A } 4 = ?$$

- Ans
- ✓ 1. 3
 - ✗ 2. 14
 - ✗ 3. 21
 - ✗ 4. 8

Q.30 दिए गए कथनों और निष्कर्षों को ध्यानपूर्वक पढ़ें। यह मानते हुए कि कथनों में दी गई जानकारी सत्य है, भले ही वह सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होती हो, तय करें कि दिए गए निष्कर्षों में से कौन-से निष्कर्ष कथनों का तार्किक रूप से अनुसरण करते हैं।

कथन:

सभी भालू, चींटियाँ हैं।
कोई भालू, घोड़ा नहीं है।

निष्कर्ष:

- (I) कोई चींटी, घोड़ा नहीं है।
(II) कोई घोड़ा, भालू नहीं है।

- Ans
- ✓ 1. केवल निष्कर्ष (II) अनुसरण करता है।
 - ✗ 2. निष्कर्ष (I) और (II) दोनों अनुसरण करते हैं।
 - ✗ 3. केवल निष्कर्ष (I) अनुसरण करता है।
 - ✗ 4. न तो निष्कर्ष (I) और न ही (II) अनुसरण करता है।





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	18/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 How many individuals were conferred the Padma Awards in 2025?

- Ans
- ☒ 1. 120
 - ☒ 2. 150
 - ☒ 3. 113
 - ☒ 4. 139

Q.2 Which region witnessed the strongest violence and martial law enforcement during the Rowlatt Satyagraha?

- Ans
- ☒ 1. Bihar
 - ☒ 2. Bengal
 - ☒ 3. Punjab
 - ☒ 4. Gujarat

Q.3 Which of the following indicators is NOT included in the Multidimensional Poverty Index (MPI)?

- Ans
- ☒ 1. Years of Schooling
 - ☒ 2. Electricity Access
 - ☒ 3. Nutrition
 - ☒ 4. Monthly Per Capita Expenditure

Q.4 Announced in 2025, what type of engine is ISRO designing for Next Generation Launch Vehicle (NGLV)?

- Ans
- ☒ 1. LOX-Kerosene hybrid engine
 - ☒ 2. Hydrogen-fueled engine
 - ☒ 3. Cryogenic solid fuel engine
 - ☒ 4. LOX-Methane engine

Q.5 Which of the following government bodies is responsible for disaster response and management at the national level in India?

- Ans
- ☒ 1. SDRF
 - ☒ 2. IRDA
 - ☒ 3. NDMA
 - ☒ 4. NITI Aayog



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Q.6 What geographic feature primarily controls the eastern boundary of the Indian Desert?

Ans  1. Western Ghats

 2. Satpura Hills

 3. Aravalli Hills

 4. Vindhya Range

Q.7 Select the INCORRECT operating system used in computers and laptops.

Ans  1. Linux

 2. Android

 3. Windows

 4. Unix

Q.8 The Monetary Policy Committee (MPC) was established to formalise inflation targeting. How many members constitute India's MPC?

Ans  1. 6

 2. 3

 3. 5

 4. 7

Q.9 Which harmful social practice was banned in 1829 by Lord Bentinck during the British rule in India?

Ans  1. Child marriage

 2. Polygamy

 3. Dowry

 4. Sati

Q.10 Which railway safety system did India begin implementing nationwide, covering 3,500 km in 2025 at a cost of ₹1,700 crore?

Ans  1. Nationwide Railway Safety System

 2. Kavach Automatic Train Protection

 3. Namo Bharat Signalling System

 4. GPS-based Tracking System

Q.11 Which of the following ranges separates the Kashmir Valley from the rest of the Himalayan region?

Ans  1. Zaskar

 2. Pir Panjal

 3. Karakoram

 4. Ladakh

Q.12 Where was the 2025 Southeast Asia Regional Forum of Organisation for Economic Co-operation and Development (OECD) held?

Ans  1. Jakarta, Indonesia

 2. Bangkok, Thailand

 3. Manila, Philippines

 4. Kuala Lumpur, Malaysia

Q.13 Which of the following texts is considered the earliest Tamil grammar work?

Ans  1. Tolkappiyam

 2. Silappadikaram

 3. Manimekalai

 4. Kural



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Q.14 What is the name of the principle which states that each point on a wavefront acts as a source of secondary wavelets that spread in all directions and form a new wavefront?

- Ans**
- ☐ 1. Doppler's Principle
 - ☒ 2. Huygens' Principle
 - ☐ 3. Fermat's Principle
 - ☐ 4. Superposition Principle

Q.15 Which company became the first in India to develop steel pipes for hydrogen transportation?

- Ans**
- ☐ 1. Hindalco Industries
 - ☐ 2. Jindal Steel & Power
 - ☒ 3. Tata Steel
 - ☐ 4. SAIL

Q.16 Who among the following became India's first Grandmaster in chess in 1988?

- Ans**
- ☐ 1. Dibyendu Barua
 - ☒ 2. Viswanathan Anand
 - ☐ 3. R Praggnanandhaa
 - ☐ 4. Pentala Harikrishna

Q.17 Which of the following subjects is NOT under the control of the Delhi Legislative Assembly, according to the Constitution?

- Ans**
- ☒ 1. Public order
 - ☐ 2. Electricity
 - ☐ 3. Education
 - ☐ 4. Public health

Q.18 The Defence Ministry's planned order for 500 Invar anti-tank guided missiles—valued at ₹2,000–3,000 crore—will be placed with which defence Public Sector Unit (PSU)?

- Ans**
- ☒ 1. Bharat Dynamics Limited
 - ☐ 2. Garden Reach Shipbuilders & Engineers Ltd.
 - ☐ 3. Armoured Vehicles Nigam Ltd.
 - ☐ 4. Bharat Electronics Limited

Q.19 The 1962 Sino-Indian War was primarily fought over which geographical region?

- Ans**
- ☒ 1. Himalayan Border
 - ☐ 2. Indo-Gangetic Plain
 - ☐ 3. Deccan Plateau
 - ☐ 4. Brahmaputra Valley

Q.20 What is the time limit to receive information from a public authority under the RTI Act?

- Ans**
- ☐ 1. 60 days
 - ☒ 2. 30 days
 - ☐ 3. 45 days
 - ☐ 4. 15 days

Q.21 Employment patterns during 1947-1991 showed limited diversification. Which sector employed the largest share of India's workforce throughout this period?

- Ans**
- ☐ 1. Infrastructure
 - ☒ 2. Agriculture
 - ☐ 3. Secondary sector
 - ☐ 4. Services sector



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Q.22 What is the spatial resolution of the Bharat Forecasting System (BFS) launched in May 2025?

- Ans**
- ☐ 1. 10 kilometres
 - ☐ 2. 3 kilometres
 - ☐ 3. 12 kilometres
 - ☒ 4. 6 kilometres

Q.23 Where is Wadge Bank, the site of the hydrocarbon exploration project proposed in May 2025 under the Hydrocarbon Exploration and Licensing Policy (HELP) and opposed by fishermen, located?

- Ans**
- ☐ 1. An offshore reef near the Andaman Islands in the Bay of Bengal region
 - ☐ 2. A deep-sea basin around 60 km west of Mumbai in the Arabian Sea
 - ☐ 3. A coral atoll close to the Lakshadweep islands in the Indian Ocean
 - ☒ 4. A submarine plateau about 80 km off the southern coast in the Indian Ocean

Q.24 What does GUI stand for in an operating system context?

- Ans**
- ☒ 1. Graphical User Interface
 - ☐ 2. Global Utility Interface
 - ☐ 3. Graphical Unix Integration
 - ☐ 4. General User Instruction

Q.25 What is the name of the Super Expressway that links the metropolitan cities of New Delhi, Mumbai, Chennai and Kolkata?

- Ans**
- ☒ 1. Golden Quadrilateral
 - ☐ 2. North-South Corridor
 - ☐ 3. National Highway 44
 - ☐ 4. East-West Corridor

Q.26 Which of the following cities hosted the 19th Pravasi Bharatiya Divas (PBD) Convention held in January 2025?

- Ans**
- ☒ 1. Bhubaneswar
 - ☐ 2. Varanasi
 - ☐ 3. Indore
 - ☐ 4. Bengaluru

Q.27 In 2025, which Indian regulatory body launched the 'Digital India Financial Literacy Mission' to enhance awareness about digital finance and online fraud prevention?

- Ans**
- ☐ 1. Financial Stability and Development Council (FSDC)
 - ☐ 2. National Financial Reporting Authority (NFRA)
 - ☐ 3. Securities and Exchange Board of India (SEBI)
 - ☒ 4. Reserve Bank of India (RBI)

Q.28 Which Australian plateau is formed by the solidification of molten lava?

- Ans**
- ☒ 1. Kimberley Plateau
 - ☐ 2. Columbia and Snake Rivers Plateau
 - ☐ 3. Patagonian Plateau
 - ☐ 4. Malwa Plateau



Q.29 Which of the following Articles deals with the amendment procedure of the Constitution?

- Ans**
- ☐ 1. Article 370
 - ☐ 2. Article 208
 - ☐ 3. Article 300
 - ☒ 4. Article 368

Q.30 Which of the following statements is correct regarding the legislative allocation of co-operative societies in the Constitution of India?

- Ans**
- ☒ 1. It is a subject in the State List.
 - ☐ 2. It falls under the Residuary (Union) List.
 - ☐ 3. It is a subject in the Union List.
 - ☐ 4. It is a subject in the Concurrent List.

Q.31 Which Constitutional Amendment introduced the Goods and Services Tax (GST) in India?

- Ans**
- ☐ 1. Ninety-ninth Amendment Act, 2015
 - ☒ 2. One Hundred and First Amendment Act, 2016
 - ☐ 3. One Hundred and Second Amendment Act, 2018
 - ☐ 4. One Hundredth Amendment Act, 2015

Q.32 Who authored the book 'PMO: Prime Minister's Office through the Years' that was released in May 2025?

- Ans**
- ☐ 1. Jagdeep Dhankhar
 - ☐ 2. Manohar Lal Khattar
 - ☐ 3. Nayab Singh Saini
 - ☒ 4. Himanshu Roy

Q.33 Which of the following is NOT a part of urban transport infrastructure?

- Ans**
- ☒ 1. Irrigation canals
 - ☐ 2. Metro systems
 - ☐ 3. Highways
 - ☐ 4. Rail networks

Q.34 Which of the following elements is classified as a lanthanoid group element?

- Ans**
- ☐ 1. Yttrium
 - ☐ 2. Actinium
 - ☐ 3. Scandium
 - ☒ 4. Cerium

Q.35 In May 2025, which ISRO mission failed to deploy its Earth observation satellite due to a third-stage anomaly in the PSLV-C61 rocket?

- Ans**
- ☐ 1. INSAT-3DS
 - ☐ 2. RISAT-2BR2
 - ☒ 3. EOS-09
 - ☐ 4. Cartosat-3

Q.36 What is the study of heredity and variation called?

- Ans**
- ☐ 1. Evolution
 - ☐ 2. Mutation
 - ☒ 3. Genetics
 - ☐ 4. Biology



Q.37 Which country became a full member of BRICS in January 2025?

- Ans**
- ☐ 1. Nigeria
 - ☐ 2. Egypt
 - ☒ 3. Indonesia
 - ☐ 4. Argentina

Q.38 In Jain religion, the Svetarnbara canon consists of how many of Agamas?

- Ans**
- ☐ 1. 6
 - ☐ 2. 12
 - ☐ 3. 35
 - ☒ 4. 45

Q.39 The opening of which of the following canals intensified British control over India's foreign trade?

- Ans**
- ☐ 1. Conolly Canal
 - ☒ 2. Suez Canal
 - ☐ 3. Buckingham Canal
 - ☐ 4. Munak Canal

Q.40 Which of the following Jain councils was held at Vallabhi (Gujarat) in 512 CE under the chairmanship of Devardhi Kshamasramana?

- Ans**
- ☐ 1. Third
 - ☒ 2. Second
 - ☐ 3. Fourth
 - ☐ 4. First

Section : Mathematics

Q.1 Find the mean proportional between 16 and 256.

- Ans**
- ☒ 1. 64
 - ☐ 2. 63
 - ☐ 3. 66
 - ☐ 4. 65

Q.2 The marks scored by 10 students are given below.
12, 14, 14, 15, 12, 16, 12, 10, 19, 11
The mode of the given data is:

- Ans**
- ☐ 1. 15
 - ☐ 2. 19
 - ☐ 3. 14
 - ☒ 4. 12

Q.3 A cuboid has dimensions 18 m × 12 m × 9 m. What is its total surface area?

- Ans**
- ☐ 1. 998 m²
 - ☐ 2. 1062 m²
 - ☐ 3. 1128 m²
 - ☒ 4. 972 m²



Q.4

By how much is 65% of 65 greater than $\frac{3}{5}$ of 25?

- Ans
- ☐ 1. 21.25
 - ☐ 2. 24.25
 - ☒ 3. 27.25
 - ☐ 4. 25.25

Q.5

The diagonals of a rectangle PQRS meet at O. If $\angle QOR = 36^\circ$, then find $\angle OPS$.

- Ans
- ☐ 1. 144°
 - ☒ 2. 72°
 - ☐ 3. 108°
 - ☐ 4. 54°

Q.6

In an election between two candidates, 90% of the registered voters cast their vote and 18% of the votes polled were found invalid. The winning candidate got 51% of the valid votes and won the election by a margin of 1845 votes. How many voters were registered?

- Ans
- ☐ 1. 124999
 - ☐ 2. 124998
 - ☐ 3. 124997
 - ☒ 4. 125000

Q.7

Evaluate: $(-9) - (-60) \div (-6) + (-4) \times 6$

- Ans
- ☒ 1. -43
 - ☐ 2. -45
 - ☐ 3. -46
 - ☐ 4. -42

Q.8

Which of the following numbers divides 71,67,10,501?

- Ans
- ☐ 1. 16
 - ☐ 2. 19
 - ☐ 3. 20
 - ☒ 4. 13

Q.9

The value of $\frac{5}{2} + \left(\frac{1}{1 + \frac{3}{8}} \right) - \frac{3}{5}$ is

- Ans
- ☐ 1. $\frac{297}{118}$
 - ☐ 2. $\frac{290}{107}$
 - ☒ 3. $\frac{289}{110}$
 - ☐ 4. $\frac{284}{109}$



Q.10 A vertical post of a height 18 ft is broken at a certain height and its upper part, not completely separated, meets the ground at an angle of 30° . Find the height at which the post is broken.

- Ans
- ☐ 1. 4 ft
 - ☒ 2. 6 ft
 - ☐ 3. 7 ft
 - ☐ 4. 5 ft

Q.11 5 men can complete a piece of work in 16 days, while 3 women can do it in 15 days. In how many days can 9 women and 4 men complete this work?

- Ans
- ☐ 1. 1 day
 - ☒ 2. 4 days
 - ☐ 3. 2 days
 - ☐ 4. 3 days

Q.12 92 mirrors were purchased for ₹92, and 35 mirrors broke in transit. The trader sold the remaining mirrors at ₹4.40 each. Find his profit.

- Ans
- ☒ 1. ₹158.80
 - ☐ 2. ₹157.90
 - ☐ 3. ₹161.70
 - ☐ 4. ₹153.10

Q.13 An 8% discount and a 5% discount in succession is equivalent to a total discount of _____.

- Ans
- ☐ 1. 13.5%
 - ☒ 2. 12.6%
 - ☐ 3. 13.4%
 - ☐ 4. 12.5%

Q.14 The selling price of 22 books is equal to the cost price of 11 books. Find the loss or gain percentage.

- Ans
- ☐ 1. $\frac{100}{11}\%$ loss
 - ☐ 2. $\frac{100}{11}\%$ gain
 - ☐ 3. 50% gain
 - ☒ 4. 50% loss

Q.15 Pipe A can fill a tank in 12 hours, pipe B can fill the same tank in 30 hours and pipe C can fill the same tank in 18 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ☐ 1. $8\frac{25}{31}$ hours
 - ☐ 2. $15\frac{25}{31}$ hours
 - ☐ 3. $9\frac{25}{31}$ hours
 - ☒ 4. $5\frac{25}{31}$ hours



Q.16 7 years ago, the age of a father was 20 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans**
- ☒ 1. 13
 - ☐ 2. 16
 - ☐ 3. 11
 - ☐ 4. 12

Q.17 A table has a marked price of ₹8,000. A shopkeeper purchased it at two successive discounts of 20% and 25%. He sold the table for ₹8,000 after spending ₹300 on transportation. Find his profit percentage.

- Ans**
- ☐ 1. $56\frac{43}{51}\%$
 - ☐ 2. $56\frac{45}{51}\%$
 - ☒ 3. $56\frac{44}{51}\%$
 - ☐ 4. $56\frac{42}{51}\%$

Q.18 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 8 months.

- Ans**
- ☐ 1. ₹52
 - ☐ 2. ₹64
 - ☒ 3. ₹32
 - ☐ 4. ₹384

Q.19 X, Y and Z invest a sum in the ratio of 16 : 85 : 54, respectively. If they earned a total profit of ₹3,750 at the end of the year, then what is the difference between share of Y and Z?

- Ans**
- ☐ 1. ₹676
 - ☒ 2. ₹750
 - ☐ 3. ₹706
 - ☐ 4. ₹742

Q.20 Which of the following numbers divides 769501?

- Ans**
- ☐ 1. 105
 - ☐ 2. 96
 - ☐ 3. 90
 - ☒ 4. 97

Q.21 The product of two consecutive natural numbers is 870. The greater of the two numbers is:

- Ans**
- ☐ 1. 38
 - ☒ 2. 30
 - ☐ 3. 41
 - ☐ 4. 21

Q.22 The simple interest on a certain sum for $6\frac{1}{2}$ years at the rate of 6.4% per annum is ₹9,204.

What will be the amount payable on the same sum at the rate of 7.6% per annum simple interest in $6\frac{2}{3}$ years?

- Ans**
- ☐ 1. ₹33,336
 - ☒ 2. ₹33,335
 - ☐ 3. ₹33,348
 - ☐ 4. ₹33,340



Q.23 A hollow spherical shell is made of a metal of density 15 g/cm^3 . Its internal and external radii are 8 cm and 11 cm, respectively. What is the mass (in kg) of the shell ?
(Take $\pi = \frac{22}{7}$.)

- Ans
- ☐ 1. 48.48
 - ☐ 2. 52.96
 - ☒ 3. 51.48
 - ☐ 4. 52.67

Q.24 The LCM of two numbers is seven times their HCF. The difference between the HCF and LCM is 222. Find the product of the two numbers.

- Ans
- ☐ 1. 9158
 - ☐ 2. 9276
 - ☒ 3. 9583
 - ☐ 4. 9086

Q.25 The average of first 154 odd natural numbers, is:

- Ans
- ☐ 1. 153.5
 - ☒ 2. 154
 - ☐ 3. 155
 - ☐ 4. 154.5

Q.26 A bus travelling at 36 km/hr completes a journey in 5 hours. What should be its speed to cover the same distance in 10 hours?

- Ans
- ☐ 1. 17 km/hr
 - ☒ 2. 18 km/hr
 - ☐ 3. 22 km/hr
 - ☐ 4. 9 km/hr

Q.27 ₹44,200 was divided among A, B and C such that 3 times the share of A = 9 times the share of B = 4 times the share of C. Find the share of A.

- Ans
- ☐ 1. ₹21,304
 - ☒ 2. ₹21,216
 - ☐ 3. ₹21,081
 - ☐ 4. ₹21,178

Q.28 Simplify $x(3x - 6) + 5(x^2 - 4) + 19$.

- Ans
- ☒ 1. $8x^2 - 6x - 1$
 - ☐ 2. $-8x^2 - 6x - 1$
 - ☐ 3. $-8x^2 - 6x + 1$
 - ☐ 4. $8x^2 - 6x + 1$

Q.29 The value of $\sqrt{289} + \sqrt{0.0324} - \sqrt{7.29} =$

- Ans
- ☒ 1. 14.48
 - ☐ 2. 12.59
 - ☐ 3. 9.08
 - ☐ 4. 11.21



Q.30 Daksh travels 168 km at 21 km/hr, the next 100 km at 20 km/hr and the next 371 km at 53 km/hr. What is his average speed (in km/hr) for the whole journey?

- Ans**
- ☐ 1. 36.61
 - ☐ 2. 23.34
 - ☐ 3. 29.63
 - ☒ 4. 31.95

Section : General Intelligence and Reasoning

Q.1 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CSL : FPG
KGX : NDS

- Ans**
- ☐ 1. MMX : PQS
 - ☒ 2. DJF : GGA
 - ☐ 3. JKY : MMT
 - ☐ 4. NGN : QJJ

Q.2 KHIG is related to HEFD in a certain way based on the English alphabetical order. In the same way, DABZ is related to AXYW. To which of the given options is BYZX related, following the same logic?

- Ans**
- ☐ 1. YVVU
 - ☐ 2. YWVD
 - ☒ 3. YVWU
 - ☐ 4. YUVU

Q.3 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. LID
 - ☐ 2. ROK
 - ☐ 3. MJF
 - ☐ 4. FCY

Q.4 Seven boxes T, U, V, W, X, Y and D are kept one over the other but not necessarily in the same order. Only two boxes are kept below W. Only one box is kept above Y. Only one box is kept between Y and U. T is kept immediately above X. D is kept at some place below V. How many boxes are kept between V and T?

- Ans**
- ☐ 1. Two
 - ☐ 2. One
 - ☒ 3. Four
 - ☐ 4. Three

Q.5 What should come in place of the question mark (?) in the given series?

61 60 56 47 31 ?

- Ans**
- ☒ 1. 6
 - ☐ 2. 14
 - ☐ 3. 28
 - ☐ 4. 9



Q.6 In a certain code language, 'keep your goal' is coded as 'yt ru kj' and 'mind your business' is coded as 'kj gb mi'. How is 'your' coded in the given language?

- Ans**
- ☒ 1. kj
 - ☐ 2. mi
 - ☐ 3. ru
 - ☐ 4. yt

Q.7 This question is based on five, four-digit numbers given below.

(Left) 1338 2325 3627 5513 1764 (Right)

(Example: 6975 – First digit = 6, second digit = 9, third digit = 7 and fourth digit = 5)
(NOTE: All operations to be done from left to right.)

If all the digits in each number are reversed, then what will be the resultant if the second digit of the second largest number is multiplied to the second digit of the smallest number?

- Ans**
- ☐ 1. 3
 - ☒ 2. 2
 - ☐ 3. 1
 - ☐ 4. 4

Q.8 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All pencils are erasers. Some erasers are crayons.

Conclusions (I): Some pencils are crayons.

Conclusions (II): Some erasers are pencils.

- Ans**
- ☒ 1. Only conclusion (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (I) follows.
 - ☐ 4. Neither conclusion (I) nor (II) follows.

Q.9 Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

ITM : LSO
SSV : VRX

- Ans**
- ☐ 1. SUK : VTL
 - ☒ 2. TNN : WMP
 - ☐ 3. WQJ : ZRL
 - ☐ 4. FTF : ISI

Q.10 Sheghal ranked 33rd from the top and 18th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 50
 - ☐ 2. 53
 - ☐ 3. 51
 - ☐ 4. 52



Q.11 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged, and '-' and 'x' are interchanged?

$$9 + 5 \div 130 - 10 \times 22 = ?$$

- Ans
- ☐ 1. 44
 - ☐ 2. 22
 - ☐ 3. 32
 - ☒ 4. 54

Q.12 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. RKQ
 - ☐ 2. VOU
 - ☒ 3. OHM
 - ☐ 4. TMS

Q.13 Six people A, B, C, D, E and F are sitting in a straight line. All are facing towards North.
B is seated third from the extreme right end of the line.
Only two people are seated between B and E.
C is sitting second from the right of B.
F is an immediate neighbour of B and C.
A is sitting to the immediate right of D.
How many people are seated between D and F?

- Ans
- ☐ 1. Three
 - ☒ 2. Two
 - ☐ 3. Four
 - ☐ 4. One

Q.14 Refer to the following number-symbol series and answer the question that follows.
Counting is to be done from left to right only.
(Left) 5 * 8 > 4 1 4 \ 4 \$ ^ 3 ? 5 2 % / > 9 2 4 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by another number?

- Ans
- ☐ 1. Four
 - ☐ 2. Two
 - ☐ 3. One
 - ☒ 4. Three

Q.15 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All scissors are crayons.
Some crayons are erasers.

Conclusions:

(I) Some scissors are erasers.
(II) Some erasers are crayons.

- Ans
- ☐ 1. Neither conclusion (I) nor (II) follows.
 - ☒ 2. Only conclusion (I) follows.
 - ☐ 3. Only conclusion (II) follows.
 - ☐ 4. Both conclusions (I) and (II) follow.



Q.16 Six friends T, V, W, X, Y and Z are sitting around a circular table, facing the centre. V sits second to the right of Y. Y sits to the immediate left of T. X sits second to the left of W. How many people sit between Z and V when counted from the left of V?

- Ans**
- ☐ 1. One
 - ☐ 2. Two
 - ☐ 3. None
 - ☒ 4. Three

Q.17 In a certain code language, 'HALF' is coded as '2586' and 'FLAG' is coded as '7862'. What is the code for 'G' in the given code language?

- Ans**
- ☐ 1. 2
 - ☒ 2. 7
 - ☐ 3. 8
 - ☐ 4. 6

Q.18 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

78, 39
84, 42

- Ans**
- ☐ 1. 94, 48
 - ☐ 2. 52, 23
 - ☒ 3. 66, 33
 - ☐ 4. 58, 19

Q.19 If 1 is added to each odd digit and 4 is subtracted from each even digit in the number 6854376, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. None
 - ☒ 2. Two
 - ☐ 3. Three
 - ☐ 4. One

Q.20 Heerat starts from point A and walks 2 km towards east. She then takes a left turn and walks 2 km. She takes another left turn and walks 2 km. She takes a final left turn and walks 5 km to reach a point B. How far (shortest distance) and towards which direction should she walk in order to reach point A again? (All turns are 90-degree turns only unless otherwise specified.)

- Ans**
- ☐ 1. 2 km west
 - ☒ 2. 3 km north
 - ☐ 3. 2 km north
 - ☐ 4. 2 km south

Q.21 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. MP-KO
 - ☐ 2. PS-NR
 - ☐ 3. UX-SW
 - ☒ 4. RU-PS



Q.22 What should come in place of the question mark (?) in the given series?

58 60 65 73 84 ?

- Ans**
- ☒ 1. 84
 - ☒ 2. 98
 - ☒ 3. 89
 - ☒ 4. 95

Q.23 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

YPP -1 VRM -3 ? PVG -27 MXD -81

- Ans**
- ☒ 1. STJ -9
 - ☒ 2. STI -9
 - ☒ 3. SSJ -6
 - ☒ 4. SSI -6

Q.24 Suresh starts from Point A and drives 7 km towards West. He then takes a right turn, drives 3 km, turns right and drives 11 km. He then takes a right turn and drives 6 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 3 km to South
 - ☒ 2. 3 km to North
 - ☒ 3. 4 km to North
 - ☒ 4. 4 km to South

Q.25 What will come in the place of the question mark (?) in the following equation, if '÷' and '−' are interchanged and '×' and '+' are interchanged?
 $63 \times 9 \div 3 - 3 \times 24 + 22 \div 11 + 9 = ?$

- Ans**
- ☒ 1. 494
 - ☒ 2. 526
 - ☒ 3. 500
 - ☒ 4. 428

Q.26 In a certain code language,
A + B means 'A is the sister of B',
A − B means 'A is the brother of B',
A x B means 'A is the wife of B' and
A ÷ B means 'A is the father of B'.

How is F related to Y if 'F − H x L ÷ O + Y'?

- Ans**
- ☒ 1. Mother's father
 - ☒ 2. Mother's brother
 - ☒ 3. Father's father
 - ☒ 4. Father's brother

Q.27 All 129 students in a class are standing in a straight line facing north. Lalit is 33rd from the right end while Sahil is 27th from the left end. How many people stand between Lalit and Sahil?

- Ans**
- ☒ 1. 70
 - ☒ 2. 68
 - ☒ 3. 72
 - ☒ 4. 69



Q.28 If + means -, - means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$40 \times 4 + 12 \div 6 - 4 = ?$$

- Ans**
- ☒ 1. 20
 - ☒ 2. 17
 - ☒ 3. 14
 - ☒ 4. 22

Q.29 What should come in place of the question mark (?) in the given series?

391 392 396 405 421 ?

- Ans**
- ☒ 1. 441
 - ☒ 2. 431
 - ☒ 3. 436
 - ☒ 4. 446

Q.30 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HKB 11, FIZ 19, DGX 27, BEV 35, ?

- Ans**
- ☒ 1. ACR 43
 - ☒ 2. ZCT 43
 - ☒ 3. ZBR 45
 - ☒ 4. XAT 42





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	19/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which event is considered the turning point in Gandhi's political life, converting him from a moderate to a mass leader?

- Ans**
- ☒ 1. Jallianwala Bagh Massacre
 - ☒ 2. Salt Satyagraha
 - ☒ 3. Rowlatt Act protest
 - ☒ 4. Champaran Satyagraha

Q.2 In which Indian state is Rushikonda Beach, which received the Blue Flag Beach certification in 2023, located?

- Ans**
- ☒ 1. Andhra Pradesh
 - ☒ 2. Gujarat
 - ☒ 3. Tamil Nadu
 - ☒ 4. Kerala

Q.3 Which Indian sprinter won both the 100 m and 200 m titles at the Indian Open Athletics 2025?

- Ans**
- ☒ 1. Archana Suseendran
 - ☒ 2. Hima Das
 - ☒ 3. Srabani Nanda
 - ☒ 4. Dutee Chand

Q.4 Which of the following countries is located to the southeast of India?

- Ans**
- ☒ 1. China
 - ☒ 2. Bhutan
 - ☒ 3. Nepal
 - ☒ 4. Sri Lanka

Q.5 Which DRDO-developed missile is India's first indigenous air-launched anti-ship missile?

- Ans**
- ☒ 1. NASM-SR
 - ☒ 2. BrahMos
 - ☒ 3. Varunastra
 - ☒ 4. Astra



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Q.6 What was the primary objective of the 88th Constitutional Amendment Act, 2003?

- Ans**
- ☐ 1. Abolition of Privy Purses
 - ☒ 2. Provision for Service Tax
 - ☐ 3. Introduction of GST
 - ☐ 4. Formation of the NJAC

Q.7 In which year did French physicist Sadi Carnot create the Carnot engine, which uses thermodynamic principles to function as an ideal heat engine?

- Ans**
- ☐ 1. 1830
 - ☐ 2. 1820
 - ☒ 3. 1824
 - ☐ 4. 1813

Q.8 The Paris Agreement is a significant agreement aimed at keeping global warming well below Celsius.

- Ans**
- ☐ 1. 1°
 - ☐ 2. 3°
 - ☒ 3. 2°
 - ☐ 4. 4°

Q.9 Which authority is the appellate body under the RTI Act?

- Ans**
- ☐ 1. Chief Vigilance Commission
 - ☐ 2. National Human Rights Commission
 - ☐ 3. Lokpal
 - ☒ 4. Central Information Commission

Q.10 Which keyboard shortcut allows you to select multiple specific files or folders at once?

- Ans**
- ☐ 1. Tab + Click
 - ☐ 2. Alt + Click
 - ☒ 3. Ctrl + Click
 - ☐ 4. Shift + Click

Q.11 What defines land as “Culturable Wasteland” in land revenue records in India?

- Ans**
- ☐ 1. Urban infrastructure land
 - ☒ 2. Land that is fallow for over five years
 - ☐ 3. Land under tree crops
 - ☐ 4. Barren rocky land

Q.12 Which country held federal elections after the collapse of its coalition government amid economic unrest?

- Ans**
- ☐ 1. Spain
 - ☒ 2. Germany
 - ☐ 3. France
 - ☐ 4. Italy

Q.13 The drain of wealth theory was a major critique of colonial economic policies. Who propounded the ‘Drain of wealth theory’ in the late 19th century?

- Ans**
- ☒ 1. Dadabhai Naoroji
 - ☐ 2. Mahatma Gandhi
 - ☐ 3. Gopal Krishna Gokhale
 - ☐ 4. Jawaharlal Nehru



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Q.14 Which Indian institution collaborated with Inria Saclay in May 2025 to develop an AI tool aimed at combating antimicrobial resistance by identifying alternative antibiotics?

- Ans**
- ☒ 1. IISc Bangalore
 - ☒ 2. IIT-Delhi
 - ☒ 3. IIT Madras
 - ☒ 4. IIT Bombay

Q.15 What is the name of India's newly launched high-resolution, fully indigenous weather prediction platform in May 2025?

- Ans**
- ☒ 1. Bharat Forecast System
 - ☒ 2. IndraNet
 - ☒ 3. VarshaNet
 - ☒ 4. Mausam 2.0

Q.16 Which of the following architectural styles is predominantly associated with the Gateway of India in Mumbai?

- Ans**
- ☒ 1. Indo-Saracenic
 - ☒ 2. Art Deco
 - ☒ 3. Bauhaus
 - ☒ 4. Victorian Gothic

Q.17 In which landmark case did the Supreme Court of India impose a three-month deadline for the President to give assent to State Bills reserved under Article 201?

- Ans**
- ☒ 1. Minerva Mills vs. Union of India (1980)
 - ☒ 2. SR Bommai vs. Union of India (1994)
 - ☒ 3. State of Tamil Nadu vs. Governor of Tamil Nadu (2023)
 - ☒ 4. Kesavananda Bharati vs. State of Kerala (1973)

Q.18 Which Constitutional Amendment introduced a cap on the size of the State Council of Ministers?

- Ans**
- ☒ 1. 73rd Constitutional Amendment Act, 1992
 - ☒ 2. 91st Constitutional Amendment Act, 2003
 - ☒ 3. 61st Constitutional Amendment Act, 1988
 - ☒ 4. 42nd Constitutional Amendment Act, 1976

Q.19 Which irrigation method is considered most efficient for water conservation in agriculture?

- Ans**
- ☒ 1. Furrow
 - ☒ 2. Drip
 - ☒ 3. Flood
 - ☒ 4. Sprinkler

Q.20 Which site provides archaeological evidence of the earliest known urban civilisation in the Indian subcontinent with planned city structures?

- Ans**
- ☒ 1. Mehrgarh
 - ☒ 2. Harappa
 - ☒ 3. Kalibangan
 - ☒ 4. Lothal



Q.21 Which of the following is the correct longitudinal extent of the Prime Meridian?

- Ans**
- ✓ 1. 0°
 - ✗ 2. 90° E
 - ✗ 3. 180° E
 - ✗ 4. 23.5° N

Q.22 In which sport did Deepika Kumari earn her 12th individual World Cup medal at the 2025 Shanghai World Cup?

- Ans**
- ✓ 1. Archery
 - ✗ 2. Shooting
 - ✗ 3. Table Tennis
 - ✗ 4. Badminton

Q.23 Which of the following Indian English writers created the fictional town of Malgudi?

- Ans**
- ✗ 1. Raja Rao
 - ✗ 2. Mulk Raj Anand
 - ✓ 3. RK Narayan
 - ✗ 4. Khushwant Singh

Q.24 Geological Survey of India (GSI) organised a Pan-India Walkathon in March 2025 under which theme?

- Ans**
- ✓ 1. Geoscience for a Safe World
 - ✗ 2. Geoscience: Unlocking the Secrets of Climate Change
 - ✗ 3. Geoscience Innovating for Earth and People
 - ✗ 4. Geoscience Everywhere

Q.25 Which of the following is true about the second frigate of Project 1135.6 named 'Tavasya'?

- Ans**
- ✗ 1. It has a displacement of approximately 4,500 tons
 - ✗ 2. It is the first frigate of the follow-on order
 - ✗ 3. It was built in Russia and later transferred to India
 - ✓ 4. It was launched at Goa Shipyard Limited on 22 March 2025

Q.26 Which Constitutional Amendment reduced the voting age from 21 years to 18 years in India?

- Ans**
- ✓ 1. Sixty-first Amendment Act, 1988
 - ✗ 2. Fifty-second Amendment Act, 1985
 - ✗ 3. Eighty-sixth Amendment Act, 2002
 - ✗ 4. Forty-fourth Amendment Act, 1978

Q.27 Human development also involves freedom, security and dignity in life. The first Human Development Report was published in which year?

- Ans**
- ✗ 1. 1971
 - ✓ 2. 1990
 - ✗ 3. 1995
 - ✗ 4. 1980

Q.28 How can you create a new folder in Windows?

- Ans**
- ✗ 1. By opening Task Manager
 - ✓ 2. Using the right-click context menu
 - ✗ 3. By changing system date
 - ✗ 4. By restarting the computer



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Q.29 Which Indian artist made his debut at Cannes 2025 by showcasing a watercolour inspired by India's diversity?

- Ans**
- ☐ 1. Jitish Kallat
 - ☐ 2. Subodh Gupta
 - ☐ 3. Anish Kapoor
 - ☒ 4. Paresh Maity

Q.30 Which body was formed by Gandhi on 24 February 1919 to oppose the Rowlatt Act?

- Ans**
- ☐ 1. Congress Committee
 - ☐ 2. Swaraj Sabha
 - ☐ 3. Khilafat Committee
 - ☒ 4. Satyagraha Sabha

Q.31 Why are soft drink and soda water bottles sealed under high pressure in beverage industries?

- Ans**
- ☐ 1. To increase the temperature
 - ☐ 2. To prevent freezing
 - ☐ 3. To decrease the amount of sugar
 - ☒ 4. To increase the solubility of carbon dioxide

Q.32 In which of the following years was the first British East India Company founded in India?

- Ans**
- ☐ 1. 1620
 - ☒ 2. 1600
 - ☐ 3. 1605
 - ☐ 4. 1588

Q.33 The Supreme Court struck down certain provisions of the Tribunals (Rationalisation and Conditions of Service) Ordinance, 2021. Which provision did the Court declare invalid?

- Ans**
- ☐ 1. The rule that tribunal decisions are not appealable to any court
 - ☐ 2. Requirement that all tribunal members be retired judges of High Courts
 - ☐ 3. Establishment of administrative tribunals for service matters (which is in the Constitution)
 - ☒ 4. A fixed four-year tenure limit for tribunal members

Q.34 What is the primary objective of the Dx-EDGE initiative launched in 2025?

- Ans**
- ☐ 1. To provide financial subsidies to large corporations
 - ☐ 2. To promote foreign investments in India
 - ☒ 3. To empower MSMEs with digital tools and knowledge
 - ☐ 4. To regulate e-commerce businesses

Q.35 On 29 April 2025, which major facility was inaugurated at the National Centre for Sports Science and Research (NCSSR) to transform athlete rehabilitation and performance tracking in India?

- Ans**
- ☐ 1. National Talent Scouting Wing
 - ☒ 2. Return to Play Facility
 - ☐ 3. Elite Coaching Analytics Centre
 - ☐ 4. Sports Nutrition Research Lab



Q.36 Who among the following are eligible for the training programs under Deen Dayal Upadhyay – Gramin Kaushalya Yojana (DDU-GKY)?

- Ans**
- ☒ 1. Individuals between the ages of 15 and 35 years
 - ☐ 2. Individuals between the ages of 15 and 25 years
 - ☐ 3. Individuals between the ages of 18 and 35 years
 - ☐ 4. Individuals between the ages of 25 and 55 years

Q.37 Digital literacy is now essential for human development in the knowledge economy. Which programme was launched to promote digital literacy among rural citizens in India?

- Ans**
- ☐ 1. BharatNet
 - ☒ 2. PMGDISHA
 - ☐ 3. Digital India
 - ☐ 4. PM-WANI

Q.38 Which of the following Fundamental Rights is guaranteed under Article 25 of the Indian Constitution?

- Ans**
- ☐ 1. Right to move the Supreme Court
 - ☒ 2. Right to freedom of religion
 - ☐ 3. Right against untouchability
 - ☐ 4. Right to culture and language

Q.39 The Battle of Plassey 1757 was fought between the British forces led by Robert Clive and the Nawab of Bengal ____.

- Ans**
- ☐ 1. Shah Alam II
 - ☐ 2. Alivardi Khan
 - ☐ 3. Sarfaraz Khan
 - ☒ 4. Siraj-ud-Daula

Q.40 Which of the following physical quantities has zero dimension in mass and time?

- Ans**
- ☐ 1. Force
 - ☐ 2. Work
 - ☒ 3. Volume
 - ☐ 4. Momentum

Section : Mathematics

Q.1 Two successive discounts of 65% and 24% are equivalent to a single discount of ____.

- Ans**
- ☐ 1. 77%
 - ☐ 2. 74.5%
 - ☐ 3. 76.6%
 - ☒ 4. 73.4%

Q.2 If 38% of first number is equal to two-sevenths of second number, what is the ratio of first number to the second number?

- Ans**
- ☐ 1. 101 : 129
 - ☐ 2. 103 : 132
 - ☒ 3. 100 : 133
 - ☐ 4. 96 : 131



Q.3 The selling price of 50 books is equal to the cost price of 39 books. Find the loss or gain percentage.

- Ans**
- ☒ 1. $\frac{100}{11}\%$ gain
 - ☒ 2. $\frac{100}{11}\%$ loss
 - ☒ 3. 22% loss
 - ☒ 4. 22% gain

Q.4 The sum of the squares of two consecutive odd natural numbers is 34. The sum of the numbers is:

- Ans**
- ☒ 1. 8
 - ☒ 2. 28
 - ☒ 3. 24
 - ☒ 4. 18

Q.5 Sapna invested ₹22,800 on simple interest, partly at 14% per annum and partly at 7% per annum. If she earns equal interests from the two investments after 6 years, then find the sum invested at 14% per annum (in ₹).

- Ans**
- ☒ 1. 7,600
 - ☒ 2. 7,599
 - ☒ 3. 7,597
 - ☒ 4. 7,603

Q.6 A shopkeeper purchased an item listed at ₹1,600 after receiving two successive discounts of 35% and 5% from the wholesaler. The shopkeeper then changed the list price so as to gain 25% after allowing 5% discount. For how much did he list the item?

- Ans**
- ☒ 1. ₹1,388
 - ☒ 2. ₹1,200
 - ☒ 3. ₹1,235
 - ☒ 4. ₹1,300

Q.7 In an election between two candidates 87% of the registered voters cast their vote and 5% of the votes polled were found invalid. The winning candidate got 52% of the valid votes and won the election by a margin of 1653 votes. How many voters were registered?

- Ans**
- ☒ 1. 50001
 - ☒ 2. 50003
 - ☒ 3. 50000
 - ☒ 4. 49998

Q.8 Find the curved surface area of a sphere whose radius is 2.8 cm.

$\left(\text{Use } \pi = \frac{22}{7} \right)$

- Ans**
- ☒ 1. 98.56 cm^2
 - ☒ 2. 97.52 cm^2
 - ☒ 3. 95.32 cm^2
 - ☒ 4. 91.28 cm^2



Q.9 Ritik and Sanjay together invested ₹62,400 in a business. At the end of the year, out of a total profit of ₹15,600, Sanjay's share was ₹1,900. What was the difference between their investments?

- Ans**
- ☐ 1. ₹46,800
 - ☒ 2. ₹47,200
 - ☐ 3. ₹47,000
 - ☐ 4. ₹46,200

Q.10 A number when increased by 100% gives 2740. The number is:

- Ans**
- ☐ 1. 4110
 - ☒ 2. 1370
 - ☐ 3. 685
 - ☐ 4. 2740

Q.11 Shan bought some sharpeners at the rate of ₹150 a dozen. He sold them for ₹19 each. His profit percentage is ____%.

- Ans**
- ☐ 1. 56
 - ☐ 2. 54
 - ☐ 3. 50
 - ☒ 4. 52

Q.12 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 65^\circ$. E is a point on BC such that $\angle CAE = 48^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☐ 1. 77°
 - ☒ 2. 73°
 - ☐ 3. 76°
 - ☐ 4. 79°

Q.13 If the interest earned during the 2nd year on a certain sum is ₹9,828, and the rate of interest is 12% per annum compounded annually, then the sum is:

- Ans**
- ☐ 1. ₹73,520
 - ☐ 2. ₹73,475
 - ☒ 3. ₹73,125
 - ☐ 4. ₹72,185

Q.14 What is the mode of the following data?
67, 75, 81, 70, 65, 61, 65, 84, 75, 76, 85, 89, 62, 84, 72, 74, 89, 68, 83, 60, 82, 82, 66, 77, 75

- Ans**
- ☐ 1. 81
 - ☒ 2. 75
 - ☐ 3. 70
 - ☐ 4. 67

Q.15 The average of first 158 even numbers is

- Ans**
- ☐ 1. 160
 - ☐ 2. 159.5
 - ☐ 3. 158.5
 - ☒ 4. 159



Q.16 Find the value of: $47^{-11} \div 47^{16} \times 47^{-10}$

- Ans
- ☐ 1. 47^{-35}
 - ☒ 2. 47^{-37}
 - ☐ 3. 47^{-27}
 - ☐ 4. 47^{-44}

Q.17 Find the value of x satisfying: $2(4x^2 - 6) - 4(2x^2 + 9x - 3) = 18$

- Ans
- ☐ 1. $-\frac{9}{2}$
 - ☐ 2. $\frac{3}{2}$
 - ☒ 3. $-\frac{1}{2}$
 - ☐ 4. $-\frac{5}{2}$

Q.18 Given that $54^{0.2} = x$, $54^{0.47} = y$ and $x^z = y^3$, then the value of z is close to:

- Ans
- ☒ 1. 7.05
 - ☐ 2. 6.17
 - ☐ 3. 9.48
 - ☐ 4. 6.54

Q.19 Train A leaves station M at 6:45 AM and reaches station N at 3:45 PM on the same day. Train B leaves station N at 8:45 AM and reaches station M at 2:45 PM on the same day. Find the time when trains A and B meet.

- Ans
- ☐ 1. 11:13 AM
 - ☐ 2. 11:53 AM
 - ☒ 3. 11:33 AM
 - ☐ 4. 12:23 PM

Q.20 X, Y and Z invested a sum in the ratio of 32 : 40 : 68, respectively. If they earned a total profit of ₹3,210 at the end of the year, what is the difference between the shares of Y and Z?

- Ans
- ☐ 1. ₹771
 - ☐ 2. ₹742
 - ☒ 3. ₹642
 - ☐ 4. ₹777

Q.21 The largest six digit number which when divided by 3, 5, 7 and 9 leaves remainders 1, 3, 5 and 7, respectively, is:

- Ans
- ☒ 1. 999808
 - ☐ 2. 999998
 - ☐ 3. 999893
 - ☐ 4. 999685

Q.22 A man driving a car at a speed of 72 km/hr crosses a bridge in 4.9 minutes. Find the length of the bridge.

- Ans
- ☐ 1. 5.68 km
 - ☐ 2. 6.29 km
 - ☒ 3. 5.88 km
 - ☐ 4. 6.91 km



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Q.23 The number 966181 is divisible by which of the following?

- Ans
- ☐ 1. 36
 - ☐ 2. 38
 - ☐ 3. 30
 - ☒ 4. 37

Q.24 Solve the following:

$$(\operatorname{cosec} 23^{\circ} - \sin 23^{\circ})(\tan 23^{\circ} + \cot 23^{\circ})(\sec 23^{\circ} - \cos 23^{\circ})$$

- Ans
- ☒ 1. 1
 - ☐ 2. $\tan 23^{\circ}$
 - ☐ 3. $\sin 23^{\circ}$
 - ☐ 4. 0

Q.25 The H.C.F. and the L.C.M. of two numbers are 3 and 672, respectively. If one of the numbers is 96, find the other one.

- Ans
- ☐ 1. 3
 - ☐ 2. 48
 - ☐ 3. 94
 - ☒ 4. 21

Q.26 A can do a work in 11 days and B can do the same work in 19 days. If they work on it together for 6 days, then what fraction of the work is left?

- Ans
- ☐ 1. $\frac{32}{209}$
 - ☐ 2. $\frac{26}{209}$
 - ☐ 3. $\frac{24}{209}$
 - ☒ 4. $\frac{29}{209}$

Q.27 Four times the present age of P exceeds the present age of Q by 19 years. After 7 years, twice the age of Q will be 47 years less than seven times the age of P at that time. What is the present age of Q (in years)?

- Ans
- ☐ 1. 91
 - ☐ 2. 86
 - ☒ 3. 85
 - ☐ 4. 79

Q.28 A hollow spherical shell is made of a metal of density 7 g/cm^3 . Its internal and external radii are 1 cm and 2 cm, respectively. What is the weight (in grams) of the shell?

(Use $\pi = \frac{22}{7}$, and round off your answer to the nearest gram.)

- Ans
- ☐ 1. 273
 - ☒ 2. 205
 - ☐ 3. 221
 - ☐ 4. 214



Q.29 Isha can do a certain piece of work in 22 days. Isha and Smriti can together do the same work in 11 days, and Isha, Smriti and Ashlesha can do the same work together in 10 days. In how many days can Isha and Ashlesha do the same work?

Ans

✗ 1. $\frac{64}{3}$

✗ 2. $\frac{49}{4}$

✓ 3. $\frac{55}{3}$

✗ 4. $\frac{61}{5}$

Q.30 The value of $\frac{3}{4} + \left(\frac{1}{1 + \frac{3}{7}} \right) - \frac{3}{4}$ is

Ans

✗ 1. $\frac{5}{16}$

✗ 2. $\frac{2}{11}$

✗ 3. $\frac{16}{19}$

✓ 4. $\frac{7}{10}$

Section : General Intelligence and Reasoning

Q.1 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All mansions are flats.
All flats are buildings.

Conclusions:

(I) Some flats are mansions.
(II) All buildings are mansions.

- Ans
- ✓ 1. Only conclusion (I) follows.
 - ✗ 2. Neither conclusion (I) nor (II) follows.
 - ✗ 3. Both conclusions (I) and (II) follow.
 - ✗ 4. Only conclusion (II) follows.

Q.2 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

EBF 11, JGK 17, OLP 23, TQU 29, ?

- Ans
- ✗ 1. YUV 35
 - ✗ 2. WUZ 35
 - ✓ 3. YVZ 35
 - ✗ 4. WVZ 24



Q.3 What should come in place of the question mark (?) in the given series?

103, 1000, 9970, 99670, 996670, ?

- Ans
- ☐ 1. 9999670
 - ☐ 2. 9966667
 - ☒ 3. 9966670
 - ☐ 4. 9996670

Q.4 BGSN is related to XLOS in a certain way based on the English alphabetical order. In the same way, TQKX is related to PVGC. To which of the given options is LACH related, following the same logic?

- Ans
- ☐ 1. GEZN
 - ☒ 2. HFYM
 - ☐ 3. FGXO
 - ☐ 4. GFYL

Q.5 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '-' and '×' are interchanged?

$80 \times 16 - 2 \div 12 + 4 = ?$

- Ans
- ☐ 1. 55
 - ☐ 2. 59
 - ☐ 3. 47
 - ☒ 4. 51

Q.6 Each of the digits in the number 7312648 is arranged in the ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans
- ☐ 1. 11
 - ☐ 2. 5
 - ☐ 3. 7
 - ☒ 4. 9

Q.7 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All crows are sparrows. No crow is a pigeon.

Conclusions (I): No sparrow is a pigeon.

Conclusions (II): Some pigeons are crows.

- Ans
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Only conclusion (II) follows.
 - ☐ 3. Both conclusions (I) and (II) follow.
 - ☐ 4. Only conclusion (I) follows.

Q.8 Town Q is to the south of Town R. Town S is to the east of Town R. Town T is to the north of Town S. Town U is to the east of Town T. Town V is to the north-east of Town U. What is the position of Town V with respect to Town Q?

- Ans
- ☐ 1. South-west
 - ☒ 2. North-east
 - ☐ 3. South-east
 - ☐ 4. South



Q.9 Seven people A, B, C, D, E, F and G are sitting in a row, facing the north. Only three people sit to the left of D. B sits third to the left of D. F sits to the right of A but left of D. E sits to the right of C but left of G. How many people sit to the right of F?

- Ans**
- ☐ 1. Five
 - ☐ 2. Three
 - ☒ 3. Four
 - ☐ 4. Two

Q.10 What should come in place of the question mark (?) in the given series?

10, 30, 90, 270, ?, 2430

- Ans**
- ☐ 1. 1080
 - ☐ 2. 540
 - ☒ 3. 810
 - ☐ 4. 720

Q.11 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) € 5 & % 2 7 5 & % 7 8 @ 9 5 \$ & # \$ @ 2 9 © (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☐ 1. 2
 - ☐ 2. 5
 - ☒ 3. 3
 - ☐ 4. 4

Q.12 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

WUP : YYS
OPU : QTX

- Ans**
- ☐ 1. PUX : RYZ
 - ☐ 2. RUV : TYZ
 - ☐ 3. XQO : ZTS
 - ☒ 4. UQQ : WUT

Q.13 In a row of 46 people facing the north, Lalita sits 17th from the left end. If only 15 people sit to the right of Damini, then how many people sit between Damini and Lalita?

- Ans**
- ☐ 1. 15
 - ☒ 2. 13
 - ☐ 3. 16
 - ☐ 4. 17

Q.14 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(32, 497, 23)
(20, -19, 1)

- Ans**
- ☐ 1. (18, -17, 2)
 - ☐ 2. (21, 40, 8)
 - ☐ 3. (3, 3, 3)
 - ☒ 4. (3, 222, 15)



Q.15 Shruti starts from point A and runs 2 km west. She then takes a left turn and runs 1 km. She takes a left turn again and runs 7 km. She then takes a final left turn and runs 1 km to reach a point B. How far (shortest distance) and towards which direction should she run in order to reach point A again? (All turns are 90 degrees turns only unless specified.)

- Ans**
- ☒ 1. 5 km west
 - ☐ 2. 2 km west
 - ☐ 3. 5 km east
 - ☐ 4. 7 km east

Q.16 AWER is related to HDLY in a certain way based on the English alphabetical order. In the same way, CYGT is related to JFNA. To which of the given options is XTBO related, following the same logic?

- Ans**
- ☐ 1. EVIA
 - ☒ 2. EAIV
 - ☐ 3. EAVI
 - ☐ 4. EVAI

Q.17 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

WIX 15 TKV 12 QMT 9 NOR 6 ?

- Ans**
- ☐ 1. KGS 1
 - ☐ 2. QKJ 4
 - ☒ 3. KQP 3
 - ☐ 4. PKG 2

Q.18 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. NRM
 - ☐ 2. RVQ
 - ☒ 3. LPJ
 - ☐ 4. UYT

Q.19 If 1 is subtracted from each even digit of the number 36719542, find the sum of the digits that are repeated more than once in the new number formed.

- Ans**
- ☐ 1. 4
 - ☐ 2. 6
 - ☐ 3. 8
 - ☒ 4. 9

Q.20 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. AGB
 - ☒ 2. IOK
 - ☐ 3. EKF
 - ☐ 4. CID



Q.21 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 6274385, which of the following digits will be third from the right in the new number thus formed?

- Ans**
- ☐ 1. 3
 - ☐ 2. 9
 - ☐ 3. 5
 - ☒ 4. 1

Q.22 In a certain code language, 'LACE' is coded as '5689' and 'LEAK' is coded as '5786'. What is the code for 'K' in that language?

- Ans**
- ☐ 1. 6
 - ☐ 2. 5
 - ☒ 3. 7
 - ☐ 4. 8

Q.23 In a row of people all facing North, Nima is 17th from the left end. Dina is 27th from the left end. Dina is exactly between Nima and Uma. If Uma is 13th from the right end of the line, how many people are there in the row?

- Ans**
- ☒ 1. 49
 - ☐ 2. 47
 - ☐ 3. 48
 - ☐ 4. 50

Q.24 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 9 @ # 8 £ 4 & \$ 7 2 * 5 Ω % 6 1 % & 3 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another number?

- Ans**
- ☐ 1. More than two
 - ☐ 2. One
 - ☒ 3. Two
 - ☐ 4. None

Q.25 In a certain code language, 'DUAL' is coded as '4629' and 'ARCS' is coded as '1435'. What is the code for 'A' in the given code language?

- Ans**
- ☐ 1. 1
 - ☒ 2. 4
 - ☐ 3. 2
 - ☐ 4. 5

Q.26 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. XRY
 - ☐ 2. TNV
 - ☐ 3. RLT
 - ☐ 4. VPX



Q.27 In a row of 42 people facing north, Soma is 17th from the right end. If Amit sits 9th to the left of Soma, what is Amit's position from the left end of the line?

- Ans**
- ☐ 1. 19th
 - ☒ 2. 17th
 - ☐ 3. 16th
 - ☐ 4. 18th

Q.28 Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. Only three people sit to the left of M. Only I sits to the right of O. Only three people sit between O and N. J sits at some place to the left of K but at some place to the right of L. How many people sit between L and K?

- Ans**
- ☒ 1. Three
 - ☐ 2. Two
 - ☐ 3. One
 - ☐ 4. Four

Q.29 A is the brother of H. H is the mother of R. R is the son of M. G is the mother of M. How is A related to M?

- Ans**
- ☐ 1. Son's son
 - ☒ 2. Wife's brother
 - ☐ 3. Son's wife's brother
 - ☐ 4. Son's wife's father

Q.30 What should come in place of the question mark (?) in the given series?

318 263 213 168 128 ?

- Ans**
- ☐ 1. 106
 - ☐ 2. 65
 - ☒ 3. 93
 - ☐ 4. 79





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	19/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 A flat or gently sloping surface left behind after river erosion, often with some resistant remnants, is known as:

- Ans**
- ☒ 1. Monadnock
 - ☒ 2. Plateau
 - ☒ 3. Floodplain
 - ☒ 4. Peneplain

Q.2 Wind energy is best harnessed in which of the following Indian states?

- Ans**
- ☒ 1. Madhya Pradesh
 - ☒ 2. Bihar
 - ☒ 3. Jharkhand
 - ☒ 4. Gujarat

Q.3 Which of the following practices is most suitable for preventing land degradation in arid areas?

- Ans**
- ☒ 1. Contour ploughing
 - ☒ 2. Shifting cultivation
 - ☒ 3. Shelterbelt plantation
 - ☒ 4. Terrace farming

Q.4 What was the focus of World Water Day, observed globally on 22 March 2025?

- Ans**
- ☒ 1. Water for peace
 - ☒ 2. Water and climate change
 - ☒ 3. Accelerating change
 - ☒ 4. Glacier preservation

Q.5 In some file management programs, which shortcut key combination is used to copy a selected item instead of moving it?

- Ans**
- ☒ 1. Alt + Del
 - ☒ 2. Alt + F4
 - ☒ 3. Alt + Ins
 - ☒ 4. Alt + Tab



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Q.6 Which institution played a major role in supporting India's liberalisation policy during the 1991 crisis?

- Ans**
- ☐ 1. Reserve Bank of India
 - ☐ 2. Election Commission of India
 - ☐ 3. NITI Aayog
 - ☒ 4. International Monetary Fund (IMF)

Q.7 In the post-reform era, fiscal prudence became central to macroeconomic stability. Which of the following Acts was enacted in 2003 to institutionalise fiscal discipline in India?

- Ans**
- ☐ 1. Companies Act
 - ☐ 2. Banking Regulation Act
 - ☐ 3. FEMA Act
 - ☒ 4. Fiscal Responsibility and Budget Management Act

Q.8 Which of the following options best describes the main function of an operating system?

- Ans**
- ☐ 1. Compiling high-level code
 - ☐ 2. Displaying web pages
 - ☒ 3. Managing computer hardware and software resources
 - ☐ 4. Performing arithmetic operations

Q.9 Which of the following powers is exercised by the Union Council of Ministers in India?

- Ans**
- ☐ 1. Conducting judicial reviews
 - ☐ 2. Supervising state legislatures
 - ☐ 3. Declaring war
 - ☒ 4. Framing policies and advising the President

Q.10 The Northern Plain of India is formed by the interplay of the three major river systems, namely the Indus, the Ganga and the _____, along with their tributaries.

- Ans**
- ☒ 1. Brahmaputra
 - ☐ 2. Narmada
 - ☐ 3. Damodar
 - ☐ 4. Mahanadi

Q.11 What is the relation between the frequency (f) and time period (T) of a sound wave?

- Ans**
- ☐ 1. $f = T$
 - ☒ 2. $f = 1/T$
 - ☐ 3. $f = T/2$
 - ☐ 4. $f = 2T$

Q.12 In organising the Rowlatt Satyagraha, Mahatma Gandhi was assisted by Abdul Bari of the Firangi Ulema group based in _____.

- Ans**
- ☐ 1. Kanpur
 - ☐ 2. Patna
 - ☐ 3. Aligarh
 - ☒ 4. Lucknow



Q.13 The All-India Services Act, 1951, allows which authority to frame rules for All-India service recruitment?

- Ans**
- ☐ 1. President of India
 - ☒ 2. Central Government
 - ☐ 3. The Parliament of India
 - ☐ 4. Union Public Service Commission

Q.14 Who became the youngest player to score over 700 runs in a single IPL season in 2025?

- Ans**
- ☒ 1. Sai Sudharsan
 - ☐ 2. Ruturaj Gaikwad
 - ☐ 3. Yashasvi Jaiswal
 - ☐ 4. Shubman Gill

Q.15 Dating back to 1639-1640 CE, which construction, located in Chennai, India, is historically known as the primary English defense post?

- Ans**
- ☐ 1. Sadras Dutch Fort
 - ☒ 2. Fort St. George
 - ☐ 3. Fort St. David
 - ☐ 4. Gingee Fort

Q.16 What is the primary objective of the Yashoda AI initiative launched by the National Commission for Women (NCW) in May 2025?

- Ans**
- ☐ 1. To promote traditional crafts among women artisans
 - ☐ 2. To provide financial assistance to women entrepreneurs
 - ☒ 3. To enhance AI literacy and digital awareness among women
 - ☐ 4. To offer healthcare services to rural women

Q.17 In which year did Paul Ehrlich receive the Nobel Prize for discovering the first chemotherapeutic agent, salvarsan?

- Ans**
- ☐ 1. 1905
 - ☒ 2. 1908
 - ☐ 3. 1913
 - ☐ 4. 1901

Q.18 Sanskrit language is mainly used for creating:

- Ans**
- ☐ 1. folk songs and pop music
 - ☐ 2. tribal stories
 - ☐ 3. modern novels
 - ☒ 4. ancient religious texts and epics

Q.19 How many seats did the BJP win in the February 2025 Delhi Assembly elections?

- Ans**
- ☒ 1. 48
 - ☐ 2. 22
 - ☐ 3. 62
 - ☐ 4. 70

Q.20 Which Indian Billiard player won his 28th World Billiards Title at IBSF World Billiards Championship in Doha, Qatar in November 2024?

- Ans**
- ☐ 1. Rupesh Shah
 - ☒ 2. Pankaj Advani
 - ☐ 3. Sourav Kothari
 - ☐ 4. Yasin Merchant



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Q.21 Which of the following is a government initiative aimed at improving urban infrastructure in Indian cities?

- Ans**
- ☐ 1. Atal Bhujal Yojana
 - ☒ 2. Smart Cities Mission
 - ☐ 3. Swachh Bharat Gramin
 - ☐ 4. Pradhan Mantri Gram Sadak Yojana

Q.22 What significant space-related agreement did Bangladesh join in 2025?

- Ans**
- ☐ 1. The Moon Treaty
 - ☐ 2. The Outer Space Treaty
 - ☒ 3. The Artemis Accords
 - ☐ 4. The SpaceX International Partnership

Q.23 What was a key reform introduced by the Waqf (Amendment) Act, 2025?

- Ans**
- ☐ 1. Clergy-only Waqf management
 - ☐ 2. Audit exemption for Waqf assets
 - ☐ 3. Abolition of old Waqf properties
 - ☒ 4. Inclusion of Muslim women on Waqf Boards

Q.24 Which missile defence system, named Sudarshan Chakra, was used by India to intercept drones and missiles during Pakistan's attempted strikes in May 2025?

- Ans**
- ☐ 1. Prithvi Air Defence
 - ☒ 2. S-400 Triumf
 - ☐ 3. Akashteer
 - ☐ 4. Barak 8

Q.25 India recently assumed the Chairmanship of which organisation from Bangladesh during the 13th Governing Council Meeting held in Malé, Maldives?

- Ans**
- ☐ 1. South Asian Association for Regional Cooperation (SAARC)
 - ☐ 2. Indian Ocean Rim Association (IORA)
 - ☐ 3. Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC)
 - ☒ 4. Bay of Bengal Inter-Governmental Organisation (BOBP-IGO)

Q.26 Under Akbar, who was responsible for revenue and financial supervision across the entire Mughal Empire?

- Ans**
- ☐ 1. Vakil
 - ☐ 2. Subadar
 - ☐ 3. Mir Bakhshi
 - ☒ 4. Diwan-i-Kul

Q.27 What happens to excess carbohydrates in the body?

- Ans**
- ☐ 1. They are turned into proteins.
 - ☐ 2. They are converted into amino acids and stored.
 - ☒ 3. They are converted into fat and stored.
 - ☐ 4. They are excreted immediately.

Q.28 What is the key reason governments promote Public-Private Partnerships in infrastructure development?

- Ans**
- ☐ 1. To address fiscal constraints and reduce liabilities
 - ☒ 2. To improve efficiency and innovation through private sector expertise
 - ☐ 3. Due to lack of trained manpower
 - ☐ 4. To privatise all national res



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Q.29 Researchers of which university produced India's first gene-edited sheep?

- Ans**
- ☐ 1. Chandigarh University
 - ☐ 2. IIT Madras
 - ☒ 3. Sher-e-Kashmir University
 - ☐ 4. IIT Kanpur

Q.30 Which of the following launch vehicles did ISRO use for its 100th mission in 2025?

- Ans**
- ☐ 1. PSLV C58
 - ☒ 2. GSLV F15
 - ☐ 3. SSLV D2
 - ☐ 4. LV Mk III

Q.31 Which one of the acts is known as the first step towards constitutional development in India?

- Ans**
- ☐ 1. Indian Councils Act, 1861
 - ☒ 2. Regulating Act, 1773
 - ☐ 3. Pitt's India Act, 1784
 - ☐ 4. Charter Act, 1813

Q.32 Which of the following freedom fighters led the Rampa Rebellion of 1922 against forest laws?

- Ans**
- ☐ 1. Ashfaquallah Khan
 - ☒ 2. Alluri Sitarama Raju
 - ☐ 3. Jatindra Nath Das
 - ☐ 4. Surya Sen

Q.33 Which of the following Articles was introduced by the 86th Amendment to impose a duty on parents to educate children?

- Ans**
- ☒ 1. Article 51A(k)
 - ☐ 2. Article 45
 - ☐ 3. Article 39A
 - ☐ 4. Article 21A

Q.34 Which season in India is characterised by high temperature and low humidity?

- Ans**
- ☐ 1. Retreating Monsoon
 - ☐ 2. Cold Weather Season
 - ☐ 3. Southwest Monsoon
 - ☒ 4. Hot Weather Season

Q.35 What was one of the major characteristics of India's economy at the time of independence in 1947?

- Ans**
- ☐ 1. Self-sufficiency in manufacturing
 - ☐ 2. Strong trade surplus
 - ☒ 3. Heavy dependence on agriculture and low productivity
 - ☐ 4. Dominance of the services sector

Q.36 In May 2025, India approved the execution model for which indigenous fifth-generation fighter aircraft program?

- Ans**
- ☒ 1. Advanced Medium Combat Aircraft (AMCA)
 - ☐ 2. Medium Combat Aircraft (MCA)
 - ☐ 3. HAL Twin Engine Deck Based Fighter (TEDBF)
 - ☐ 4. Tejas Mk2



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Q.37 In which of the following cities was the Sepak Takraw 2025 World Cup (ISTAF) held in India in March 2025?

- Ans**
- ☐ 1. Mumbai
 - ☒ 2. Patna
 - ☐ 3. Bengaluru
 - ☐ 4. New Delhi

Q.38 Which Rajput ruler founded the Gurjara-Pratihara dynasty in Malwa during the 8th century CE?

- Ans**
- ☒ 1. Nagabhata I
 - ☐ 2. Mihira Bhoja
 - ☐ 3. Vatsaraja
 - ☐ 4. Dhruva

Q.39 Who led the Tamar tribal revolts against the British in India?

- Ans**
- ☐ 1. Tilka Manjhi
 - ☐ 2. Sidhu Murmu
 - ☐ 3. Ganga Narain Singh
 - ☒ 4. Bhola Nath Sahay

Q.40 Which of the following is a primary function of the District Courts in India?

- Ans**
- ☐ 1. Advising the President of India
 - ☒ 2. Hearing appeals from lower courts within the district
 - ☐ 3. Settling disputes between Union and State governments
 - ☐ 4. Issuing writs to enforce fundamental rights (without High Court)

Section : Mathematics

Q.1 The average of first 150 odd natural numbers, is:

- Ans**
- ☐ 1. 150.5
 - ☐ 2. 151
 - ☒ 3. 150
 - ☐ 4. 149.5

Q.2 If the interest earned during the 2nd year on a certain sum is ₹3,342, and the rate of interest is 20% per annum compounded annually, then the sum is:

- Ans**
- ☐ 1. ₹13,285
 - ☒ 2. ₹13,925
 - ☐ 3. ₹14,900
 - ☐ 4. ₹14,075

Q.3 If 2 times a son's age is added to his father's age, the sum is 36 years. If 2.5 times the father's age is added to the son's age, the sum is 72 years. What is the father's age (in years)?

- Ans**
- ☒ 1. 27
 - ☐ 2. 31
 - ☐ 3. 23
 - ☐ 4. 32



Q.4 The HCF of two numbers is 9 and the product of the two numbers is 8100. How many pairs of numbers satisfy the given conditions?

- Ans**
- ☐ 1. 5
 - ☐ 2. 3
 - ☒ 3. 2
 - ☐ 4. 4

Q.5 The product of two consecutive positive natural numbers is 650. The greater of the two numbers is:

- Ans**
- ☐ 1. 29
 - ☐ 2. 43
 - ☒ 3. 26
 - ☐ 4. 31

Q.6 Prashant and Nisha have to travel from Delhi to Kanpur in their respective cars. Prashant is driving at 72 km/hr while Nisha is driving at 64 km/hr. Find the time taken by Nisha to reach Kanpur if Prashant takes 16 hours.

- Ans**
- ☐ 1. 24 hours
 - ☒ 2. 18 hours
 - ☐ 3. 8 hours
 - ☐ 4. 20 hours

Q.7 An item is marked at ₹1,200. Successive discounts of 20% and 10% are given. What is the final selling price?

- Ans**
- ☒ 1. ₹864
 - ☐ 2. ₹960
 - ☐ 3. ₹900
 - ☐ 4. ₹880

Q.8 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month in 7 months.

- Ans**
- ☒ 1. 252
 - ☐ 2. 41
 - ☐ 3. 21
 - ☐ 4. 42

Q.9 The H.C.F. and the L.C.M. of two numbers are 51 and 306 respectively. If one of the numbers is 102, find the other one.

- Ans**
- ☐ 1. 102
 - ☐ 2. 204
 - ☐ 3. 175
 - ☒ 4. 153

Q.10 Nitin bought some sharpeners at the rate of ₹180/dozen. He sold them for ₹20 each. His profit percentage is _____% (rounded off to two decimal places).

- Ans**
- ☒ 1. 33.33
 - ☐ 2. 35.33
 - ☐ 3. 31.33
 - ☐ 4. 37.33



Q.11 A can do a work in 17 days and B can do the same work in 19 days. If they work on it together for 6 days, then what fraction of the work is left?

- Ans
- ✓ 1. $\frac{107}{323}$
 - ✗ 2. $\frac{109}{323}$
 - ✗ 3. $\frac{110}{323}$
 - ✗ 4. $\frac{104}{323}$

Q.12 Aanya has to reach Bangalore which is 861 km away in 15 hours. His starting speed for 8 hours was 37 km/hr. For the next 136 km his speed was 34 km/hr. By what speed he must travel now so as to reach Bangalore in the decided time of 15 hours?

- Ans
- ✗ 1. 141 km/hr
 - ✓ 2. 143 km/hr
 - ✗ 3. 147 km/hr
 - ✗ 4. 146 km/hr

Q.13 Evaluate: $16 + 12 \div 6 - 3 \times 4$

- Ans
- ✗ 1. 8
 - ✗ 2. 5
 - ✗ 3. 9
 - ✓ 4. 6

Q.14 Find the value of x satisfying: $3(2x^2 - 5) - 2(3x^2 + 4x - 8) = 20$

- Ans
- ✗ 1. $-\frac{29}{8}$
 - ✗ 2. $-\frac{11}{8}$
 - ✓ 3. $-\frac{19}{8}$
 - ✗ 4. $-\frac{21}{8}$

Q.15 Simplify the following.

$$18 \times (3 \times (3^2)) \div 13 + 66 - 74$$

- Ans
- ✗ 1. $\frac{391}{13}$
 - ✗ 2. $\frac{387}{13}$
 - ✓ 3. $\frac{382}{13}$
 - ✗ 4. $\frac{389}{13}$



Q.16 If the 6-digit number N65M04 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans
- ☐ 1. $M - N = 1$
 - ☐ 2. $M = N$
 - ☒ 3. $M - N = -5$
 - ☐ 4. $M + N = 5$

Q.17 $\frac{1}{\sec A(1 - \tan A)} + \frac{1}{\operatorname{cosec} A(1 - \cot A)}$ is equal to:

- Ans
- ☐ 1. $\cos A \sin A$
 - ☐ 2. $\frac{1}{\cos A \sin A}$
 - ☐ 3. $\cos A - \sin A$
 - ☒ 4. $\cos A + \sin A$

Q.18 Which of the following numbers divides 311916399?

- Ans
- ☐ 1. 7
 - ☐ 2. 13
 - ☐ 3. 2
 - ☒ 4. 3

Q.19 A shirt is marked at ₹800. A shopkeeper offers a discount of 25% on it. What is the selling price of the shirt after the discount?

- Ans
- ☒ 1. ₹600
 - ☐ 2. ₹650
 - ☐ 3. ₹700
 - ☐ 4. ₹750

Q.20 In an election between two candidates, 80% of the registered voters cast their vote and 20% of the votes polled were found invalid. The winning candidate got 60% of the valid votes and won the election by a margin of 2144 votes. How many voters were registered?

- Ans
- ☐ 1. 16749
 - ☐ 2. 16747
 - ☐ 3. 16753
 - ☒ 4. 16750

Q.21 By selling an article at $\frac{8}{13}$ of its actual selling price, Ramesh incurs a loss of 20%.

If he sells it at 85% of its actual selling price, then the profit percentage is:

- Ans
- ☐ 1. 9.3%
 - ☐ 2. 8.2%
 - ☐ 3. 12.3%
 - ☒ 4. 10.5%

Q.22 An amount of ₹616 is divided among three persons in the ratio of 5 : 12 : 11. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans
- ☒ 1. 154
 - ☐ 2. 86
 - ☐ 3. 69
 - ☐ 4. 112



Q.23

By how much is 65% of 75 greater than $\frac{4}{5}$ of 15?

- Ans
- ✓ 1. 36.75
 - ✗ 2. 33.75
 - ✗ 3. 30.75
 - ✗ 4. 34.75

Q.24 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 75 kg and 35 kg is:

- Ans
- ✗ 1. 53
 - ✓ 2. 51
 - ✗ 3. 52
 - ✗ 4. 50

Q.25 Pipe P can fill $\frac{3}{7}$ part of a tank in 12 hours, and pipe Q can fill $\frac{5}{6}$ part of the same tank in 10 hours.

Both P and Q were kept open for 2 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 5 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans
- ✗ 1. 24 hours
 - ✗ 2. 27 hours
 - ✓ 3. 14 hours
 - ✗ 4. 33 hours

Q.26 If 18% of first number is equal to two-fifths of second number, what is the ratio of first number to the second number?

- Ans
- ✓ 1. 20 : 9
 - ✗ 2. 16 : 10
 - ✗ 3. 21 : 6
 - ✗ 4. 18 : 7

Q.27 The perimeter of a square is 340 m. Its area (in m^2) is:

- Ans
- ✗ 1. 7204
 - ✗ 2. 7200
 - ✗ 3. 7207
 - ✓ 4. 7225

Q.28 Aman and Pawan together invested ₹76,500 in a business. At the end of the year, out of a total profit of ₹20,000, Pawan's share was ₹4,800. What was the difference between their investments?

- Ans
- ✓ 1. ₹39,780
 - ✗ 2. ₹40,609
 - ✗ 3. ₹39,923
 - ✗ 4. ₹41,601

Q.29 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 17^\circ$ and $\angle BAC = 125^\circ$, then what is the measure of $\angle ACD$ (in degree)?

- Ans
- ✓ 1. 104°
 - ✗ 2. 95°
 - ✗ 3. 106°
 - ✗ 4. 105°



Q.30 Find the surface area of a sphere whose diameter is 14 cm.

$$\left(\text{Use } \pi = \frac{22}{7} \right)$$

- Ans
- ☐ 1. 716 cm²
 - ☐ 2. 516 cm²
 - ☐ 3. 816 cm²
 - ☒ 4. 616 cm²

Section : General Intelligence and Reasoning

Q.1 If 2 is added to each even digit and 4 is subtracted from each odd digit in the number 925746, what will be difference between the highest and second lowest digits thus formed?

- Ans
- ☒ 1. 5
 - ☐ 2. 4
 - ☐ 3. 6
 - ☐ 4. 7

Q.2 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) ^ > & 5 > ^ 3 6 < + \$ % * % 7 1 % 2 + 2 1 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans
- ☐ 1. One
 - ☐ 2. Three
 - ☐ 3. None
 - ☒ 4. Two

Q.3 In a certain code language, 'WHAT' is coded as '3157' and 'HORN' is coded as '2416'. What is the code for 'H' in the given code language?

- Ans
- ☐ 1. 2
 - ☐ 2. 6
 - ☒ 3. 1
 - ☐ 4. 5

Q.4 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

UTP CBX KJF SRN ?

- Ans
- ☐ 1. VZA
 - ☒ 2. AZV
 - ☐ 3. AVZ
 - ☐ 4. VAZ

Q.5 A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people sit between C and G when counted from the left of G. A sits third to the left of D. E sits to the immediate right of D. E sits second to the left of C. B is an immediate neighbour of A. How many people sit between B and E when counted from the right of B?

- Ans
- ☐ 1. 3
 - ☐ 2. 1
 - ☒ 3. 2
 - ☐ 4. 4



Q.6 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged, and '-' and 'x' are interchanged?

$$24 + 3 \times 10 - 2 \div 41 = ?$$

- Ans
- ☐ 1. 36
 - ☐ 2. 22
 - ☐ 3. 41
 - ☒ 4. 29

Q.7 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. TQ-PM
 - ☐ 2. ZW-VS
 - ☒ 3. NK-II
 - ☐ 4. IF-EB

Q.8 LEAV is related to SLHC in a certain way based on the English alphabetical order. In the same way, NGCX is related to UNJE. To which of the given options is IBXS related, following the same logic?

- Ans
- ☒ 1. PIEZ
 - ☐ 2. PZEW
 - ☐ 3. PEZI
 - ☐ 4. PIZE

Q.9 In a certain code language,
A + B means 'A is the brother of B',
A @ B means 'A is the wife of B',
A ¥ B means 'A is the son of B' and
A ÷ B means 'A is the father of B'.
How is D related to G if 'D ¥ O ÷ I + N @ G'?

- Ans
- ☒ 1. Wife's brother
 - ☐ 2. Wife's brother's wife
 - ☐ 3. Wife's father's sister
 - ☐ 4. Wife's father

Q.10 VALG is related to YYOE in a certain way based on the English alphabetical order. In the same way, BWRC is related to EUUA. To which of the given options is HSXY related, following the same logic?

- Ans
- ☒ 1. KQAW
 - ☐ 2. LQBW
 - ☐ 3. LPZV
 - ☐ 4. JRBU

Q.11 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All chisels are hammers. No hammer is a maize.

Conclusions (I): No chisel is a maize.

Conclusions (II): Some maize are hammers.

- Ans
- ☐ 1. Both conclusions (I) and (II) follow.
 - ☐ 2. Neither conclusion (I) nor (II) follows.
 - ☒ 3. Only conclusion (I) follows.
 - ☐ 4. Only conclusion (II) follow

Q.12 PXTQ is related to NVRO in a certain way based on the English alphabetical order. In the same way, MUQN is related to KSOL. To which of the given options is JRNK related, following the same logic?

- Ans**
- ☐ 1. PHLI
 - ☐ 2. HPIL
 - ☐ 3. PHIL
 - ☒ 4. HPLI

Q.13 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. F is kept second from the bottom. Only three boxes are kept between F and C. E is kept at one of the positions below F. Only G is kept between C and D. B is kept at one of the positions above C. How many boxes are kept between C and D?

- Ans**
- ☐ 1. 3
 - ☐ 2. 2
 - ☒ 3. 1
 - ☐ 4. 4

Q.14 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. ZJ - DD
 - ☐ 2. CU - GO
 - ☒ 3. HR - ML
 - ☐ 4. XB - BV

Q.15 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

30, 125
25, 105

- Ans**
- ☐ 1. 40, 155
 - ☐ 2. 35, 130
 - ☒ 3. 20, 85
 - ☐ 4. 15, 60

Q.16 If + means –, – means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$21 + 70 \times 10 \div 5 - 2 = ?$$

- Ans**
- ☒ 1. 24
 - ☐ 2. 36
 - ☐ 3. 18
 - ☐ 4. 42

Q.17 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CE 17 GI 19 KM 23 OQ 29 ?

- Ans**
- ☐ 1. RU 37
 - ☐ 2. RT 37
 - ☐ 3. ST 37
 - ☒ 4. SU 37



Q.18 Vijay starts from his home and drives 5 km towards north. He then takes a left turn, drives 5 km, turns left, and drives 5 km. He then takes a left turn and drives 3 km and reaches his office. In which direction is the office with respect to his home?
(Note: All turns are 90° turns only, unless specified.)

- Ans**
- ☒ 1. North
 - ☒ 2. West
 - ☒ 3. South-west
 - ☒ 4. North-west

Q.19 What should come in place of the question mark (?) in the given series?

9 23 49 83 129 183 ?

- Ans**
- ☒ 1. 294
 - ☒ 2. 254
 - ☒ 3. 250
 - ☒ 4. 249

Q.20 All 45 people are standing in a row facing north. Tina is 20th from the right end while Belamit is 28th from the left end. How many people are there between Tina and Belamit?

- Ans**
- ☒ 1. Three
 - ☒ 2. Four
 - ☒ 3. One
 - ☒ 4. Two

Q.21 Vslam starts from Point A and drives 17 km towards West. He then takes a left turn, drives 9 km, turns right and drives 5 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 22 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 4 km to the East
 - ☒ 2. 1 km to the South
 - ☒ 3. 2 km to the West
 - ☒ 4. 3 km to the South

Q.22 What should come in place of the question mark (?) in the given series?

96 105 115 126 138 ?

- Ans**
- ☒ 1. 151
 - ☒ 2. 120
 - ☒ 3. 150
 - ☒ 4. 152

Q.23 What should come in place of the question mark (?) in the given series?

45 63 87 105 129 147 171 ?

- Ans**
- ☒ 1. 189
 - ☒ 2. 193
 - ☒ 3. 185
 - ☒ 4. 197



Q.24 Seven people, A, B, C, D, P, Q and R, are sitting in a row, facing north.
No one sits to the left of Q. Only four people sit between Q and D. Only three people sit to the right of R. C sits to the immediate left of P. B is not an immediate neighbour of R. Who sits third to the left of B?

- Ans**
- ☒ 1. A
 - ☒ 2. R
 - ☒ 3. D
 - ☒ 4. C

Q.25 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. YG - BB
 - ☒ 2. ND - QX
 - ☒ 3. AP - DK
 - ☒ 4. SJ - VE

Q.26 Seven boxes C, D, E, M, N, O and P are kept one over the other but not necessarily in the same order.
Only two boxes are kept between O and M. Only E is kept above N. No box is kept below M. C is kept at some place below D but at some place above P. Which box is kept third above P?

- Ans**
- ☒ 1. C
 - ☒ 2. N
 - ☒ 3. M
 - ☒ 4. D

Q.27 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 8265943, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☒ 1. Three
 - ☒ 2. Two
 - ☒ 3. One
 - ☒ 4. None

Q.28 This question is based on the five, three-digit numbers given below.

(Left) 617 259 165 784 349 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the lowest number is subtracted from the second digit of the highest number?

- Ans**
- ☒ 1. 3
 - ☒ 2. 1
 - ☒ 3. 2
 - ☒ 4. 4

Q.29 In a certain code language, 'BIRD' is coded as '7394' and 'DRIP' is coded as '4392'. What is the code for 'P' in the given code language?

- Ans**
- ☒ 1. 9
 - ☒ 2. 4
 - ☒ 3. 2
 - ☒ 4. 3



Q.30 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statement:

Some Googles are apples.
Some apples are Amazons.

Conclusions:

- I. Some Googles are Amazons.
- II. No Google is an Amazon.

- Ans**
-  1. Neither conclusion (I) nor (II) follows.
 -  2. Only conclusion (II) follows.
 -  3. Only conclusion (I) follows.
 -  4. Both conclusions (I) and (II) follow.





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	19/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Bangladesh is located in which direction of India?

- Ans
- ☒ 1. East
 - ☐ 2. North
 - ☐ 3. Northwest
 - ☐ 4. West

Q.2 How many pairs of false ribs are located above the floating ribs that are connected to each other by costal cartilage?

- Ans
- ☐ 1. 2
 - ☐ 2. 5
 - ☐ 3. 6
 - ☒ 4. 3

Q.3 In which city is India's first AI-focused Special Economic Zone (SEZ) being established in 2025?

- Ans
- ☒ 1. Nava Raipur
 - ☐ 2. Hyderabad
 - ☐ 3. Pune
 - ☐ 4. Bengaluru

Q.4 Which test was successfully conducted by ISRO in the development of the semicryogenic engine in March 2025?

- Ans
- ☐ 1. Static fire test of the rocket booster
 - ☐ 2. Cold test of the fuel system
 - ☐ 3. Flight test of the complete launch vehicle
 - ☒ 4. Hot test of the engine power head test article

Q.5 As per VarIndia (April 2025), India's draft '6G THz Testbed' specifically targets components operating in frequencies above:

- Ans
- ☐ 1. 60 GHz
 - ☐ 2. 300 GHz
 - ☒ 3. 100 GHz
 - ☐ 4. 6 GHz



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Q.6 During the Gupta period, who was the Commander-in-Chief of the Gupta Army?

- Ans**
- ☐ 1. Sandhivigrahika
 - ☐ 2. Amatya
 - ☒ 3. Mahasenapati
 - ☐ 4. Mahamatya

Q.7 Which architectural style characterises the Chhatrapati Shivaji Maharaj Terminus (CSMT) building in Mumbai, India, completed in 1887?

- Ans**
- ☐ 1. Mughal
 - ☒ 2. Victorian Gothic
 - ☐ 3. Indo-Saracenic
 - ☐ 4. Rajput

Q.8 Who was the first Portuguese explorer to reach India in 1498, arriving at Calicut on the Malabar Coast?

- Ans**
- ☐ 1. Columbus
 - ☒ 2. Vasco da Gama
 - ☐ 3. Nino-da-Cunha
 - ☐ 4. Albuquerque

Q.9 Mont Blanc is the highest peak of which mountain range?

- Ans**
- ☒ 1. Alps
 - ☐ 2. Himalayas
 - ☐ 3. Western Ghats
 - ☐ 4. Andes

Q.10 Why does the eastern coastal plain have fewer ports and harbours compared to the western coastal plain?

- Ans**
- ☐ 1. It is closer to the Equator
 - ☐ 2. It has more tourist beaches
 - ☒ 3. It is an emergent coast
 - ☐ 4. It receives more rainfall

Q.11 'Diyaslai' is the autobiography of which social activist of India, on which the Indira Gandhi National Centre for the Arts (IGNCA), an autonomous institution under the Ministry of Culture held a dedicated discussion in February 2025 in an event graced by former President Ram Nath Kovind as the chief guest?

- Ans**
- ☒ 1. Kailash Satyarthi
 - ☐ 2. Laxmi Agarwal
 - ☐ 3. Kiran Bedi
 - ☐ 4. Kamla Bhasin

Q.12 Which Article of the Indian Constitution deals with the impeachment procedure of the President?

- Ans**
- ☒ 1. Article 61
 - ☐ 2. Article 66
 - ☐ 3. Article 52
 - ☐ 4. Article 54



Q.13 What has the Supreme Court of India ruled regarding the independence of tribunals?

- Ans**
- ☐ 1. Tribunals must be headed by sitting High Court judges to ensure credibility.
 - ☐ 2. Tribunals are executive bodies and need not be independent of the executive.
 - ☒ 3. Tribunals, being quasi-judicial bodies, must be independent of the executive, just like regular courts.
 - ☐ 4. Tribunals can be managed by the subject-matter ministry to improve efficiency.

Q.14 Which of the following organisations launched the Bharatpol platform to enhance coordination with Interpol in January 2025?

- Ans**
- ☐ 1. National Crime Records Bureau (NCRB)
 - ☐ 2. Ministry of Home Affairs (MHA)
 - ☒ 3. Central Bureau of Investigation (CBI)
 - ☐ 4. National Investigation Agency (NIA)

Q.15 What was the effect of English education and western thought on Indian nationalism?

- Ans**
- ☐ 1. Supported casteism
 - ☐ 2. Encouraged partition
 - ☒ 3. Ignited national awakening
 - ☐ 4. Suppressed nationalism

Q.16 What has been the trend in India's per capita income since the 1991 reforms?

- Ans**
- ☐ 1. No significant change
 - ☐ 2. Constant decline
 - ☐ 3. Fluctuating without a pattern
 - ☒ 4. Gradual increase

Q.17 Who took over as the Deputy Governor of the Reserve Bank of India in May 2025?

- Ans**
- ☐ 1. Ajit Ratnakar Joshi
 - ☐ 2. Swaminathan J
 - ☐ 3. Indranil Bhattacharyya
 - ☒ 4. Dr. Poonam Gupta

Q.18 Which state is in the news for achieving full functional literacy in May 2025?

- Ans**
- ☒ 1. Mizoram
 - ☐ 2. Tripura
 - ☐ 3. Nagaland
 - ☐ 4. Meghalaya

Q.19 What is the specific heat of copper, which is often used for pots and pans because it heats up quickly?

- Ans**
- ☐ 1. $604.2 \text{ J kg}^{-1} \text{ K}^{-1}$
 - ☐ 2. $239.3 \text{ J kg}^{-1} \text{ K}^{-1}$
 - ☐ 3. $712.1 \text{ J kg}^{-1} \text{ K}^{-1}$
 - ☒ 4. $386.4 \text{ J kg}^{-1} \text{ K}^{-1}$

Q.20 In which of the following years was the first ever National Agriculture Policy announced?

- Ans**
- ☒ 1. 2000
 - ☐ 2. 2010
 - ☐ 3. 2003
 - ☐ 4. 2005



Q.21 The Tripartite Struggle was a prolonged conflict among the Gurjara-Pratiharas, Palas, and which southern Indian dynasty?

- Ans**
- ☒ 1. Rashtrakutas
 - ☐ 2. Cholas
 - ☐ 3. Satavahanas
 - ☐ 4. Pallavas

Q.22 In Windows 11, what does the Alt + D keyboard shortcut do in File Explorer or a web browser?

- Ans**
- ☐ 1. Deletes the selected file or folder
 - ☐ 2. Duplicates the current tab
 - ☒ 3. Focuses the address bar
 - ☐ 4. Displays desktop

Q.23 The World Government Summit 2025, focusing on shaping future governments, was convened in which city?

- Ans**
- ☐ 1. Geneva, Switzerland
 - ☐ 2. Singapore
 - ☐ 3. Doha, Qatar
 - ☒ 4. Dubai, United Arab Emirates

Q.24 Which sector in India saw significant growth due to globalisation and outsourcing after the 1990s?

- Ans**
- ☐ 1. Agriculture
 - ☐ 2. Mining
 - ☐ 3. Real Estate
 - ☒ 4. IT and Services

Q.25 Which of the following is a socio-economic Directive Principle?

- Ans**
- ☐ 1. Promotion of international peace
 - ☒ 2. Equal pay for equal work
 - ☐ 3. Separation of powers
 - ☐ 4. Independence of the judiciary

Q.26 Which of the following Constitutional Amendments introduced the Goods and Services Tax (GST) in India?

- Ans**
- ☒ 1. 101st Amendment
 - ☐ 2. 108th Amendment
 - ☐ 3. 103rd Amendment
 - ☐ 4. 97th Amendment

Q.27 What is the primary objective of the e-Zero FIR initiative launched by the Union Ministry of Home Affairs in May 2025?

- Ans**
- ☐ 1. Provide compensation for cyber fraud victims
 - ☐ 2. Launch an online cyber safety portal
 - ☐ 3. Create a national crime database
 - ☒ 4. Fast-track cyber fraud FIRs



Q.28 In 2025, the Central Government granted a one-year extension to Dr. Samir V Kamat, extending his tenure as Chief of which organisation till May 2026?

- Ans**
- ✓ 1. Defence Research and Development Organisation (DRDO)
 - ✗ 2. Indian Space Research Organisation (ISRO)
 - ✗ 3. National Security Council Secretariat (NSCS)
 - ✗ 4. Council of Scientific and Industrial Research (CSIR)

Q.29 Which MS Windows feature allows users to personalize their desktop background, theme and screensaver settings?

- Ans**
- ✗ 1. Device Manager
 - ✗ 2. Disk Management
 - ✗ 3. Task Scheduler
 - ✓ 4. Personalization Settings

Q.30 What is the value of one carat when expressed in SI units?

- Ans**
- ✗ 1. 500 milligrams
 - ✗ 2. 1 gram
 - ✗ 3. 100 milligrams
 - ✓ 4. 200 milligrams

Q.31 Who first presided over the first Indian National Congress session at Mumbai?

- Ans**
- ✗ 1. Dadabhai Naoroji
 - ✗ 2. Surendranath Bannerjee
 - ✓ 3. W C Bannerjee
 - ✗ 4. Anand Mohan Bose

Q.32 Landslides due to mining and land subsidence are commonly seen in:

- Ans**
- ✗ 1. Assam and West Bengal
 - ✗ 2. Himachal Pradesh and Uttarakhand
 - ✗ 3. Rajasthan and Haryana
 - ✓ 4. Jharkhand and Chhattisgarh

Q.33 Which initiative promotes rooftop solar installations for households?

- Ans**
- ✗ 1. URJA Mission
 - ✗ 2. PM-KUSUM
 - ✓ 3. Surya Ghar Muft Bijli Yojana
 - ✗ 4. Solar India

Q.34 Financial inclusion helps reduce income inequality in rural areas. Which platform provides a unified digital database for unorganised workers?

- Ans**
- ✗ 1. Jan Dhan Yojana
 - ✗ 2. BHIM app
 - ✓ 3. E-Shram portal
 - ✗ 4. UPI dashboard

Q.35 In March 2025, the Gujarat government launched which scheme to uplift 50,000 Antyodaya families through economic development and women empowerment programmes?

- Ans**
- ✗ 1. G-SAMRIDHI
 - ✗ 2. G-SHAKTI
 - ✗ 3. G-SWARUPA
 - ✓ 4. G-SAFAL



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Q.36 Which of the following languages is most notably associated with the literary contributions of Girish Karnad, exemplified by his acclaimed play 'Tughlaq'?

- Ans**
- ☒ 1. Tamil
 - ☒ 2. Kannada
 - ☒ 3. Marathi
 - ☒ 4. Telugu

Q.37 Pykara was marked as the first water power station in which state of India?

- Ans**
- ☒ 1. Tamil Nadu
 - ☒ 2. Kerala
 - ☒ 3. Madhya Pradesh
 - ☒ 4. Odisha

Q.38 Who presides over the sessions of the Vidhan Sabha in a State?

- Ans**
- ☒ 1. The Governor of the State
 - ☒ 2. The Chief Minister of the State
 - ☒ 3. The Speaker elected by members
 - ☒ 4. The Deputy Speaker by rotation

Q.39 One of the major natural lakes in India, the Sambhar Lake of Rajasthan, is located in which of the following districts of the state?

- Ans**
- ☒ 1. Jaipur
 - ☒ 2. Jhunjhunu
 - ☒ 3. Barmer
 - ☒ 4. Jaisalmer

Q.40 Who became the first Indian space tourist in 2025, joining the crew for Amazon founder Jeff Bezos' Blue Origin's NS-25 mission?

- Ans**
- ☒ 1. Shubham Banerjee
 - ☒ 2. Gopi Thotakura
 - ☒ 3. Zoya Agarwal
 - ☒ 4. Mohadessa Jafri

Section : Mathematics

Q.1 Six times the present age of P exceeds the present age of Q by 11 years. After 10 years, three times Q's age will be 27 years less than six times P's age at that time. What is the present age (in years) of Q?

- Ans**
- ☒ 1. 6
 - ☒ 2. 12
 - ☒ 3. 7
 - ☒ 4. 16

Q.2 The radius of a spherical balloon increases from 5 cm to 10 cm when more air is added to it. What is the ratio of the volume of the original balloon and the volume of the inflated balloon?

- Ans**
- ☒ 1. 1 : 6
 - ☒ 2. 1 : 8
 - ☒ 3. 1 : 2
 - ☒ 4. 1 : 4



Q.3 A can lay railway track between two given stations in 18 days and B can do the same job in 10 days. With the help of C, they did the job in 4 days only. Then, C alone can do the job in

Ans

☐ 1. $11\frac{10}{17}$ days

☐ 2. $14\frac{10}{17}$ days

☒ 3. $10\frac{10}{17}$ days

☐ 4. $19\frac{10}{17}$ days

Q.4 Ritesh and Gauri have to travel from Delhi to Kanpur in their respective cars. Ritesh is driving at 66 km/hr while Gauri is driving at 99 km/hr. Find the time taken by Gauri to reach Kanpur if Ritesh takes 9 hours.

Ans

☐ 1. 12 hours

☐ 2. 13 hours

☒ 3. 6 hours

☐ 4. 2 hours

Q.5 The product of two consecutive positive natural numbers is 182. The greater of the two numbers is:

Ans

☐ 1. 27

☒ 2. 14

☐ 3. 7

☐ 4. 26

Q.6 The number 630605 is divisible by which of the following?

Ans

☒ 1. 5

☐ 2. 7

☐ 3. 14

☐ 4. 3

Q.7 Find the surface area of a sphere whose diameter is equal to 22 cm.

Ans

☒ 1. $484\pi \text{ cm}^2$

☐ 2. $502\pi \text{ cm}^2$

☐ 3. $153\pi \text{ cm}^2$

☐ 4. $1019\pi \text{ cm}^2$

Q.8 If the 6-digit number N46M37 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

Ans

☐ 1. $M = N$

☐ 2. $M + N = 2$

☐ 3. $M - N = 1$

☒ 4. $M - N = -2$



Q.9 A train of length 490 m overtakes a man moving at a speed of 9 km/hr (in the same direction) in 12 seconds. How much time (in seconds) will it take this train to completely cross another train that has is 500 m long, moving in the opposite direction at a speed of 42 km/hr?

- Ans**
- ☐ 1. 25
 - ☐ 2. 36
 - ☒ 3. 18
 - ☐ 4. 32

Q.10 A computer is marked at ₹70,000 and a discount of 16% is offered on it. An additional discount is offered to students. If a student pays ₹57,036 for the computer, then how much additional discount percentage did the student receive?

- Ans**
- ☐ 1. 7%
 - ☐ 2. 5%
 - ☐ 3. 2%
 - ☒ 4. 3%

Q.11 An amount of ₹402 is divided among three persons in the ratio of 13 : 8 : 9. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans**
- ☐ 1. 56
 - ☐ 2. 100
 - ☒ 3. 67
 - ☐ 4. 136

Q.12 A vendor claims to sell wheat at a loss of 65%, but he cheats by using weights that are 70% less than the stated weight. What is his actual profit percentage (round off to two decimal places)?

- Ans**
- ☐ 1. 7.43%
 - ☒ 2. 16.67%
 - ☐ 3. 11.62%
 - ☐ 4. 15.18%

Q.13 *By how much is 65% of 65 greater than $\frac{1}{5}$ of 35?*

- Ans**
- ☒ 1. 35.25
 - ☐ 2. 33.25
 - ☐ 3. 32.25
 - ☐ 4. 29.25

Q.14 What is the mode of the following data?
87, 65, 70, 81, 68, 62, 82, 78, 81, 82, 74, 75, 90, 67, 86, 86, 81, 90, 69, 78, 65, 78, 76, 63, 70, 81

- Ans**
- ☒ 1. 81
 - ☐ 2. 70
 - ☐ 3. 65
 - ☐ 4. 87

Q.15 If the 6-digit number N23M40 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans**
- ☒ 1. $M - N = 5$
 - ☐ 2. $M + N = -5$
 - ☐ 3. $M = N$
 - ☐ 4. $M - N = 1$



Q.16 Sapna invested ₹21,200 on simple interest, partly at the rate of 13% per annum and partly at the rate of 3% per annum. If she earns equal interests from the two investments after 8 years, then find the sum invested at the rate of 13% per annum (in ₹).

- Ans**
- ☒ 1. 3,975
 - ☐ 2. 3,972
 - ☐ 3. 3,973
 - ☐ 4. 3,976

Q.17 I bought two bicycles for ₹1,200. I sold the first one at a loss of 10% and the second at a gain of 20%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first bicycle.

- Ans**
- ☐ 1. 784
 - ☐ 2. 820
 - ☒ 3. 800
 - ☐ 4. 824

Q.18 The current population of a town is 10,630. It increases by 25% and 50% in two successive years but decreases by 68% in the third year. What is the population of the town at the end of the third year?

- Ans**
- ☐ 1. 6376
 - ☐ 2. 6374
 - ☐ 3. 6380
 - ☒ 4. 6378

Q.19 If $\frac{\sin A + \cos A}{\cos A} = \frac{17}{12}$, then find the value of $\sin A$ and $\cos A$ respectively.

- Ans**
- ☐ 1. $\frac{13}{5}, \frac{13}{12}$
 - ☒ 2. $\frac{5}{13}, \frac{12}{13}$
 - ☐ 3. $\frac{5}{17}, \frac{5}{16}$
 - ☐ 4. $\frac{17}{5}, \frac{16}{5}$

Q.20 A sum of money triples itself at a certain rate of compound interest in 8 years. In how many years will it amount to 9 times of itself?

- Ans**
- ☐ 1. 10 years
 - ☐ 2. 17 years
 - ☐ 3. 9 years
 - ☒ 4. 16 years

Q.21 Given that $50^{0.92} = x$, $50^{0.26} = y$ and $x^z = y^3$, then the value of z is close to:

- Ans**
- ☐ 1. 0.39
 - ☐ 2. 0.83
 - ☒ 3. 0.85
 - ☐ 4. 3.85

Q.22 Which of the following numbers is divisible by 5?

- Ans**
- ☐ 1. 7132956
 - ☐ 2. 6175753
 - ☒ 3. 7048030
 - ☐ 4. 6567359



Q.23 Abdul and Mohsin together invested ₹76,800 in a business. At the end of the year, out of a total profit of ₹19,000, Mohsin's share was ₹3,800. What was the difference between their investments?

- Ans**
- ☐ 1. ₹46,300
 - ☐ 2. ₹45,780
 - ☐ 3. ₹44,260
 - ☒ 4. ₹46,080

Q.24 Which of the following ratios is the greatest?

- Ans**
- ☐ 1. 28 : 74
 - ☐ 2. 45 : 85
 - ☐ 3. 33 : 72
 - ☒ 4. 40 : 53

Q.25 The average of first 153 even numbers is

- Ans**
- ☐ 1. 153.5
 - ☒ 2. 154
 - ☐ 3. 155
 - ☐ 4. 154.5

Q.26 Simplify the given expression.

$$x(7x - 5) + 7(x^2 - 2) + 18$$

- Ans**
- ☐ 1. $14x^2 - 5x - 4$
 - ☐ 2. $-14x^2 - 5x - 4$
 - ☒ 3. $14x^2 - 5x + 4$
 - ☐ 4. $-14x^2 - 5x + 4$

Q.27 6 men can complete a piece of work in 8 days, while 3 women can do it in 18 days. In how many days can 9 women and 8 men complete this work?

- Ans**
- ☐ 1. 8 days
 - ☐ 2. 1 day
 - ☒ 3. 3 days
 - ☐ 4. 6 days

Q.28 The marked price of a watch is ₹3,480. It is sold for ₹2,958. The rate of discount is _____.

- Ans**
- ☒ 1. 15%
 - ☐ 2. 17%
 - ☐ 3. 13%
 - ☐ 4. 10%

Q.29 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 54^\circ$. E is a point on BC such that $\angle CAE = 72^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☐ 1. 100°
 - ☐ 2. 98°
 - ☐ 3. 95°
 - ☒ 4. 108°



Q.30 Evaluate: $(-9) - (-60) \div (-6) + (-4) \times 9$

Ans  1. -57

 2. -55

 3. -58

 4. -54

Section : **General Intelligence and Reasoning**

Q.1 What should come in place of ? in the given series based on the English alphabetical order?

UXX VSU WNR ? YDL

Ans  1. XLV

 2. XIO

 3. WLZ

 4. PSL

Q.2 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) + @ & ? % \ ? + < # 8 \$ 1 % % 5 2 4 9 ^ 7 (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

Ans  1. Three

 2. Five

 3. One

 4. Two

Q.3 In a certain code language, 'LUMA' is coded as '5796' and 'MALI' is coded as '8569'.
What is the code for 'I' in that language?

Ans  1. 8

 2. 9

 3. 5

 4. 6

Q.4 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

GULF – FLGU – GLUF

ALTS – STAL – ATLS

Ans  1. SICK – KCSI – SCIK

 2. LIMB – IMLB – IMBL

 3. CALF – FLCA – ALCF

 4. FINE – FNIE – ENIF



Q.5 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

All Peaches are Pineapples.
All Pineapples are Lemons.

Conclusions:

I. No Lemons are Peaches.
II. Some Lemons are Peaches.

- Ans**
- ✓ 1. Only conclusion (II) follows.
 - ✗ 2. Both conclusions (I) and (II) follow.
 - ✗ 3. Neither conclusion (I) nor (II) follows.
 - ✗ 4. Only conclusion (I) follows.

Q.6 If 1 is added to each even digit of the number 36719542, then how many digits are repeated more than once in the new number formed?

- Ans**
- ✗ 1. One
 - ✗ 2. None
 - ✓ 3. Three
 - ✗ 4. Two

Q.7 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✗ 1. TWA
 - ✓ 2. HLO
 - ✗ 3. JMQ
 - ✗ 4. CFJ

Q.8 UFNE is related to YCRB in a certain way based on the English alphabetical order. In the same way, CZVY is related to GWZV. To which of the given options is KTDS related, following the same logic?

- Ans**
- ✗ 1. OPGR
 - ✗ 2. NRGQ
 - ✗ 3. MPFO
 - ✓ 4. OQHP

Q.9 What should come in place of the question mark (?) in the given series?

1 2 4 7 28 33 ?

- Ans**
- ✓ 1. 198
 - ✗ 2. 199
 - ✗ 3. 197
 - ✗ 4. 196

Q.10 In a row of people all facing north, Puja is 13th from the left end. Barun is 15th from the left end. Barun is exactly between Puja and Risabh. If Risabh is 12th from the right end of the row, how many people are there in the row?

- Ans**
- ✗ 1. 30
 - ✗ 2. 25
 - ✓ 3. 28
 - ✗ 4. 27



Q.11 If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 75364812, then what will be the sum of the greatest and smallest digit in the new number thus formed?

- Ans**
- ☐ 1. 8
 - ☒ 2. 9
 - ☐ 3. 10
 - ☐ 4. 12

Q.12 Manoj ranked 26th from the top and 55th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 81
 - ☐ 2. 79
 - ☒ 3. 80
 - ☐ 4. 82

Q.13 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit. Counting to be done from left to right.

(Left) 2 Ω % 1 4 9 & 5 7 * 6 @ ? 3 # 8 £ \$ (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another number?

- Ans**
- ☐ 1. Two
 - ☒ 2. Three
 - ☐ 3. One
 - ☐ 4. Four

Q.14 XTXY is related to CYCD in a certain way based on the English alphabetical order. In the same way, GCGH is related to LHLM. To which of the given options is LHLM related, following the same logic?

- Ans**
- ☐ 1. QNPX
 - ☒ 2. QMQR
 - ☐ 3. QMPR
 - ☐ 4. QLPR

Q.15 A is the father of R. R is the mother of C. C is the son of D. G is the father of D. How is A related to G?

- Ans**
- ☐ 1. Son's wife's brother
 - ☒ 2. Son's wife's father
 - ☐ 3. Wife's father
 - ☐ 4. Wife's brother

Q.16 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. IK – BD
 - ☐ 2. YA – RT
 - ☐ 3. LN – EG
 - ☒ 4. EH – XZ



Q.17 What should come in place of the question mark (?) in the given series?

12 16 25 41 ? 102

- Ans
- ☐ 1. 62
 - ☐ 2. 50
 - ☒ 3. 66
 - ☐ 4. 56

Q.18 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

8, 25
11, 34

- Ans
- ☐ 1. 6, 17
 - ☒ 2. 15, 46
 - ☐ 3. 13, 39
 - ☐ 4. 9, 37

Q.19 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All oranges are melons.
All melons are grapes.

Conclusions:

(I) Some melons are oranges.
(II) All grapes are oranges.

- Ans
- ☐ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (II) follows.
 - ☒ 4. Only conclusion (I) follows.

Q.20 If 'P' stands for '×', 'Q' stands for '÷', 'R' stands for '−' and 'S' stands for '+', then what will come in place of the question mark (?) in the following equation?

(228 Q 12) S 69 P 3 S (216 Q 18) R 10 S 30 P 4 = ?

- Ans
- ☐ 1. 328
 - ☐ 2. 428
 - ☐ 3. 268
 - ☒ 4. 348

Q.21 In a certain code language, 'INKS' is coded as '4628' and 'NEAR' is coded as '1385'. What is the code for 'N' in the given code language?

- Ans
- ☐ 1. 5
 - ☒ 2. 8
 - ☐ 3. 6
 - ☐ 4. 1



Q.22 What should come in place of the question mark (?) in the given series?
26, 21, 11, -4, -24, ?

- Ans**
- ☐ 1. -54
 - ☐ 2. 57
 - ☒ 3. -49
 - ☐ 4. 49

Q.23 Ajay starts from Point A and drives 11 km towards North. He then takes a right turn, drives 3 km, turns right and drives 12 km. He then takes a right turn and drives 6 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 3 km to west
 - ☐ 2. 4 km to east
 - ☒ 3. 3 km to east
 - ☐ 4. 4 km to west

Q.24 Seven people, A, B, C, D, P, Q and R, are sitting in a row, facing north. Only three people sit between A and C. Q sits to the immediate left of C. No one sits to the right of B. Only two people sit between B and Q. D sits to the immediate right of R. How many people sit between P and D?

- Ans**
- ☐ 1. Three
 - ☐ 2. Four
 - ☐ 3. One
 - ☒ 4. Two

Q.25 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. PTR
 - ☒ 2. GKH
 - ☐ 3. WAY
 - ☐ 4. NRP

Q.26 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BIP 104, ELS 97, HOV 90, KRY 83, NUB 76, ?

- Ans**
- ☐ 1. QKE 69
 - ☐ 2. MXE 69
 - ☐ 3. QYE 69
 - ☒ 4. QXE 69

Q.27 Seven people, I, J, K, L, U, V and W are sitting in a row, facing north. Only three people sit between V and J. U sits to the immediate left of J. No one sits to the right of I. Only two people sit between I and U. W sits to the immediate right of L. How many people sit between K and W?

- Ans**
- ☒ 1. Two
 - ☐ 2. Three
 - ☐ 3. Four
 - ☐ 4. One



Q.28 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 7135682, then how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. One
 - ☒ 2. Two
 - ☐ 3. Three
 - ☐ 4. None

Q.29 Mr. Tuff starts from Point A and drives 7 km towards the east. He then takes a left turn and drives 2 km, then turns left and drives 9 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ 1. 8 km to the west
 - ☒ 2. 7 km to the north
 - ☐ 3. 7 km to the south
 - ☐ 4. 6 km to the south

Q.30 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept below G. Only one box is kept above A. Only one box is kept between A and E. B is kept immediately above D. C is kept at some place below F. How many boxes are kept below A?

- Ans**
- ☒ 1. 5
 - ☐ 2. 3
 - ☐ 3. 4
 - ☐ 4. 2





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	20/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 In which state did the Indian Army conduct the tri-service integrated multi-domain warfare exercise, 'Prachand Prahaar', in March 2025?

- Ans**
- ☒ 1. Meghalaya
 - ☒ 2. Sikkim
 - ☒ 3. Assam
 - ☒ 4. Arunachal Pradesh

Q.2 Which international observance, celebrated on 3 March 2025, had the theme 'Wildlife Conservation Finance: Investing in People and Planet'?

- Ans**
- ☒ 1. International Day for Biological Diversity
 - ☒ 2. World Environment Day
 - ☒ 3. Earth Day
 - ☒ 4. World Wildlife Day

Q.3 Which Delhi Sultan captured Bukka and Harihara after the fall of the Kakatiya Kingdom?

- Ans**
- ☒ 1. Firoz Shah Tughlaq
 - ☒ 2. Balban
 - ☒ 3. Muhammad bin Tughlaq
 - ☒ 4. Alauddin Khalji

Q.4 Which mountain is located in South America?

- Ans**
- ☒ 1. Rockies
 - ☒ 2. Alps
 - ☒ 3. Vosges
 - ☒ 4. Andes

Q.5 Which author released 'The Himalaya in a Small House' in 2025, chronicling life in a Himalayan village?

- Ans**
- ☒ 1. Amitav Ghosh
 - ☒ 2. Ruskin Bond
 - ☒ 3. Anuradha Roy
 - ☒ 4. Namita Gokhale



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Q.6 Which of the following is India's first cheetah conservation breeding centre, approved by the Central Zoo Authority (CZA) in 2024?

- Ans**
- ☒ 1. Gandhi Sagar Wildlife Sanctuary
 - ☒ 2. Banni grasslands
 - ☒ 3. Bandhavgarh National Park
 - ☒ 4. Tadoba National Park

Q.7 According to the Census of India 2011, which is the most Urbanised state of India?

- Ans**
- ☒ 1. Kerala
 - ☒ 2. Goa
 - ☒ 3. Punjab
 - ☒ 4. Haryana

Q.8 Which of the following options lies between the Western Ghats and the Arabian Sea?

- Ans**
- ☒ 1. Malwa Plateau
 - ☒ 2. Deccan Plateau
 - ☒ 3. Eastern Coastal Plain
 - ☒ 4. Western Coastal Plain

Q.9 During which of the following dynasties was the Kailasa Temple at Ellora built?

- Ans**
- ☒ 1. Cholas
 - ☒ 2. Chalukyas
 - ☒ 3. Pallavas
 - ☒ 4. Rashtrakutas

Q.10 As of May 2025, former cricketer Harbhajan Singh represents which political party in the Rajya Sabha?

- Ans**
- ☒ 1. Aam Aadmi Party
 - ☒ 2. Bharatiya Janata Party
 - ☒ 3. Indian National Congress
 - ☒ 4. Shiromani Akali Dal (Badal)

Q.11 Which of the following shortcut keys is used to switch between open applications in Windows?

- Ans**
- ☒ 1. Alt + Ins
 - ☒ 2. Alt + F4
 - ☒ 3. Alt + Del
 - ☒ 4. Alt + Tab

Q.12 The Sarkaria Commission primarily focussed on strengthening which type of federalism in India?

- Ans**
- ☒ 1. Co-operative federalism
 - ☒ 2. Fiscal federalism
 - ☒ 3. Unitary federalism
 - ☒ 4. Competitive federalism

Q.13 Liberalisation reduced government control over economic activities. What did liberalisation in 1991 primarily aim to eliminate?

- Ans**
- ☒ 1. Banking services
 - ☒ 2. Industrial licensing and quota system
 - ☒ 3. Public sector employment
 - ☒ 4. Agricultural subsidies



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Q.14 Under Article 244(2) of the Constitution of India, the provisions of the Sixth Schedule apply to the administration of tribal areas in which of the following sets of States?

- Ans**
- ☒ 1. Gujarat, Madhya Pradesh, Rajasthan and Chhattisgarh
 - ☒ 2. Assam, Meghalaya, Tripura and Mizoram
 - ☒ 3. Nagaland, Manipur, Meghalaya and Arunachal Pradesh
 - ☒ 4. Bihar, Odisha, West Bengal and Assam

Q.15 How many mutually independent base quantities are there in the current International System of Units (SI)?

- Ans**
- ☒ 1. 7
 - ☒ 2. 10
 - ☒ 3. 6
 - ☒ 4. 13

Q.16 Which of the following Indian states received a World Bank loan of ₹2,424 crore to upgrade healthcare?

- Ans**
- ☒ 1. Gujarat
 - ☒ 2. Andhra Pradesh
 - ☒ 3. Rajasthan
 - ☒ 4. Kerala

Q.17 Which of the following Fundamental Rights is guaranteed under Article 14 of the Indian Constitution?

- Ans**
- ☒ 1. Equality before the law
 - ☒ 2. Right to freedom of religion
 - ☒ 3. Prohibition of child labour
 - ☒ 4. Protection of life and personal liberty

Q.18 Identify the correct combination of the abbreviation, its full form and its application.

- Ans**
- ☒ 1. CD – Compact Disk – Used for high-speed internet access
 - ☒ 2. ASCII – Automated Symbolic Code for Integrated Input – Converts images to code
 - ☒ 3. ASCII – American Standard Code for Information Interchange – Encodes text in computers
 - ☒ 4. LAN – Large Area Network – Used for connecting computers across continents

Q.19 Who among the following officials was responsible for maintaining law and order in a village during Sher Shah's administration?

- Ans**
- ☒ 1. Qazi
 - ☒ 2. Muqaddam
 - ☒ 3. Shiqqdar
 - ☒ 4. Fotedar

Q.20 Where is the primary focus of the Sampoorna Grameen Rozgar Yojana (SGRY)?

- Ans**
- ☒ 1. Urban areas
 - ☒ 2. Coastal areas
 - ☒ 3. Industrial areas
 - ☒ 4. Rural areas

Q.21 Which undersea defence weapon was successfully trialed by the Indian Navy in May 2025?

- Ans**
- ☒ 1. Deep-Sea Explosive
 - ☒ 2. Hydro Depth Torpedo
 - ☒ 3. Submarine Neutralizer
 - ☒ 4. Multi-Influence Ground M



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Q.22 The main reason for the Partition of India in 1947 was ____.

- Ans**
- ✓ 1. Communal tensions and political disagreements
 - ✗ 2. Language dispute
 - ✗ 3. British administrative failure
 - ✗ 4. Social and Economic differences in community

Q.23 Which of the following rivers belongs to the Peninsular Plateau?

- Ans**
- ✓ 1. Krishna river
 - ✗ 2. Lohit river
 - ✗ 3. Beas river
 - ✗ 4. Dibang river

Q.24 At the Doha Diamond League 2025, after throwing beyond 90 metres, Neeraj Chopra achieved which historic distinction for Indian athletics?

- Ans**
- ✗ 1. He broke the world record for the longest javelin throw.
 - ✓ 2. He became the 1st Indian athlete to surpass the 90-metre mark in javelin throw.
 - ✗ 3. He became the 3rd Indian athlete to surpass the 90-metre mark in javelin throw.
 - ✗ 4. He became the 2nd Indian athlete to surpass the 90-metre mark in javelin throw.

Q.25 Which of the following is the most abundant protein in the biosphere?

- Ans**
- ✗ 1. GLUT-4
 - ✗ 2. Collagen
 - ✓ 3. RuBisCO
 - ✗ 4. Myosin

Q.26 In which of the following years did Lord Curzon pass the Indian Universities Act, imposing strict control over Indian universities?

- Ans**
- ✗ 1. 1886
 - ✗ 2. 1897
 - ✓ 3. 1904
 - ✗ 4. 1889

Q.27 With which of the following countries has Armenia signed a peace treaty in March 2025?

- Ans**
- ✗ 1. Georgia
 - ✓ 2. Azerbaijan
 - ✗ 3. Turkey
 - ✗ 4. Syria

Q.28 The Fifth Schedule of the Indian Constitution contains provisions for the administration and control of which of the following?

- Ans**
- ✓ 1. Scheduled Areas and Scheduled Tribes
 - ✗ 2. Official languages of India
 - ✗ 3. Union and State Lists of the Seventh Schedule
 - ✗ 4. Disqualification of legislators on grounds of defection

Q.29 What does Section 498A of the Indian Penal Code (IPC) deal with?

- Ans**
- ✗ 1. Dowry death
 - ✗ 2. Domestic violence protection
 - ✓ 3. Cruelty by husband or his relatives towards a woman
 - ✗ 4. Child marriage



Q.30 As of March 14, 2024, which of the following is Asia's longest tunnel?

- Ans**
- ☐ 1. Pir Panjal Railway Tunnel
 - ☒ 2. Zojila Tunnel
 - ☐ 3. Tike Tunnel
 - ☐ 4. Natuwadi Tunnel

Q.31 Which of the following kitchen chemicals is commonly used to preserve pickles?

- Ans**
- ☒ 1. Vinegar
 - ☐ 2. Yeast
 - ☐ 3. Baking soda
 - ☐ 4. Sugar

Q.32 When was the Real Estate (Regulation and Development) Act (RERA) enacted to regulate and promote the real estate sector, ensuring transparency and accountability in transactions and protecting the interests of homebuyers?

- Ans**
- ☐ 1. 2020
 - ☒ 2. 2016
 - ☐ 3. 2018
 - ☐ 4. 2012

Q.33 Who administers the oath of office to the Governor?

- Ans**
- ☐ 1. President
 - ☐ 2. Vice-President
 - ☒ 3. Chief Justice of High Court
 - ☐ 4. Chief Minister

Q.34 Which Indian think tank organised the 2025 World Sustainable Development Summit (WSDS)?

- Ans**
- ☐ 1. The Energy and Resource Institute (TERI)
 - ☐ 2. Centre for Science and Environment (CSE)
 - ☒ 3. National Institution for Transforming India (NITI) Aayog
 - ☐ 4. Research and Information System (RIS)

Q.35 VARUNA is a bilateral naval exercise between India and:

- Ans**
- ☐ 1. the US
 - ☐ 2. South Korea
 - ☒ 3. France
 - ☐ 4. the UK

Q.36 What was the outcome of the 2025 Delhi Legislative Assembly elections?

- Ans**
- ☐ 1. AAP retained power with an increased majority.
 - ☒ 2. BJP won a majority, forming the government.
 - ☐ 3. Hung assembly; a coalition was formed between BJP and Congress.
 - ☐ 4. Congress won for the first time in over a decade.

Q.37 When was the Community Development Programme (CDP) launched in India?

- Ans**
- ☐ 1. 1 July 1951
 - ☒ 2. 2 October 1952
 - ☐ 3. 1 January 1947
 - ☐ 4. 1 March 1950



Q.38 The names of Dora Bisoi and Chakra Bisoi are associated with the uprising against political unrest, the unsuitability of British laws and regulations and the economic suffering of the Khonds in _____.

- Ans**
- ☐ 1. Eluru, Andhra Pradesh
 - ☐ 2. Mandawa, Rajasthan
 - ☒ 3. Ghumusar, Odisha
 - ☐ 4. Jandiala, Punjab

Q.39 Which Indian football club won the 2025 Kalinga Super Cup?

- Ans**
- ☐ 1. Jamshedpur FC
 - ☒ 2. FC Goa
 - ☐ 3. Bengaluru FC
 - ☐ 4. ATK Mohun Bagan

Q.40 Which Indian city is home to the Motilal Nehru National Institute of Technology (MNNIT), where research on lightning impact on planes is being conducted?

- Ans**
- ☒ 1. Prayagraj
 - ☐ 2. Lucknow
 - ☐ 3. Varanasi
 - ☐ 4. Kanpur

Section : Mathematics

Q.1 The number of prime numbers lying between 476 and 485, both included, is:

- Ans**
- ☐ 1. 2
 - ☒ 2. 1
 - ☐ 3. 4
 - ☐ 4. 6

Q.2 A shopkeeper is given a 10% trade discount and a 5% scheme discount (free units). On purchasing 100 units priced at ₹50 each, what is the trade discount amount?

- Ans**
- ☒ 1. ₹500
 - ☐ 2. ₹250
 - ☐ 3. ₹1,000
 - ☐ 4. ₹700

Q.3 5 men can complete a piece of work in 18 days, while 9 women can do it in 5 days. In how many days can 3 women and 3 men complete this work?

- Ans**
- ☐ 1. 5 days
 - ☒ 2. 10 days
 - ☐ 3. 7 days
 - ☐ 4. 8 days

Q.4 By how much is 65% of 65 greater than $\frac{4}{5}$ of 15?

- Ans**
- ☐ 1. 24.25
 - ☐ 2. 28.25
 - ☐ 3. 27.25
 - ☒ 4. 30.25



Q.5 A discount of 13% on the marked price of an article is allowed and then the article is sold for ₹348. The marked price of the article is:

- Ans**
- ☐ 1. ₹392
 - ☐ 2. ₹420
 - ☐ 3. ₹380
 - ☒ 4. ₹400

Q.6 If 36% of first number is equal to four-sevenths of second number, what is the ratio of first number to the second number?

- Ans**
- ☐ 1. 95 : 60
 - ☒ 2. 100 : 63
 - ☐ 3. 99 : 62
 - ☐ 4. 104 : 61

Q.7 Kushal and Brijesh together invested ₹37,100 in a business. At the end of the year, out of a total profit of ₹12,000, Brijesh's share was ₹5,700. What was the difference between their investments?

- Ans**
- ☒ 1. ₹1,855
 - ☐ 2. ₹1,742
 - ☐ 3. ₹3,438
 - ☐ 4. ₹2,347

Q.8 A trader claims to sell grains at a profit of 29%, but also dishonestly uses a weight which is 13% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)

- Ans**
- ☐ 1. 50%
 - ☐ 2. 43%
 - ☒ 3. 48%
 - ☐ 4. 49%

Q.9 The product of two consecutive natural numbers is 6. The greater of the two numbers is:

- Ans**
- ☐ 1. 2
 - ☐ 2. 19
 - ☒ 3. 3
 - ☐ 4. 5

Q.10 The average of first 152 odd natural numbers, is:

- Ans**
- ☐ 1. 152.5
 - ☐ 2. 153
 - ☒ 3. 152
 - ☐ 4. 151.5

Q.11 If $\frac{\sin\alpha + \cos\alpha}{\sin\alpha - \cos\alpha} = 3$, then the value of $\sin^2\alpha$ is:

- Ans**
- ☐ 1. $\frac{3}{5}$
 - ☐ 2. $\frac{2}{5}$
 - ☒ 3. $\frac{4}{5}$
 - ☐ 4. $\frac{1}{5}$



Q.12 The population of a district is 329000, out of which 209000 are males. 44% of the population is literate. If 44% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 42%
 - ☐ 2. 45%
 - ☒ 3. 44%
 - ☐ 4. 46%

Q.13 Train A leaves station M at 8:00 a.m. and reaches station N at 3:00 p.m. on the same day. Train B leaves station N at 10:00 a.m. and reaches station M at 3:00 p.m. on the same day. Find the time when Trains A and B meet.

- Ans**
- ☐ 1. 5:46 a.m.
 - ☒ 2. 12:05 p.m.
 - ☐ 3. 11:14 a.m.
 - ☐ 4. 6:47 a.m.

Q.14 A, B and C invest a sum in the ratio of 61 : 43 : 90, respectively. If they earned a total profit of ₹2,910 at the end of the year, then what is the difference between share of B and C?

- Ans**
- ☐ 1. ₹753
 - ☒ 2. ₹705
 - ☐ 3. ₹807
 - ☐ 4. ₹633

Q.15 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 20^\circ$ and $\angle BAC = 131^\circ$, then what is the measure of $\angle ACD$ (in degree)?

- Ans**
- ☐ 1. 111°
 - ☐ 2. 128°
 - ☒ 3. 122°
 - ☐ 4. 113°

Q.16 A sum of ₹2,500 is invested in a bank at 2% interest per annum compounded annually. On maturity, the amount payable becomes ₹2,601. Find the time period of the investment.

- Ans**
- ☒ 1. 2 years
 - ☐ 2. 1 year
 - ☐ 3. 2.5 years
 - ☐ 4. 1.5 years

Q.17 Evaluate: $(-9) - (-60) \div (-10) + (-3) \times 8$

- Ans**
- ☐ 1. -42
 - ☐ 2. -38
 - ☒ 3. -39
 - ☐ 4. -41

Q.18 The average price of three items of furniture is ₹16,050. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

- Ans**
- ☐ 1. 7,490
 - ☒ 2. 9,630
 - ☐ 3. 5,350
 - ☐ 4. 3,210



Q.19 A cylindrical rod has an outer curved surface area of 1800 cm^2 . If the length of the rod is 52 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

Take $\pi = \frac{22}{7}$.

- Ans**
- ☐ 1. 6.32
 - ☒ 2. 5.51
 - ☐ 3. 5.37
 - ☐ 4. 6.69

Q.20 The sum of two numbers is 80 and their L.C.M. is 558. What are the two numbers?

- Ans**
- ☐ 1. 16, 64
 - ☒ 2. 18, 62
 - ☐ 3. 23, 57
 - ☐ 4. 11, 69

Q.21 The number 788973289 is divisible by which of the following?

- Ans**
- ☐ 1. 12
 - ☐ 2. 7
 - ☒ 3. 13
 - ☐ 4. 18

Q.22 Find the simple interest (in ₹) if a sum of ₹400 is borrowed for 4.5 years at 8% per annum rate of interest.

- Ans**
- ☐ 1. 124
 - ☐ 2. 194
 - ☒ 3. 144
 - ☐ 4. 244

Q.23 56 tube lights were purchased for ₹56, and 20 tube lights broke in transit. The trader sold the remaining tube lights at ₹4.60 each. Find his profit.

- Ans**
- ☐ 1. ₹112.50
 - ☐ 2. ₹112.60
 - ☒ 3. ₹109.60
 - ☐ 4. ₹120.80

Q.24 A spherical tank has a diameter of 10 metres. What is the volume of the spherical tank? (Use $\pi = 3.141$)

- Ans**
- ☐ 1. 423.5 cubic metre
 - ☒ 2. 523.5 cubic metre
 - ☐ 3. 492.6 cubic metre
 - ☐ 4. 504.8 cubic metre



Q.25 A can lay railway track between two given stations in 16 days and B can do the same job in 11 days. With the help of C, they did the job in 3 days only. Then, C alone can do the job in

Ans

☐ 1. $9\frac{53}{95} \text{ days}$

☐ 2. $13\frac{53}{95} \text{ days}$

☒ 3. $5\frac{53}{95} \text{ days}$

☐ 4. $11\frac{53}{95} \text{ days}$

Q.26 Simplify the following.

$$4\left(\left(\frac{3}{4}\right)x^2 - 26x + 17\right) - 3(x^2 + 4x - 14)$$

Ans

☒ 1. $-116x + 110$

☐ 2. $-116x - 110$

☐ 3. $116x - 10$

☐ 4. $116x + 110$

Q.27 7 years ago, the age of a father was 13 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

Ans

☐ 1. 4

☐ 2. 8

☐ 3. 7

☒ 4. 6

Q.28 What smallest number should be added to 57846 so that the sum is completely divisible by 58?

Ans

☒ 1. 38

☐ 2. 43

☐ 3. 41

☐ 4. 42

Q.29 A bus travelling at 95 km/hr completes a journey in 10 hours. What should be in its speed to cover the same distance in 5 hours?

Ans

☒ 1. 190 km/hr

☐ 2. 182 km/hr

☐ 3. 187 km/hr

☐ 4. 193 km/hr

Q.30 Find the value of: $[836 \div \{30 + 2 \times (7 - 3)\}]$.

Ans

☐ 1. 20

☐ 2. 21

☒ 3. 22

☐ 4. 27



Q.1 What should come in place of the question mark (?) in the given series?

12 21 40 69 108 ?

- Ans
- ☒ 1. 157
 - ☐ 2. 143
 - ☐ 3. 137
 - ☐ 4. 149

Q.2 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept below G. Only two boxes are kept between G and F. Only B is kept above D. E is kept at some place below A and at some place above C. How many boxes are kept above A?

- Ans
- ☐ 1. Four
 - ☒ 2. Two
 - ☐ 3. Three
 - ☐ 4. One

Q.3 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

UWZ SUX QSV OQT ?

- Ans
- ☐ 1. MOS
 - ☐ 2. MPS
 - ☒ 3. MOR
 - ☐ 4. MPR

Q.4 In a certain code language, 'close your window' is written as 'mb tb jb' and 'door or window' is coded as 'lk mb fb'. How is 'window' coded in the given language?

- Ans
- ☒ 1. mb
 - ☐ 2. lk
 - ☐ 3. fb
 - ☐ 4. tb

Q.5 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All triangle are rectangle. All square are rectangle.

Conclusion (I): Some triangle are square.

Conclusion (II): Some rectangle are square.

- Ans
- ☐ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Only conclusion (I) follows.
 - ☐ 3. Both conclusions (I) and (II) follow.
 - ☒ 4. Only conclusion (II) follows.

Q.6 In a certain code language,
A \$ B means 'A is the son of B'
A + B means 'A is the brother of B'
A @ B means 'A is the wife of B'
A ÷ B means 'A is the father of B'
Based on the above, how is E related to N if 'E \$ F @ G ÷ M + N'?

- Ans
- ☐ 1. Mother
 - ☐ 2. Sister
 - ☐ 3. Father
 - ☒ 4. Brother



Q.7 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GMR AGL UAF OUZ ?

- Ans**
- ☐ 1. TIO
 - ☐ 2. TOI
 - ☐ 3. ITO
 - ☒ 4. IOT

Q.8 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 3 * 8 & @ 9 \$ 1 & 5 Ω 6 # 7 % 4 £ 2 (Right)

How many such symbols are there, each of which is immediately preceded by an odd number but NOT immediately followed by an even number?

- Ans**
- ☐ 1. More than two
 - ☐ 2. One
 - ☒ 3. Two
 - ☐ 4. None

Q.9 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.
ROAM – MORA – OARM
CRIB – BRCI – RICB

- Ans**
- ☐ 1. PING – PNIG – GNIP
 - ☒ 2. FUME – EUFM – UMFE
 - ☐ 3. SONG – OSNG – GONS
 - ☐ 4. GUYS – SUGY – YUGS

Q.10 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. KN-GI
 - ☐ 2. SV-OQ
 - ☐ 3. OR-KM
 - ☒ 4. VY-RS

Q.11 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '–', what will come in place of the question mark (?) in the following equation?

10 B 3 D 27 C 18 A 2 = ?

- Ans**
- ☐ 1. 18
 - ☐ 2. 7
 - ☐ 3. 25
 - ☒ 4. 12

Q.12 What should come in place of the question mark (?) in the given series?

6 24 27 108 111 ?

- Ans**
- ☐ 1. 303
 - ☐ 2. 393
 - ☐ 3. 409
 - ☒ 4. 444



Q.13 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All rectangles are squares.
All squares are trapezoids.

Conclusions:

- I. All trapezoids are rectangles.
II. Some trapezoids are rectangles.

- Ans**
- ☐ 1. Only conclusion (I) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Only conclusion (II) follows.

Q.14 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. SP-AV
 - ☐ 2. JG-RM
 - ☐ 3. QN-YT
 - ☒ 4. BY-JF

Q.15 Seven boxes V, W, X, Y, Z, Q and R are kept one over the other but not necessarily in the same order. V is kept second from the bottom. Only three boxes are kept between V and Y. Z is kept at one of the positions below V. Only Q is kept between Y and R. W is kept at one of the positions above Y. How many boxes are kept between X and Y?

- Ans**
- ☐ 1. Three
 - ☐ 2. Four
 - ☒ 3. Two
 - ☐ 4. One

Q.16 Hriday ranked 26th from the top and 38th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 61
 - ☒ 2. 63
 - ☐ 3. 64
 - ☐ 4. 62

Q.17 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. SO-LQ
 - ☐ 2. PL-IN
 - ☐ 3. VR-OT
 - ☒ 4. MI-FL



Q.18 What will come in place of '?' in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$8 \div 6 + 78 \times 6 - 17 = ?$$

- Ans**
- ☒ 1. 52
 - ☐ 2. 66
 - ☐ 3. 45
 - ☐ 4. 59

Q.19 WPKD is related to BUPI in a certain way based on the English alphabetical order. In the same way, QJEX is related to VOJC. To which of the given options is FYTM related, following the same logic?

- Ans**
- ☒ 1. KDYR
 - ☐ 2. KDRY
 - ☐ 3. KYRD
 - ☐ 4. KYDR

Q.20 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 9 4 4 @ 6 9 5 # * + 4 9 % \ & + < > > ^ # (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by another number?

- Ans**
- ☐ 1. None
 - ☐ 2. Three
 - ☐ 3. One
 - ☒ 4. Two

Q.21 Person X starts from point A and drives 5 km towards the south. He then takes a left turn, drives 5 km, turns right and drives 5 km. He then takes a right turn and drives 7 km. He then takes a right turn, drives 10 km. He then takes a final left turn and drives 3 km and stops at point B. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90 degrees unless specified)

- Ans**
- ☐ 1. 5 km west
 - ☒ 2. 5 km east
 - ☐ 3. 3 km south
 - ☐ 4. 5 km south

Q.22 Manoj starts from Point Y and drives 16 km towards north. He then takes a right turn and drives 4 km. He then turns right and drives 16 km. He takes a final left turn, drives 4 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only, unless specified.)

- Ans**
- ☒ 1. 8 km towards west
 - ☐ 2. 4 km towards north
 - ☐ 3. 4 km towards east
 - ☐ 4. 6 km towards north



Q.23 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
27, 135
33, 165

- Ans**
- ☒ 1. 22, 110
 - ☐ 2. 35, 180
 - ☐ 3. 29, 125
 - ☐ 4. 19, 105

Q.24 A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. Only three people sit between J and L when counted from the left of J. Only three people sit between K and C when counted from the right of C. D sits to the immediate right of K. A is an immediate neighbour of C as well as L. Who sits second to the left of B?

- Ans**
- ☐ 1. K
 - ☐ 2. C
 - ☒ 3. A
 - ☐ 4. D

Q.25 What should come in place of the question mark (?) in the given series?

491 492 496 505 521 ?

- Ans**
- ☐ 1. 541
 - ☐ 2. 531
 - ☒ 3. 546
 - ☐ 4. 536

Q.26 AHJQ is related to DJMS in a certain way based on the English alphabetical order. In the same way, MPVY is related to PRYA. To which of the given options is VVEE related, following the same logic?

- Ans**
- ☐ 1. YGHJ
 - ☐ 2. YGFT
 - ☒ 3. YXHG
 - ☐ 4. YXGH

Q.27 Seven people, G, H, I, J, K, L and S, are sitting in a row facing North. Only five people sit between K and G. H sits to the immediate left of G. Only one person sits between H and S. L sits at some place to the left of J but at some place to the right of I. Who sits third from the left end of the line?

- Ans**
- ☐ 1. H
 - ☒ 2. L
 - ☐ 3. S
 - ☐ 4. I

Q.28 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 9342865, then what will be the sum of the digits that are first from the left and first from the right in the new number thus formed?

- Ans**
- ☐ 1. 9
 - ☒ 2. 10
 - ☐ 3. 8
 - ☐ 4. 7



Q.29 In a certain code language, 'MUTE' is coded as '4527' and 'TOPS' is coded as '1346'. What is the code for 'T' in that language?

- Ans**
-  1. 1
 -  2. 4
 -  3. 3
 -  4. 2

Q.30 If 1 is added to each even digit and 3 is subtracted from each odd digit in the number 6798245, what will be difference between the highest and second lowest digits thus formed?

- Ans**
-  1. 7
 -  2. 8
 -  3. 6
 -  4. 9





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	20/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 In May 2025, which Indian organisation successfully completed the 'Har Shikhar Tiranga' mission by summiting Mt. Kangchenjunga?

- Ans**
- ☒ 1. National Institute of Mountaineering and Adventure Sports
 - ☐ 2. Himalayan Club
 - ☐ 3. Indian Mountaineering Foundation
 - ☐ 4. Border Roads Organisation

Q.2 Which strategy DOES NOT promote sustainable development in agriculture?

- Ans**
- ☐ 1. Efficient irrigation systems
 - ☐ 2. Use of drought-resistant crops
 - ☒ 3. Excessive use of chemical fertilizers
 - ☐ 4. Crop rotation and organic farming

Q.3 Where was rural development particularly emphasised in the Seventh Five-Year Plan?

- Ans**
- ☐ 1. Industrial zones
 - ☐ 2. Urban centers
 - ☐ 3. Foreign markets
 - ☒ 4. Rural capital formation areas

Q.4 During which era was the Hazara Rama Temple, situated in Hampi, India, first established?

- Ans**
- ☐ 1. Early 11th century
 - ☒ 2. Early 15th century
 - ☐ 3. Early 13th century
 - ☐ 4. Early 19th century

Q.5 Which of the following schemes focuses on providing rural connectivity through all-weather roads?

- Ans**
- ☒ 1. Pradhan Mantri Gram Sadak Yojana
 - ☐ 2. Pradhan Mantri Awas Yojana–Gramin
 - ☐ 3. RURBAN Mission
 - ☐ 4. Saansad Adarsh Gram Yojana



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Q.6 As per the PIB report published on 17 April 2025, India's defence production has reached a new milestone by increasing from ₹40,000 crore in 2014 to over how much in the financial year 2023-24?

- Ans**
- ☐ 1. ₹1.33 lakh crore
 - ☐ 2. ₹1.11 lakh crore
 - ☒ 3. ₹1.27 lakh crore
 - ☐ 4. ₹1.19 lakh crore

Q.7 What is the primary aim of the National Urban Livelihoods Mission (NULM)?

- Ans**
- ☐ 1. Encouraging foreign investment in urban infrastructure
 - ☒ 2. Reducing urban poverty through skill development and self-employment
 - ☐ 3. Promoting smart cities in Tier-2 towns
 - ☐ 4. Providing subsidised housing to rural workers

Q.8 Which Article allows the President to appoint a Commission to investigate the condition of socially and educationally backward classes?

- Ans**
- ☐ 1. Article 330
 - ☐ 2. Article 332
 - ☒ 3. Article 340
 - ☐ 4. Article 342

Q.9 What is the term used for the persistence of sound in a large hall due to repeated reflections from walls and other surfaces?

- Ans**
- ☒ 1. Reverberation
 - ☐ 2. Diffraction
 - ☐ 3. Refraction
 - ☐ 4. Interference

Q.10 Bal Gangadhar Tilak gave which popular slogan to arouse nationalist sentiments among the Indians?

- Ans**
- ☐ 1. Inquilab Zindabad
 - ☐ 2. Vande Mataram
 - ☐ 3. Quit India
 - ☒ 4. Swaraj is my birthright

Q.11 Which of the following acts was aimed at establishing a federal polity in India?

- Ans**
- ☐ 1. Indian Councils Act, 1892
 - ☐ 2. Rowlatt Act, 1919
 - ☒ 3. Government of India Act, 1935
 - ☐ 4. Government of India Act, 1858

Q.12 Which of the following classical dance forms is known for storytelling through facial expressions and hand gestures, and comes from Tamil Nadu?

- Ans**
- ☒ 1. Bharatanatyam
 - ☐ 2. Kathak
 - ☐ 3. Odissi
 - ☐ 4. Kuchipudi

Q.13 What is the correct way to rename a file or folder using the right mouse button?

- Ans**
- ☐ 1. Right-click on the desktop → Select New → Rename
 - ☐ 2. Double-click on the file → Type new name
 - ☒ 3. Right-click on the file → Select Rename → Type new name → Press Enter
 - ☐ 4. Left-click on the file → Pre



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Q.14 Which is the first country to develop genome-based rice variety?

- Ans**
- ☐ 1. China
 - ☒ 2. India
 - ☐ 3. The US
 - ☐ 4. France

Q.15 Which of the following countries shares the longest land border with India?

- Ans**
- ☐ 1. Pakistan
 - ☐ 2. Nepal
 - ☒ 3. Bangladesh
 - ☐ 4. China

Q.16 Who became the first artist to win Best Male Act three times at the 2025 MOBO Awards?

- Ans**
- ☐ 1. Stormzy
 - ☐ 2. Skepta
 - ☒ 3. Central Cee
 - ☐ 4. Dave

Q.17 Which group of Indian islands lies in the Arabian Sea near the Malabar Coast and consists of coral islands?

- Ans**
- ☐ 1. Andaman Islands
 - ☐ 2. Nicobar Islands
 - ☐ 3. Sundarbans
 - ☒ 4. Lakshadweep Islands

Q.18 Which of the following sectors includes banking, communication and transport?

- Ans**
- ☐ 1. Quaternary
 - ☐ 2. Secondary
 - ☐ 3. Primary
 - ☒ 4. Tertiary

Q.19 Who was the founder of the Mauryan Empire and established a centralised administrative system?

- Ans**
- ☐ 1. Ashoka
 - ☐ 2. Bindusara
 - ☒ 3. Chandragupta Maurya
 - ☐ 4. Brihadratha

Q.20 DBW 371 (Karan Vrinda), DBW 303 (Karan Vaishnavi) and DBW 187 (Karan Vandana) are varieties of which crop in India?

- Ans**
- ☐ 1. Rice
 - ☒ 2. Wheat
 - ☐ 3. Tea
 - ☐ 4. Maize

Q.21 Who among the following bagged India's first gold medal at International Shooting Sport Federation (ISSF) Junior World Cup, Germany in May 2025?

- Ans**
- ☐ 1. Divanshi
 - ☐ 2. Parisha Gupta
 - ☐ 3. Sainyam
 - ☒ 4. Kanak



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Q.22 In Brahmadeya villages under the Pallavas, which caste predominantly managed the local Sabha assemblies?

- Ans**
- ☐ 1. Vaishyas
 - ☐ 2. Shudras
 - ☒ 3. Brahmanas
 - ☐ 4. Kshatriyas

Q.23 Who acts as the real executive head in a state?

- Ans**
- ☐ 1. Governor
 - ☒ 2. Chief Minister
 - ☐ 3. Speaker
 - ☐ 4. Advocate General

Q.24 The Central Government approved the allocation of additional how many million tonnes of rice from the Food Corporation of India (FCI) for ethanol production in May 2025?

- Ans**
- ☐ 1. 2.1 million tonnes
 - ☒ 2. 2.8 million tonnes
 - ☐ 3. 3.2 million tonnes
 - ☐ 4. 2.4 million tonnes

Q.25 What instrument is used to measure lung volumes during breathing?

- Ans**
- ☐ 1. Respirometer
 - ☐ 2. Sphygmomanometer
 - ☒ 3. Spirometer
 - ☐ 4. Barometer

Q.26 The Rajya Sabha seat distribution among states is found in which Schedule of the Indian Constitution?

- Ans**
- ☒ 1. Fourth Schedule
 - ☐ 2. Tenth Schedule
 - ☐ 3. Second Schedule
 - ☐ 4. First Schedule

Q.27 What happens when user right-clicks on an empty area of the MS Windows desktop?

- Ans**
- ☒ 1. A context menu with view and display settings is opened.
 - ☐ 2. The File Explorer is launched.
 - ☐ 3. The Task Manager opens.
 - ☐ 4. The Start Menu is displayed.

Q.28 Who became the first Indian driver to win a Formula 2 race in May 2025?

- Ans**
- ☐ 1. Arjun Maini
 - ☐ 2. Narain Karthikeyan
 - ☐ 3. Jehan Daruvala
 - ☒ 4. Kush Maini

Q.29 Which organisation introduced new guidelines in 2025 to regulate the sale of radio equipment, including walkie-talkies, on e-commerce platforms?

- Ans**
- ☐ 1. Department of Telecommunications (DoT)
 - ☒ 2. Central Consumer Protection Authority (CCPA)
 - ☐ 3. Telecom Regulatory Authority of India (TRAI)
 - ☐ 4. Ministry of Electronics and Information Technology



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Q.30 What is the codename of the Low-Level Transportable Radar (LLTR) to be procured by the Ministry of Defence (MoD) with Bharat Electronics Limited (BEL) at a cost of ₹2,906 crore in March 2025?

- Ans**
- ✓ 1. Ashwini
 - ✗ 2. Vayu
 - ✗ 3. Surya
 - ✗ 4. Indra

Q.31 The Planning Commission was the nodal body for central planning in India. Who served as the first Chairman of the Planning Commission?

- Ans**
- ✓ 1. Jawaharlal Nehru
 - ✗ 2. BR Ambedkar
 - ✗ 3. Sardar Vallabhbhai Patel
 - ✗ 4. CD Deshmukh

Q.32 What was one recommendation of the Sarkaria Commission regarding Governors?

- Ans**
- ✗ 1. Governors should be elected by States.
 - ✗ 2. Governors should be military officers.
 - ✗ 3. Governors should only be politicians.
 - ✓ 4. Governors should be non-partisan.

Q.33 Which philosophical work did Rammohan Roy write in 1803 analysing world religions through reason and social relevance?

- Ans**
- ✗ 1. Hind Swaraj
 - ✗ 2. Satyarth Prakash
 - ✓ 3. Tuhfat-ul Muwahhidin
 - ✗ 4. Precepts of Jesus

Q.34 What is the primary purpose of the Raksha Kavach system showcased by the Defence Research and Development Organisation (DRDO) on Republic Day, 2025?

- Ans**
- ✗ 1. Cyber warfare
 - ✓ 2. Multi-layered defence protection
 - ✗ 3. Ground-based artillery support
 - ✗ 4. Naval operations

Q.35 Which of the following animals is listed as endangered and protected under the Indian Wildlife Protection Act, 1972?

- Ans**
- ✗ 1. Hanuman langur
 - ✗ 2. Peacock
 - ✗ 3. Nilgai
 - ✓ 4. Lion-tailed macaque

Q.36 As per the Scheduled Castes (Rationalisation of Reservation) Act, 2025 implemented by Telangana government, what percentage of reservation will Group II get within the 15 percent quota for SC?

- Ans**
- ✗ 1. 7.5%
 - ✓ 2. 9%
 - ✗ 3. 5%
 - ✗ 4. 3%



Q.37 Which two countries signed an agreement on 22 May 2025, regarding the future of the Chagos Archipelago?

- Ans**
- ☐ 1. United Kingdom and India
 - ☐ 2. United States and Republic of Mauritius
 - ☒ 3. United Kingdom and Republic of Mauritius
 - ☐ 4. United Kingdom and Seychelles

Q.38 Provision for securing just and humane conditions of work and maternity relief comes under which Article of the Indian Constitution?

- Ans**
- ☐ 1. Article 39A
 - ☐ 2. Article 45
 - ☐ 3. Article 47
 - ☒ 4. Article 42

Q.39 Which of the following organisations in India developed the world's highest-resolution weather forecasting model in May 2025?

- Ans**
- ☐ 1. National Centre for Medium Range Weather Forecasting (NCMRWF)
 - ☒ 2. Indian Institute of Tropical Meteorology (IITM)
 - ☐ 3. India Meteorological Department (IMD)
 - ☐ 4. Indian Space Research Organisation (ISRO)

Q.40 Which of the following foods is a rich source of dietary fibre for human beings?

- Ans**
- ☐ 1. Chicken
 - ☐ 2. Cheese
 - ☐ 3. Fish
 - ☒ 4. Oats

Section : Mathematics

Q.1 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 76 kg and 36 kg is:

- Ans**
- ☐ 1. 52.4
 - ☐ 2. 53.4
 - ☒ 3. 51.4
 - ☐ 4. 50.4

Q.2 The average of first 174 even numbers is

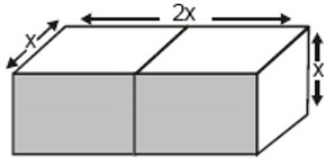
- Ans**
- ☒ 1. 175
 - ☐ 2. 176
 - ☐ 3. 175.5
 - ☐ 4. 174.5

Q.3 Pipe A can fill a tank in 13 hours, Pipe B in 27 hours, and Pipe C in 19 hours. What is the time (in hours) taken to fill the tank when all three pipes are opened together?

- Ans**
- ☐ 1. $5\frac{3}{1111}$
 - ☐ 2. $4\frac{3}{1111}$
 - ☒ 3. $6\frac{3}{1111}$
 - ☐ 4. $7\frac{3}{1111}$



Q.4 Two cubes each of volume 125 cm^3 are joined end to end. The total surface area of the resulting cuboid is:



- Ans
- ☐ 1. 160 cm^2
 - ☐ 2. 80 cm^2
 - ☐ 3. 125 cm^2
 - ☒ 4. 250 cm^2

Q.5 A vendor claims to sell wheat at a loss of 65%, but he cheats by using weights that are 70% less than the stated weight. What is his actual profit percentage (round off to two decimal places)?

- Ans
- ☐ 1. 12.93%
 - ☐ 2. 19.59%
 - ☐ 3. 11.35%
 - ☒ 4. 16.67%

Q.6 A wholesaler offers a trade discount of 15% on a product priced at ₹8,000. The customer is also eligible for a scheme discount of 5% on the already discounted price. What is the final price the customer has to pay?

- Ans
- ☐ 1. ₹6,440
 - ☐ 2. ₹6,800
 - ☒ 3. ₹6,460
 - ☐ 4. ₹6,600

Q.7 M and N started a business. M invested ₹69,000 more than N for 5 months, while N invested for 3 months. M's share is ₹720 more than that of N, out of a total profit of ₹2,160. Find the capital contributed by M.

- Ans
- ☐ 1. ₹4,14,120
 - ☒ 2. ₹4,14,000
 - ☐ 3. ₹4,14,073
 - ☐ 4. ₹4,14,100

Q.8 Find the simple interest (in ₹) on ₹4,000 at 7.5% per annum rate of interest deposited on 3 February 2024 and withdrawn on 4 April 2024.

- Ans
- ☐ 1. ₹48
 - ☐ 2. ₹51
 - ☒ 3. ₹50
 - ☐ 4. ₹49

Q.9 A man goes to Lucknow from Kanpur at a speed of 36 km/hr and returns to Kanpur at speed of 45 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans
- ☐ 1. 43
 - ☐ 2. 45
 - ☐ 3. 39
 - ☒ 4. 40



Q.10

By how much is 65% of 65 greater than $\frac{3}{5}$ of 15?

- Ans
- ☒ 1. 33.25
 - ☐ 2. 31.25
 - ☐ 3. 30.25
 - ☐ 4. 27.25

Q.11 The HCF and the LCM of two numbers are 5 and 3190, respectively. If one of the numbers is 110, find the other one.

- Ans
- ☐ 1. 155
 - ☐ 2. 135
 - ☒ 3. 145
 - ☐ 4. 165

Q.12 If the 6-digit number N00M49 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans
- ☐ 1. $M - N = 1$
 - ☒ 2. $M - N = -5$
 - ☐ 3. $M + N = 5$
 - ☐ 4. $M = N$

Q.13 Sapna invested ₹20,700 on simple interest, partly at 9% per annum and partly at 14% per annum. If she earns equal interests from the two investments after 3 years, then find the sum invested at 9% per annum (in ₹).

- Ans
- ☒ 1. 12,600
 - ☐ 2. 12,597
 - ☐ 3. 12,599
 - ☐ 4. 12,602

Q.14 In covering a distance of 52 km, Pranay takes 7 hours more than Aman. If Pranay doubles his speed, then he would take 6 hours less than Aman. Pranay's speed is:

- Ans
- ☐ 1. 10 km/hr
 - ☐ 2. 3 km/hr
 - ☒ 3. 2 km/hr
 - ☐ 4. 8 km/hr

Q.15 The volume of a cube is 1728 cm^3 . Find its total surface area (in cm^2).

- Ans
- ☐ 1. 884
 - ☐ 2. 764
 - ☒ 3. 864
 - ☐ 4. 784

Q.16 Simplify: $4\left(\left(\frac{7}{4}\right)x^2 - 27x + 19\right) - 7(x^2 + 9x - 14)$.

- Ans
- ☐ 1. $171x + 174$
 - ☐ 2. $171x - 174$
 - ☒ 3. $-171x + 174$
 - ☐ 4. $-171x - 174$



Q.17 Mohan bought some pens at the rate of ₹150/dozen. He sold them for ₹16 each. His profit percentage is ____%.

- Ans**
- ☒ 1. 28
 - ☐ 2. 30
 - ☐ 3. 26
 - ☐ 4. 32

Q.18 Which of the following numbers divides 889897?

- Ans**
- ☐ 1. 69
 - ☐ 2. 52
 - ☒ 3. 59
 - ☐ 4. 64

Q.19 The LCM of the numbers 2.1 and 0.68 is:

- Ans**
- ☒ 1. 71.4
 - ☐ 2. 0.714
 - ☐ 3. 714
 - ☐ 4. 7.14

Q.20 Evaluate: $(-9) - (-60) \div (-6) + (-4) \times 8$

- Ans**
- ☐ 1. -54
 - ☒ 2. -51
 - ☐ 3. -53
 - ☐ 4. -50

Q.21 P, Q and R invest a sum in the ratio of 3 : 53 : 24, respectively. If they earned a total profit of ₹1,280 at the end of the year, then what is the difference between share of Q and R?

- Ans**
- ☐ 1. ₹533
 - ☒ 2. ₹464
 - ☐ 3. ₹417
 - ☐ 4. ₹570

Q.22 A shopkeeper bought an article for ₹576. At what price should he mark the article to earn a profit of 15% after allowing a discount of 4%?

- Ans**
- ☐ 1. ₹636
 - ☒ 2. ₹690
 - ☐ 3. ₹685
 - ☐ 4. ₹639

Q.23 The population of a district is 373000, out of which 227000 are males. 69% of the population is literate. If 69% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 70%
 - ☒ 2. 69%
 - ☐ 3. 68%
 - ☐ 4. 67%



Q.24 The cost of 18 pens and 4 pencils is ₹200. If the cost of a pen decreases by ₹1 and the cost of a pencil increases by ₹3, then the cost of 19 pens and 3 pencils is ₹151. What is the original cost of 12 pens and 10 pencils?

- Ans**
- ☐ 1. ₹430
 - ☒ 2. ₹434
 - ☐ 3. ₹429
 - ☐ 4. ₹433

Q.25 If 77% of first number is equal to three-fourths of second number, what is the ratio of first number to the second number?

- Ans**
- ☒ 1. 75 : 77
 - ☐ 2. 74 : 75
 - ☐ 3. 73 : 82
 - ☐ 4. 72 : 73

Q.26 Find the value of $[290 \div \{17 + 7 \times (2 - 3)\}]$.

- Ans**
- ☐ 1. 25
 - ☐ 2. 24
 - ☐ 3. 26
 - ☒ 4. 29

Q.27 The value of $\frac{(1 + \sin A)(\tan A - \sec A + 1)\sec A}{\tan A + \sec A - (\sec^2 A - \tan^2 A)}$ is:

- Ans**
- ☐ 1. $\sin A$
 - ☒ 2. 1
 - ☐ 3. $\sec A$
 - ☐ 4. 0

Q.28 Two pipes can fill a cistern, individually, in 70 min and 30 min, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 28 min. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

- Ans**
- ☐ 1. 80 min
 - ☒ 2. 84 min
 - ☐ 3. 81 min
 - ☐ 4. 67 min

Q.29 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 40^\circ$ and $\angle BAC = 120^\circ$, then what is the measure of $\angle ACD$ (in degree)?

- Ans**
- ☐ 1. 144°
 - ☐ 2. 148°
 - ☒ 3. 140°
 - ☐ 4. 149°

Q.30 5 years ago, the age of a father was 14 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans**
- ☒ 1. 9
 - ☐ 2. 11
 - ☐ 3. 14
 - ☐ 4. 10



Q.1 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. WY-PY
 - ☒ 2. SU-LP
 - ☒ 3. QS-JS
 - ☒ 4. UW-NW

Q.2 Prashant ranked 11th from the bottom and 23th from the top in his class. How many students are there in his class?

- Ans**
- ☒ 1. 30
 - ☒ 2. 32
 - ☒ 3. 33
 - ☒ 4. 31

Q.3 What should come in place of the question mark (?) in the given series?

55 64 81 106 139 ?

- Ans**
- ☒ 1. 181
 - ☒ 2. 180
 - ☒ 3. 182
 - ☒ 4. 179

Q.4 Seven people, D, E, F, G, H, I and X, are sitting around a circular table facing the centre of the table. E sits to the immediate right of D. Only three people sit between E and G when counted from the left of E. Only three people sit between D and H. F sits to the immediate right of I. How many people sit between X and I when counted from the left of I?

- Ans**
- ☒ 1. Four
 - ☒ 2. Three
 - ☒ 3. One
 - ☒ 4. Two

Q.5 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

KFD : IIB
UDD : SGB

- Ans**
- ☒ 1. SCM : QFO
 - ☒ 2. VRB : TUD
 - ☒ 3. RPH : PSK
 - ☒ 4. WBI : UEG

Q.6 In a certain code language, 'FEAR' is coded as '2461' and 'THEM' is coded as '1593'. What is the code for 'E' in that language?

- Ans**
- ☒ 1. 4
 - ☒ 2. 1
 - ☒ 3. 3
 - ☒ 4. 9



Q.7 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

KPX MOU ONR ? SLL

- Ans**
- ☐ 1. SQP
 - ☐ 2. MSP
 - ☐ 3. PSQ
 - ☒ 4. QMO

Q.8 R is the brother of C. C is the brother of A. A is the mother of G. G is the son of H. How is R related to H?

- Ans**
- ☐ 1. Father
 - ☐ 2. Brother
 - ☒ 3. Wife's brother
 - ☐ 4. Wife's father

Q.9 Each of the digits in the number 7642915 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ 1. None
 - ☐ 2. Three
 - ☐ 3. Two
 - ☒ 4. One

Q.10 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit. Counting to be done from left to right.

(Left) 3 8 \$ 7 ? 5 % 4 1 Ω 2 # 6 & * 9 @ £ (Right)

How many such symbols are there, each of which is immediately preceded by an even number and also immediately followed by an odd number?

- Ans**
- ☐ 1. None
 - ☒ 2. One
 - ☐ 3. Three
 - ☐ 4. Two

Q.11 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '-' and '×' are interchanged?

$$26 + 2 \times 12 - 2 \div 16 = ?$$

- Ans**
- ☐ 1. 15
 - ☐ 2. 26
 - ☒ 3. 5
 - ☐ 4. 21

Q.12 What should come in place of the question mark (?) in the given series?

591 592 596 605 621 ?

- Ans**
- ☐ 1. 641
 - ☐ 2. 636
 - ☒ 3. 646
 - ☐ 4. 631



Q.13 Six friends, J, K, L, M, N and O, are sitting in a straight line, facing north. L sits second to the left of M, who sits to the immediate left of K. J sits to the immediate left of N. L does not sit on any of the extreme ends. Who sits second to the right of O?

- Ans**
- ☐ 1. N
 - ☐ 2. M
 - ☐ 3. J
 - ☒ 4. K

Q.14 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 4739215, what will be the difference between the greatest and smallest digits in the new number thus formed?

- Ans**
- ☒ 1. 8
 - ☐ 2. 6
 - ☐ 3. 2
 - ☐ 4. 4

Q.15 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

All Turquoises are Ochres.
All Ochres are Blues.

Conclusions:

I. No Blues are Turquoises.
II. Some Blues are Turquoises.

- Ans**
- ☒ 1. Only conclusion (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (I) follows.
 - ☐ 4. Neither conclusion (I) nor (II) follows.

Q.16 Anuj starts from Point A and drives 5 km towards north. He then takes a left turn, drives 6 km, turns left and drives 9 km. He then takes a left turn and drives 11 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 6 km to west
 - ☒ 2. 5 km to west
 - ☐ 3. 8 km to west
 - ☐ 4. 7 km to west

Q.17 GULP is related to IWOS in a certain way based on the English alphabetical order. In the same way, KYRV is related to MAUY. To which of the following is OCXB related, following the same logic?

- Ans**
- ☐ 1. PFCG
 - ☐ 2. RDZF
 - ☒ 3. QEAE
 - ☐ 4. PEBD

Q.18 What should come in place of the question mark (?) in the given series?

550 551 555 556 560 561 ? 566

- Ans**
- ☐ 1. 567
 - ☒ 2. 565
 - ☐ 3. 563
 - ☐ 4. 564



Q.19 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 9 9 5 € 2 3 £ © € * 3 4 * @ @ 1 & 7 @ £ * 1 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans
- ☒ 1. 1
 - ☒ 2. 2
 - ☒ 3. 4
 - ☒ 4. 3

Q.20 MONK is related to RTSP in a certain way based on the English alphabetical order. In the same way, GIHE is related to LNMJ. To which of the following is VXWT related, following the same logic?

- Ans
- ☒ 1. ACBY
 - ☒ 2. ACFR
 - ☒ 3. AYTR
 - ☒ 4. AVGF

Q.21 Shikhar ranked 38th from the top and 24th from the bottom in his class. How many students are there in his class?

- Ans
- ☒ 1. 60
 - ☒ 2. 62
 - ☒ 3. 61
 - ☒ 4. 63

Q.22 Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which pair DOES NOT belong to that group? (NOTE: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- ☒ 1. FM-CW
 - ☒ 2. IP-FZ
 - ☒ 3. MT-ID
 - ☒ 4. RY-OI

Q.23 In a row of 49 students facing north, Ankur is 19th from the right end. If Tinu is 11th to the left of Ankur, what is Tinu's position from the left end of the line?

- Ans
- ☒ 1. 17
 - ☒ 2. 19
 - ☒ 3. 20
 - ☒ 4. 18

Q.24 What will come in place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '-' and '×' are interchanged?

$$15 - 3 \div 21 + 3 \times 36 = ?$$

- Ans
- ☒ 1. 9
 - ☒ 2. 13
 - ☒ 3. 16
 - ☒ 4. 21



Q.25 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
18, 141
42, 165

- Ans**
- ☒ 1. 36, 159
 - ☐ 2. 24, 167
 - ☐ 3. 28, 129
 - ☐ 4. 11, 155

Q.26 Shivani starts from point A and drives 11 km towards the east. She then takes a left turn, drives 5 km, turns right and drives 5 km. She then takes a right turn and drives 7 km. She then takes a right turn, drives 7 km. She then takes a left turn and drives 10 km. She then takes a final right turn and drives 9 km and stops at point B. How far and towards which direction should she drive in order to reach point A again? (All turns are 90 degrees unless specified)

- Ans**
- ☐ 1. 10 km north
 - ☐ 2. 10 km south
 - ☒ 3. 12 km north
 - ☐ 4. 11 km north

Q.27 In a certain code language, 'PORT' is coded as '9125' and 'ROPE' is coded as '1352'. What is the code for 'E' in the given code language?

- Ans**
- ☐ 1. 2
 - ☐ 2. 5
 - ☒ 3. 3
 - ☐ 4. 1

Q.28 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. JU - OS
 - ☐ 2. GR - KP
 - ☐ 3. CN - GL
 - ☐ 4. OA - SY

Q.29 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All glasses are bowls.
All bowls are plates.

Conclusions:

(I) Some plates are bowls.
(II) All glasses are plates.

- Ans**
- ☐ 1. Only conclusion (I) follows.
 - ☐ 2. Only conclusion (II) follows.
 - ☐ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.



Q.30 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

UKM 1 SML 3 QOK 9 OQJ 27 ?

Ans  1. MTI 79

 2. MSI 81

 3. MSI 79

 4. MSJ 81



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सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	20/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 1998 में अनुमोदित कौन-सा कन्वेंशन, पीड़कनाशियों और खतरनाक रसायनों के वैश्विक व्यापार में साझा जवाबदेही और सहयोग को प्रोत्साहित करके पर्यावरण एवं मानव स्वास्थ्य की सुरक्षा का प्रयास करता है?

- Ans
- ☒ 1. पेरिस समझौता
 - ☒ 2. बेसल कन्वेंशन
 - ☒ 3. रॉटरडैम कन्वेंशन
 - ☒ 4. स्टॉकहोम कन्वेंशन

Q.2 जनवरी 2025 में सफलतापूर्वक पूरा होने वाले इसरो के किस मिशन ने दो उपग्रहों के बीच स्वायत्त डॉकिंग (autonomous docking) का प्रदर्शन किया?

- Ans
- ☒ 1. स्पैडेक्स (SPADEX)
 - ☒ 2. गगनयान (Gaganyaan)
 - ☒ 3. आदित्य-एल1 (Aditya-L1)
 - ☒ 4. चंद्रयान-3 (Chandrayaan-3)

Q.3 LAN सेटअप में, निम्नलिखित में से कौन-सा कथन सत्य है?

- Ans
- ☒ 1. LAN को सैटेलाइट संचार की आवश्यकता होती है।
 - ☒ 2. LAN का उपयोग बड़े भौगोलिक क्षेत्र में कंप्यूटरों को कनेक्ट करने के लिए किया जाता है।
 - ☒ 3. LAN, डिवाइसों के बीच प्रिंटर या फ़ाइलें साझा नहीं कर सकता है।
 - ☒ 4. LAN, घर या कार्यालय जैसे सीमित क्षेत्र में कंप्यूटरों को कनेक्ट करता है।

Q.4 फरवरी 2025 में कोच्चि में आयोजित किस शिखर सम्मेलन का उद्देश्य केरल में विभिन्न क्षेत्रों में निवेश आकर्षित करना था?

- Ans
- ☒ 1. कोच्चि निवेश शिखर सम्मेलन
 - ☒ 2. केरल निवेश शिखर सम्मेलन
 - ☒ 3. केरल विकास सम्मेलन
 - ☒ 4. केरल आर्थिक मंच

Q.5 जून 2025 में विज्ञान एवं प्रौद्योगिकी मंत्री द्वारा लॉन्च किए गए AI-आधारित भारतजेन मॉडल का प्राथमिक उद्देश्य क्या है?

- Ans
- ☒ 1. भारतीय सरकारी एजेंसियों द्वारा उपयोग किए जाने वाले विदेशी AI टूलों को प्रतिस्थापित करना
 - ☒ 2. संपूर्ण भारत एवं एशिया में AI स्टार्टअप के लिए क्लाउड सेवाएँ प्रदान करना
 - ☒ 3. भारतीय भाषाओं एवं सांस्कृतिक ढाँचों में AI को आगे बढ़ाना
 - ☒ 4. केवल स्वदेशी ऐल्गोरिथ्म का उपयोग करके क्वांटम कंप्यूटिंग विकसित करना



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Q.6 ब्रिटिश औपनिवेशिक शासन के दौरान भारत की कितनी प्रतिशत जनसंख्या अधिकांशतः गाँवों में रहती थी?

- Ans
- ☐ 1. लगभग 95%
 - ☐ 2. लगभग 65%
 - ☐ 3. लगभग 75%
 - ☒ 4. लगभग 85%

Q.7 वारली चित्रकला की विशिष्ट विशेषता क्या है?

- Ans
- ☒ 1. ज्यामितीय पैटर्न और सफेद वर्णक
 - ☐ 2. शाही दरबारों का चित्रण
 - ☐ 3. स्वर्ण पत्र का उपयोग
 - ☐ 4. चमकीले रंगों का उपयोग

Q.8 किस मामले में सर्वोच्च न्यायालय ने माना कि न्यायिक समीक्षा संविधान की एक बुनियादी विशेषता है?

- Ans
- ☐ 1. शाह बानो केस
 - ☐ 2. शंकर प्रसाद मामला
 - ☒ 3. केशवानंद भारती मामला
 - ☐ 4. गोलकनाथ केस

Q.9 निम्नलिखित में से कौन-सा भारत में, 1991 के बाद के आर्थिक सुधारों के संदर्भ में वैश्वीकरण को सर्वोत्तम रूप से परिभाषित करता है?

- Ans
- ☐ 1. बहुराष्ट्रीय कंपनियों का बंद होना
 - ☒ 2. भारतीय अर्थव्यवस्था का वैश्विक अर्थव्यवस्था के साथ एकीकरण
 - ☐ 3. विदेशी निवेश पर प्रतिबंध
 - ☐ 4. केवल घरेलू व्यापार को बढ़ावा देना

Q.10 औपनिवेशिक काल के दौरान 70-75% व्यक्ति _____ में संलग्न थे।

- Ans
- ☐ 1. लघु उद्योगों
 - ☐ 2. परिवहन क्षेत्र
 - ☐ 3. खनन गतिविधियों
 - ☒ 4. कृषि गतिविधियों

Q.11 हिंद महासागर में कितनी गर्ते (deep) मौजूद हैं?

- Ans
- ☐ 1. आठ
 - ☐ 2. नौ
 - ☐ 3. सात
 - ☒ 4. छह

Q.12 समकालीन कला में उनके अभिनव योगदान के लिए किस भारतीय कलाकार को 2025 एशिया आर्ट्स गेम चेंजर अवार्ड्स में एशिया आर्ट्स पाथब्रेकर अवार्ड (Asia Arts Pathbreaker Award) मिला?

- Ans
- ☐ 1. जयीता चटर्जी
 - ☒ 2. शिल्पा गुप्ता
 - ☐ 3. भारती खेर
 - ☐ 4. अनुपम सूद

Q.13 Which of the following is an example of a synthetic polymer used in industry?

- Ans
- ☐ 1. Starch
 - ☒ 2. Nylon-6,6
 - ☐ 3. Cellulose
 - ☐ 4. Rubber



Q.14 सितंबर 2024 में भारत की पहली वंदे भारत स्लीपर ट्रेन का अनावरण कहाँ किया गया?

- Ans
- ✓ 1. BEML कॉम्प्लेक्स, बेंगलुरु
 - ✗ 2. रेल कोच फैक्ट्री, कपूरथला
 - ✗ 3. मेट्रो रेल डिपो, मुंबई
 - ✗ 4. ICF, चेन्नई

Q.15 लैसेन परीक्षण में, आयरन (II) सल्फेट विलयन की उपस्थिति में विलयन के भाग को ऊष्मा देने पर प्रशियन नील के अवक्षेप के निर्माण से कौन-सा तत्व प्रकट होता है?

- Ans
- ✗ 1. ऑक्सीजन
 - ✗ 2. कार्बन
 - ✗ 3. हाइड्रोजन
 - ✓ 4. नाइट्रोजन

Q.16 किसी अर्थव्यवस्था में आधारिक संरचना (infrastructure) का प्राथमिक कार्य कौन-सा है?

- Ans
- ✓ 1. औद्योगिक और आर्थिक कार्यपद्धति
 - ✗ 2. राजनीतिक अभियान
 - ✗ 3. मनोरंजन और पर्यटन
 - ✗ 4. विलासितापूर्ण उपभोग

Q.17 Which of the following diseases is caused by a virus?

- Ans
- ✓ 1. Measles
 - ✗ 2. Tuberculosis
 - ✗ 3. Malaria
 - ✗ 4. Cholera

Q.18 निम्नलिखित में से कौन-सी भारत में एक वैधानिक निगम की विशिष्ट विशेषता है?

- Ans
- ✗ 1. सरकार से अलग इसका कोई कानूनी अस्तित्व नहीं होता है।
 - ✗ 2. यह पूरी तरह से निजी शेयरधारकों के स्वामित्व में होता है और इसे कोई सरकारी निधीयन प्राप्त नहीं होता है।
 - ✓ 3. यह एक विशेष अधिनियम द्वारा निर्मित होता है, इसे स्वतंत्र कानूनी दर्जा प्राप्त होता है और इस पर मुकदमा चलाया जा सकता है/इसके द्वारा मुकदमा किया जा सकता है।
 - ✗ 4. इसके कर्मचारियों को सामान्य नियमों के तहत सरकारी सिविल सेवक माना जाता है।

Q.19 2025 वर्ल्ड एक्वेटिक्स वर्ल्ड कप (2025 World Aquatics World Cup) में ग्रीस की महिला टीम ने किस टीम को हराकर पहली बार स्वर्ण पदक जीता?

- Ans
- ✓ 1. हंगरी
 - ✗ 2. इटली
 - ✗ 3. स्पेन
 - ✗ 4. रूस

Q.20 नवीन और नवीकरणीय ऊर्जा मंत्रालय के आंकड़ों के अनुसार, भारत के नवीकरणीय ऊर्जा क्षेत्र में 2024 में निम्नलिखित में से किसके माध्यम से 24.5 GW और 3.4 GW की रिकॉर्ड-तोड़ वृद्धि देखी गई?

- Ans
- ✗ 1. बायोमास और ज्वारीय
 - ✗ 2. जलविद्युत और भूतापीय
 - ✓ 3. सौर और पवन
 - ✗ 4. पवन और परमाणु

Q.21 शास्त्रीय भारतीय नाटक की प्रमुख विशेषता क्या है?

- Ans
- ✗ 1. केवल हास्य दृश्य
 - ✗ 2. मेकअप का प्रयोग नहीं
 - ✗ 3. केवल नृत्य
 - ✓ 4. रसों का समावेश



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Q.22 2025 में किस राज्य ने भारत का पहला क्वांटम कंप्यूटिंग गांव बनाने की योजना की घोषणा की?

- Ans
- ☐ 1. हिमाचल प्रदेश
 - ☐ 2. पंजाब
 - ☒ 3. आंध्र प्रदेश
 - ☐ 4. कर्नाटक

Q.23 निम्नलिखित में से किस भारतीय ब्रांड ने फ्यूचर ब्रांड इंडेक्स, 2024 में दूसरा स्थान प्राप्त किया है?

- Ans
- ☐ 1. लार्सन एंड टुब्रो
 - ☐ 2. टाटा कंसल्टेंसी सर्विसेज
 - ☐ 3. हिंदुस्तान यूनिलीवर लिमिटेड
 - ☒ 4. रिलायंस इंडस्ट्रीज लिमिटेड

Q.24 कौन-सी नदी घाटी परियोजना टेनेसी घाटी प्राधिकरण (TVA) की सहायता से विकसित की गई है?

- Ans
- ☒ 1. दामोदर घाटी परियोजना
 - ☐ 2. नागार्जुन सागर परियोजना
 - ☐ 3. भाखड़ा नांगल परियोजना
 - ☐ 4. टिहरी परियोजना

Q.25 विंडोज़ में डेस्कटॉप पर नया फ़ोल्डर बनाने का सही तरीका निम्नलिखित में से कौन-सा है?

- Ans
- ☐ 1. किसी आइकन को Start Menu से डेस्कटॉप पर खींच कर लाएं
 - ☐ 2. Task Manager ओपन करें → New Folder पर क्लिक करें
 - ☐ 3. डेस्कटॉप पर Ctrl + S दबाएं
 - ☒ 4. डेस्कटॉप पर राइट-क्लिक करें → New → Folder पर जाएं

Q.26 वक्फ (संशोधन) अधिनियम, 2025 की मुख्य विशेषता क्या है?

- Ans
- ☐ 1. समान नागरिक संहिता दिशानिर्देशों का कार्यान्वयन
 - ☒ 2. बोर्डों में मुस्लिम महिलाओं और सभी संप्रदायों को शामिल करना
 - ☐ 3. सभी पंजीकृत वक्फ संपत्तियों का राष्ट्रीयकरण
 - ☐ 4. सभी मौजूदा वक्फ बोर्डों का उन्मूलन

Q.27 निम्नलिखित में से कौन-सा विद्रोह, ओडिशा में पारंपरिक भू-सैनिकों (पैदल सैनिकों) के नेतृत्व में हुआ था?

- Ans
- ☐ 1. अहोम विद्रोह (Ahom revolt)
 - ☐ 2. वहाबी आंदोलन (Wahabi movement)
 - ☒ 3. पाइका विद्रोह (Paika rebellion)
 - ☐ 4. फ़राज़ी विद्रोह (Faraizi revolt)

Q.28 निम्नलिखित में से कौन-सा, एक असांविधिक और असांविधानिक निकाय है?

- Ans
- ☐ 1. भारत के महान्यायवादी
 - ☒ 2. NITI आयोग
 - ☐ 3. केंद्रीय सूचना आयोग
 - ☐ 4. राष्ट्रीय मानवाधिकार आयोग

Q.29 1857 के नायक बाबू कुंवर सिंह को श्रद्धांजलि के रूप में, अप्रैल 2025 में IAF सूर्य किरण एयर शो ने _____ के आसमान को चकाचौंध कर दिया।

- Ans
- ☐ 1. लखनऊ
 - ☐ 2. मेरठ
 - ☒ 3. पटना
 - ☐ 4. भागलपुर



Q.30 निम्नलिखित में से कौन-सा, रांची के नेता बिरसा के नेतृत्व में एक आदिवासी विद्रोह था, जो एक धार्मिक आंदोलन के रूप में प्रारंभ हुआ तथा बाद में औपनिवेशिक भूमि बंदोबस्त, साहूकारों एवं वन ठेकेदारों के विरुद्ध लड़ाई में बदल गया?

- Ans
- ☒ 1. कूका विद्रोह (Kuka rebellion)
 - ☒ 2. मुंडा विद्रोह (Munda uprising)
 - ☒ 3. संन्यासी विद्रोह (Sannyasi revolt)
 - ☒ 4. वहाबी आंदोलन (Wahabi movement)

Q.31 किस संशोधन ने रियासतों के पूर्व शासकों के प्रिवी पर्स और विशेषाधिकारों को समाप्त कर दिया?

- Ans
- ☒ 1. इकतीसवाँ संशोधन अधिनियम, 1972
 - ☒ 2. चौबीसवाँ संशोधन अधिनियम, 1971
 - ☒ 3. छब्बीसवाँ संशोधन अधिनियम, 1971
 - ☒ 4. पच्चीसवाँ संशोधन अधिनियम, 1971

Q.32 2025 में पद्म भूषण से सम्मानित श्री पंकज आर पटेल, अप्रैल 2025 में भारत की निम्नलिखित में से किस भेषजिक कंपनी के अध्यक्ष थे?

- Ans
- ☒ 1. ज़ाइडस लाइफसाइंसेज लिमिटेड (Zydus Lifesciences Limited)
 - ☒ 2. डॉ. रेड्डीज़ लैबोरेटरीज (Dr. Reddy's Laboratories)
 - ☒ 3. सन फार्मास्युटिकल इंडस्ट्रीज (Sun Pharmaceutical Industries)
 - ☒ 4. सिप्ला (Cipla)

Q.33 भूमध्यरेखा के निकट निम्न-दाब पेटी को सामान्यतः क्या कहा जाता है?

- Ans
- ☒ 1. ध्रुवीय वाताग्र (Polar Front)
 - ☒ 2. हॉर्स अक्षांश (Horse Latitudes)
 - ☒ 3. डोलड्रम (Doldrums)
 - ☒ 4. व्यापारिक पवन पेटी (Trade Wind Belt)

Q.34 संयुक्त राज्य अमेरिका में IAM नामक एक भारतीय संघ द्वारा आयोजित 'कनेक्ट इंडिया 2025' कार्यक्रम का उद्देश्य किस क्षेत्र के साझेदार संगठनों को एक साथ लाना था?

- Ans
- ☒ 1. मिनेसोटा (Minnesota)
 - ☒ 2. कैलिफोर्निया (California)
 - ☒ 3. न्यूयॉर्क (New York)
 - ☒ 4. टेक्सस (Texas)

Q.35 भारतीय संविधान की पांचवीं अनुसूची के अंतर्गत निम्नलिखित में से कौन-से राज्य आते हैं?

- Ans
- ☒ 1. मिजोरम और मणिपुर
 - ☒ 2. झारखंड और छत्तीसगढ़
 - ☒ 3. नागालैंड और मेघालय
 - ☒ 4. असम और त्रिपुरा

Q.36 निम्नलिखित में से किस डिजिटल कार्यक्रम का उद्देश्य भारत में राज्य और केंद्र शासित प्रदेशों के विधानमंडलों की विधायी कार्यवाही को पूरी तरह से पेपरलेस बनाना है?

- Ans
- ☒ 1. ई-गवर्नेंस फॉर लेजिस्लेटर्स (eGL)
 - ☒ 2. डिजिटल इंडिया मिशन
 - ☒ 3. ई-संसद
 - ☒ 4. नेशनल ई-विधान एप्लीकेशन (NeVA)



Q.37 मौर्य साम्राज्य के पतन के पश्चात, मौर्य के अंतिम शासक की हत्या करने वाले सेनापति पुष्यमित्र शुंग ने किस राजवंश की स्थापना की थी?

- Ans
- ☐ 1. कण्व वंश
 - ☐ 2. सातवाहन वंश
 - ☒ 3. शुंग राजवंश
 - ☐ 4. गुप्त वंश

Q.38 बंगाल विभाजन (1905) को अंग्रेजों ने _____ के आधार पर उचित ठहराया था।

- Ans
- ☐ 1. आर्थिक समृद्धि
 - ☐ 2. धार्मिक सद्भाव
 - ☒ 3. प्रशासनिक सुविधा
 - ☐ 4. शिक्षा के प्रसार

Q.39 अंडमान और निकोबार द्वीप समूह, _____ द्वारा पृथक होते हैं।

- Ans
- ☐ 1. 12° N समानांतर
 - ☒ 2. 10° N समानांतर
 - ☐ 3. 14° N समानांतर
 - ☐ 4. 16° N समानांतर

Q.40 पट्टदकल का प्रसिद्ध विरुपाक्ष मंदिर, 8वीं शताब्दी में किसके द्वारा बनवाया गया था?

- Ans
- ☒ 1. चालुक्य
 - ☐ 2. वर्धन
 - ☐ 3. वाकाटक
 - ☐ 4. पल्लव

Section : Mathematics

Q.1 मैंने ₹1,200 में दो फ्रॉक खरीदीं। मैंने पहली फ्रॉक को 7% की हानि पर और दूसरी फ्रॉक को 23% के लाभ पर बेच दिया। यदि कुल मिलाकर मुझे न तो हानि हुई और न ही लाभ हुआ, तो पहली फ्रॉक का क्रय मूल्य (₹ में) ज्ञात कीजिए।

- Ans
- ☐ 1. 944
 - ☐ 2. 904
 - ☒ 3. 920
 - ☐ 4. 940

Q.2
$$\frac{\cos^6 \theta + \sin^6 \theta + 3 \sin^2 \theta \cos^2 \theta}{\operatorname{cosec} \theta \sec \theta ((\sin \theta + \cos \theta)^2 - 1)}$$
 का मान ज्ञात कीजिए।

- Ans
- ☐ 1. $-\frac{1}{2}$
 - ☐ 2. $\frac{1}{4}$
 - ☐ 3. $\frac{1}{3}$
 - ☒ 4. $\frac{1}{2}$



Q.3 एक रेलगाड़ी, रेलवे ट्रैक के किनारे चल रहे दो व्यक्तियों को ओवरटेक करती है। पहला व्यक्ति 9 km/hr की चाल से चल रहा है। दूसरा व्यक्ति 12.6 km/hr की चाल से चल रहा है। रेलगाड़ी को उन्हें ओवरटेक करने में क्रमशः 13.5 और 15 सेकंड लगते हैं। यदि दोनों व्यक्ति, रेलगाड़ी के चलने की दिशा में ही चल रहे हैं, तो रेलगाड़ी की चाल कितनी है?

- Ans
- ☐ 1. 35 km/hr
 - ☐ 2. 44 km/hr
 - ☒ 3. 45 km/hr
 - ☐ 4. 38 km/hr

Q.4 एक गोले की त्रिज्या 16 cm है। इसका पृष्ठीय क्षेत्रफल ज्ञात कीजिए।

- Ans
- ☐ 1. $768\pi \text{ cm}^2$
 - ☐ 2. $341\pi \text{ cm}^2$
 - ☐ 3. $512\pi \text{ cm}^2$
 - ☒ 4. $1024\pi \text{ cm}^2$

Q.5 निम्नलिखित में से कौन-सी संख्या, 747579723 को विभाजित करती है?

- Ans
- ☐ 1. 13
 - ☒ 2. 11
 - ☐ 3. 9
 - ☐ 4. 8

Q.6 $57^{-8} \div 57^{17} \times 57^{-18}$ का मान ज्ञात कीजिए।

- Ans
- ☐ 1. 57^{-36}
 - ☐ 2. 57^{-46}
 - ☐ 3. 57^{-45}
 - ☒ 4. 57^{-43}

Q.7 दो संख्याओं का महत्तम समापवर्तक (HCF) 16 है और उनका लघुत्तम समापवर्त्य (LCM) 240 है। यदि एक संख्या 48 है, तो दूसरी संख्या ज्ञात कीजिए।

- Ans
- ☐ 1. 64
 - ☐ 2. 72
 - ☒ 3. 80
 - ☐ 4. 70

Q.8 40 पुस्तकों का विक्रय मूल्य, 28 पुस्तकों के क्रय मूल्य के बराबर है। हानि या लाभ प्रतिशत ज्ञात कीजिए।

- Ans
- ☒ 1. 30% हानि
 - ☐ 2. 30% लाभ
 - ☐ 3. $\frac{100}{12}\%$ लाभ
 - ☐ 4. $\frac{100}{12}\%$ हानि



Q.9 हेमा एक काम को 30 दिनों में पूरा कर सकती है। हेमा और राजी मिलकर उसी काम को 22 दिनों में पूरा कर सकती हैं, और हेमा, राजी और स्मिता मिलकर उसी काम को 15 दिनों में पूरा कर सकती हैं। हेमा और स्मिता मिलकर उसी काम को कितने दिनों में पूरा कर सकती हैं?

- Ans
- ☒ 1. $\frac{62}{3}$
 - ☒ 2. $\frac{55}{3}$
 - ☒ 3. $\frac{51}{5}$
 - ☒ 4. $\frac{45}{4}$

Q.10 सपना ने ₹21,900 की राशि को साधारण ब्याज पर आंशिक रूप से 14% वार्षिक और आंशिक रूप से 10% वार्षिक दर से निवेश किया। यदि उसे 2 वर्षों के बाद दोनों निवेशों से समान ब्याज प्राप्त होता है, तो 14% वार्षिक दर से निवेश की गई राशि (₹ में) ज्ञात कीजिए।

- Ans
- ☒ 1. 9,123
 - ☒ 2. 9,128
 - ☒ 3. 9,124
 - ☒ 4. 9,125

Q.11 प्रथम 167 सम संख्याओं का औसत ज्ञात कीजिए।

- Ans
- ☒ 1. 169
 - ☒ 2. 167.5
 - ☒ 3. 168.5
 - ☒ 4. 168

Q.12 $\triangle ABC$ में, D पर $BD \perp AC$ तथा $\angle DBC = 40^\circ$ है। BC पर एक बिंदु E इस प्रकार है कि $\angle CAE = 37^\circ$ है। $\angle AEB$ की माप कितनी है?

- Ans
- ☒ 1. 99°
 - ☒ 2. 87°
 - ☒ 3. 83°
 - ☒ 4. 78°

Q.13 65 का 65%, 55 के $\frac{3}{5}$ से कितना अधिक है?

- Ans
- ☒ 1. 9.25
 - ☒ 2. 3.25
 - ☒ 3. 7.25
 - ☒ 4. 6.25

Q.14 दो उम्मीदवारों के बीच हुए एक चुनाव में, पंजीकृत मतदाताओं में से 92% ने मतदान किया और 20% मत अवैध पाए गए। विजयी उम्मीदवार को वैध मतों में से 75% मत प्राप्त हुए और वह 322 मतों के अंतर से चुनाव जीत जाता है। कुल कितने मतदाता पंजीकृत थे?

- Ans
- ☒ 1. 875
 - ☒ 2. 3123
 - ☒ 3. 873
 - ☒ 4. 877



Q.15 40 cm भुजा वाले घन का संपूर्ण पृष्ठीय क्षेत्रफल ज्ञात कीजिए।

- Ans
- ☐ 1. 9632 cm^2
 - ☐ 2. 9628 cm^2
 - ☒ 3. 9600 cm^2
 - ☐ 4. 9564 cm^2

Q.16 P, Q और R ने क्रमशः ₹2,030, ₹1,700 और ₹1,010 का निवेश करके एक व्यवसाय शुरू किया। यदि उनके द्वारा अर्जित लाभ में Q का हिस्सा ₹975 है, तो P और R द्वारा अर्जित लाभों में कितना अंतर (₹ में) है?

- Ans
- ☒ 1. ₹585
 - ☐ 2. ₹586
 - ☐ 3. ₹584
 - ☐ 4. ₹583

Q.17 यदि 32 और 24 का तृतीयानुपाती x है, तो x का मान ज्ञात कीजिए।

- Ans
- ☐ 1. 17
 - ☐ 2. 20
 - ☐ 3. 16
 - ☒ 4. 18

Q.18 7 पेन और 8 पेंसिल की कीमत ₹230 है। यदि पेन की कीमत ₹1 प्रति पेन कम हो जाती है और पेंसिल की कीमत ₹7 प्रति पेंसिल बढ़ जाती है, तो 14 पेन और 4 पेंसिल की कीमत ₹150 हो जाती है। 8 पेन और 8 पेंसिल की मूल कीमत कितनी होगी?

- Ans
- ☐ 1. ₹230
 - ☐ 2. ₹228
 - ☒ 3. ₹232
 - ☐ 4. ₹229

Q.19 389 और 403 के बीच आने वाली अभाज्य संख्याओं की संख्या, दोनों संख्याओं सहित, ज्ञात कीजिए।

- Ans
- ☐ 1. 6
 - ☒ 2. 3
 - ☐ 3. 1
 - ☐ 4. 8

Q.20 ₹28,000 को A, B और C के बीच इस प्रकार विभाजित किया गया कि A के हिस्से का 2 गुना = B के हिस्से का 9 गुना = C के हिस्से का 6 गुना है। A का हिस्सा ज्ञात कीजिए।

- Ans
- ☐ 1. ₹17,845
 - ☐ 2. ₹18,195
 - ☐ 3. ₹18,140
 - ☒ 4. ₹18,000

Q.21 निम्नलिखित को सरलीकृत कीजिए।

$$3\left(\left(\frac{5}{3}\right)x^2 - 28x + 15\right) - 5(x^2 + 6x - 15)$$

- Ans
- ☐ 1. $114x - 120$
 - ☐ 2. $114x + 120$
 - ☐ 3. $-114x - 120$
 - ☒ 4. $-114x + 120$



Q.22 फर्नीचर की तीन वस्तुओं का औसत मूल्य ₹5,310 है। यदि उनके मूल्यों का अनुपात 3 : 5 : 7 है, तो सबसे सस्ती वस्तु का मूल्य (₹ में) ज्ञात कीजिए।

- Ans
- ☐ 1. 5,310
 - ☒ 2. 3,186
 - ☐ 3. 7,434
 - ☐ 4. 1,062

Q.23 A दो स्टेशनों के बीच रेलवे ट्रैक को 22 दिनों में बिछा सकता है और B उसी कार्य को 10 दिनों में पूरा कर सकता है। C की सहायता से, उन्होंने यह कार्य केवल 2 दिनों में पूरा कर लिया। C अकेले यह कार्य कितने दिनों में पूरा कर सकता है?

- Ans
- ☐ 1. $11\frac{32}{39}$ दिन
 - ☐ 2. $8\frac{32}{39}$ दिन
 - ☐ 3. $12\frac{32}{39}$ दिन
 - ☒ 4. $2\frac{32}{39}$ दिन

Q.24 ₹38,800 अंकित मूल्य वाली एक वस्तु 25% की एकल छूट पर या 10% और 15% की दो क्रमिक छूटों पर उपलब्ध है। इन छूट योजनाओं में विक्रय मूल्यों के बीच कितना अंतर होगा?

- Ans
- ☐ 1. ₹825
 - ☐ 2. ₹800
 - ☐ 3. ₹628
 - ☒ 4. ₹582

Q.25 यदि राम की आयु का 2 गुना, रम्या की आयु के 9 गुना से 25 वर्ष अधिक है, और रम्या की आयु का 5 गुना, राम की आयु से 4 वर्ष कम है, तो राम और रम्या की आयु के बीच अंतर (वर्ष में) ज्ञात कीजिए।

- Ans
- ☒ 1. 72
 - ☐ 2. 77
 - ☐ 3. 74
 - ☐ 4. 75

Q.26 एक थोक व्यापारी ₹400 के अंकित मूल्य पर 10% की स्कीम छूट देता है। विक्रय मूल्य ज्ञात कीजिए।

- Ans
- ☒ 1. ₹360
 - ☐ 2. ₹350
 - ☐ 3. ₹380
 - ☐ 4. ₹370

Q.27 21 फरवरी 2024 को जमा की गई और 22 अप्रैल 2024 को निकाली गई ₹4,000 की राशि पर 6.75% वार्षिक ब्याज दर पर साधारण ब्याज (₹ में) ज्ञात कीजिए।

- Ans
- ☒ 1. ₹45
 - ☐ 2. ₹46
 - ☐ 3. ₹44
 - ☐ 4. ₹43

Q.28 दिया गया है कि $7^{0.07} = x$, $7^{0.07} = y$ और $x^z = y^3$ है, तो z का मान _____ के निकटतम होगा।

- Ans
- ☐ 1. 3.41
 - ☒ 2. 3
 - ☐ 3. 5.42
 - ☐ 4. 1.23



Q.29 एक व्यक्ति 79 km/hr की चाल से कार चलाकर एक पुल को 3.6 मिनट में पार करता है। पुल की लंबाई ज्ञात कीजिए।

- Ans
- ☐ 1. 4.01 km
 - ☐ 2. 4.88 km
 - ☒ 3. 4.74 km
 - ☐ 4. 4.21 km

Q.30 दो संख्याओं का महत्तम समापवर्तक (H.C.F.) और लघुत्तम समापवर्त्य (L.C.M.) क्रमशः 5 और 495 है। यदि इनमें से एक संख्या 55 है, तो दूसरी संख्या ज्ञात कीजिए।

- Ans
- ☒ 1. 45
 - ☐ 2. 64
 - ☐ 3. 8
 - ☐ 4. 9

Section : General Intelligence and Reasoning

Q.1 निम्नलिखित संख्या और प्रतीक श्रृंखला का संदर्भ लीजिए और नीचे दिए गए प्रश्न का उत्तर दीजिए। गिनती केवल बाएं से दाएं की जानी चाहिए।

(बाएं) $\$ \backslash \% \% \# > ? > ^ \# 6 5 > > 4 9 \backslash 6 ^ \backslash /$ (दाएं)

ऐसी कितनी संख्याएँ हैं जिनके ठीक पहले एक प्रतीक है तथा ठीक बाद भी एक प्रतीक है?

- Ans
- ☒ 1. एक
 - ☐ 2. दो
 - ☐ 3. चार
 - ☐ 4. तीन

Q.2 झीक बिंदु A से ड्राइव करना शुरू करता है और पूर्व की ओर 18 km ड्राइव करता है। फिर वह बाएं मुड़ता है और 4 km ड्राइव करता है, फिर वह बाएं मुड़ता है और 21 km ड्राइव करता है। फिर वह बाएं मुड़ता है और 9 km ड्राइव करता है। वह अंतिम बार बाएं मुड़ता है और 3 km ड्राइव करता है और बिंदु P पर रुक जाता है। बिंदु A पर वापस पहुँचने के लिए उसे कितनी दूर (सबसे छोटी दूरी) और किस दिशा में ड्राइव करना चाहिए? (जब तक निर्दिष्ट न किया जाए, सभी मोड़ केवल 90° के मोड़ हैं।)

- Ans
- ☐ 1. 6 km उत्तर की ओर
 - ☒ 2. 5 km उत्तर की ओर
 - ☐ 3. 6 km पूर्व की ओर
 - ☐ 4. 5 km दक्षिण की ओर

Q.3 मिस्टर टोनी अपनी कक्षा में ऊपर से 69वें और नीचे से 13वें स्थान पर हैं। उनकी कक्षा में कुल कितने विद्यार्थी हैं?

- Ans
- ☐ 1. 82
 - ☐ 2. 83
 - ☐ 3. 80
 - ☒ 4. 81

Q.4 सात बक्से A, B, C, D, E, F और G एक के ऊपर एक करके रखे गए हैं, लेकिन जरूरी नहीं कि वे इसी क्रम में हों। F को G के ठीक ऊपर रखा गया है। A को C के ठीक ऊपर रखा गया है। B के ऊपर केवल E को रखा गया है। F के ऊपर केवल दो बक्से रखे गए हैं। A को नीचे से तीसरे स्थान पर नहीं रखा गया है। C के ऊपर कितने बक्से रखे गए हैं?

- Ans
- ☐ 1. तीन
 - ☐ 2. पांच
 - ☒ 3. छह
 - ☐ 4. चार



Q.5 अंग्रेजी वर्णमाला क्रम पर आधारित, निम्नलिखित चार अक्षर-समूह युग्मों में से तीन एक निश्चित तरीके से समान हैं और इस प्रकार वे एक ग्रुप बनाते हैं। कौन-सा अक्षर-समूह युग्म, उस ग्रुप से संबंधित नहीं है? (नोट: असंगत अक्षर-समूह युग्म, व्यंजनों/स्वरों की संख्या या उनकी स्थिति पर आधारित नहीं है।)

- Ans
- ☒ 1. TM - OO
 - ☒ 2. CP - XS
 - ☒ 3. IY - DA
 - ☒ 4. NH - IJ

Q.6 टीना बिंदु Y से ड्राइव करना शुरू करती है और उत्तर की ओर 4 km ड्राइव करती है। फिर, वह बाएं मुड़ती है और 2 km ड्राइव करती है, वह फिर से बाएं मुड़ती है और 6 km ड्राइव करती है। वह फिर बाएं मुड़ती है और 4 km ड्राइव करती है। फिर, वह दाएं मुड़ती है और 4 km ड्राइव करती है। वह फिर एक अंतिम दाएं मुड़ती है और 2 km ड्राइव करती है और बिंदु Z पर रुकती है। बिंदु Y तक फिर से पहुंचने के लिए उसे कितनी दूर (न्यूनतम दूरी) और किस दिशा में ड्राइव करना चाहिए? (जब तक कि निर्दिष्ट न किया जाए, तबतक सभी मोड़ केवल 90-डिग्री के मोड़ हैं।)

- Ans
- ☒ 1. 6 km उत्तर की ओर
 - ☒ 2. 4 km पूर्व की ओर
 - ☒ 3. 2 km दक्षिण की ओर
 - ☒ 4. 2 km पश्चिम की ओर

Q.7 अंग्रेजी वर्णमाला क्रम के आधार पर, निम्नलिखित चार अक्षर-समूहों में से तीन एक निश्चित तरीके से एकसमान हैं और इस प्रकार वे एक ग्रुप बनाते हैं। कौन-सा अक्षर-समूह उस ग्रुप से संबंधित नहीं है? (नोट: असंगत अक्षर-समूह, उसमें व्यंजनों/स्वरों की संख्या या उनकी स्थिति पर आधारित नहीं है।)

- Ans
- ☒ 1. EYTQ
 - ☒ 2. FZVR
 - ☒ 3. AUPM
 - ☒ 4. BVQN

Q.8 एक निश्चित कूट भाषा में, 'this is lethal' को 'po ko re' के रूप में और 'she is happy' को 're lo ao' के रूप में कूटबद्ध किया जाता है। दी गई भाषा में 'is' को किसमें कूटबद्ध किया जाएगा?

- Ans
- ☒ 1. ao
 - ☒ 2. re
 - ☒ 3. ko
 - ☒ 4. po

Q.9 यदि 'x' और '+' को परस्पर बदल दिया जाए तथा '-' और '÷' को परस्पर बदल दिया जाए, निम्नलिखित समीकरण में प्रश्न-चिह्न (?) के स्थान पर क्या आएगा?

$$32 \div 2 \times 72 - 9 + 5 = ?$$

- Ans
- ☒ 1. 72
 - ☒ 2. 73
 - ☒ 3. 71
 - ☒ 4. 70



Q.10 दिए गए कथनों और निष्कर्षों को ध्यान से पढ़ें। यह मानते हुए कि कथनों में दी गई जानकारी सत्य है, भले ही वह सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होती हो, तय करें कि दिए गए निष्कर्षों में से कौन-सा/से निष्कर्ष, कथनों का तार्किक रूप से अनुसरण करता/करते है/हैं।

कथन:

सभी पिता, भाई हैं।
सभी भाई, पुत्र हैं।

निष्कर्ष:

(I) सभी पिता, पुत्र हैं।
(II) सभी भाई, पिता हैं।

- Ans
- ☒ 1. केवल निष्कर्ष II अनुसरण करता है।
 - ☒ 2. केवल निष्कर्ष I अनुसरण करता है।
 - ☒ 3. निष्कर्ष I और II दोनों अनुसरण करते हैं।
 - ☒ 4. न तो निष्कर्ष I और न ही II अनुसरण करता है।

Q.11 दी गई श्रृंखला में प्रश्न-चिह्न (?) के स्थान पर क्या आना चाहिए?
3, -2, -12, -32, -72, ?

- Ans
- ☒ 1. -152
 - ☒ 2. -135
 - ☒ 3. -124
 - ☒ 4. -125

Q.12 निम्नलिखित संख्या और प्रतीक श्रृंखला का संदर्भ लीजिए और नीचे दिए गए प्रश्न का उत्तर दीजिए। सभी संख्याएँ एकल-अंकीय हैं। गिनती केवल बाएं से दाएं की जानी चाहिए।

(बाएं) 7 1 * £ 5 9 # @ 8 \$ & + 3 2 4 6 % Ω (दाएं)

ऐसी कितनी संख्याएँ हैं जिनके ठीक पहले एक प्रतीक है तथा ठीक बाद में एक अन्य संख्या भी है?

- Ans
- ☒ 1. 4
 - ☒ 2. 2
 - ☒ 3. 1
 - ☒ 4. 3

Q.13 यदि संख्या 36719542 के प्रत्येक सम अंक में 1 जोड़ दिया जाए, तो इस प्रकार बनने वाली नई संख्या में एक से अधिक बार आने वाले अंकों का गुणनफल कितना होगा?

- Ans
- ☒ 1. 105
 - ☒ 2. 35
 - ☒ 3. 21
 - ☒ 4. 15

Q.14 यदि संख्या 97145286 के प्रत्येक सम अंक में से 1 घटा दिया जाए, तो इस प्रकार बनी नई संख्या में एक से अधिक बार आने वाले अंकों का योगफल ज्ञात कीजिए।

- Ans
- ☒ 1. 12
 - ☒ 2. 6
 - ☒ 3. 8
 - ☒ 4. 13

Q.15 L, M, N, O, Q, R और S एक गोल मेज के परितः उसके केंद्र की ओर मुंह करके बैठे हुए हैं। L, R के दाएं चौथे स्थान पर बैठा है। Q के बाएं गिनने पर Q और N के बीच केवल दो व्यक्ति बैठे हैं। M, O के बाएं तीसरे स्थान पर बैठा है। S, O और N का निकटतम पड़ोसी है। S के बाएं गिनने पर L और S के बीच कितने लोग बैठे हैं?

- Ans
- ☒ 1. एक
 - ☒ 2. दो
 - ☒ 3. तीन
 - ☒ 4. चार



Q.16 दिए गए कथनों और निष्कर्षों को ध्यान से पढ़ें। यह मानते हुए कि कथनों में दी गई जानकारी सत्य है, भले ही वह सामान्य रूप से ज्ञात तथ्यों से भिन्न प्रतीत होती हो, तय करें कि दिए गए निष्कर्षों में से कौन-से निष्कर्ष कथनों का तार्किक रूप से अनुसरण करते हैं।
कथन:
 सभी हमिंगबर्ड, सारस हैं।
 कुछ सारस, फ्लेमिंगो हैं।
निष्कर्ष:
 I. कुछ हमिंगबर्ड, फ्लेमिंगो हैं।
 II. कोई फ्लेमिंगो, हमिंगबर्ड नहीं है।

Ans  1. केवल निष्कर्ष (I) अनुसरण करता है।
 2. न तो निष्कर्ष (I) और न ही (II) अनुसरण करता है।
 3. केवल निष्कर्ष (II) अनुसरण करता है।
 4. निष्कर्ष (I) और (II) दोनों अनुसरण करते हैं।

Q.17 उस सेट का चयन कीजिए जिसमें संख्याएँ उसी तरह से संबंधित हैं जैसे कि निम्नलिखित सेटों की संख्याएँ हैं।

(नोट: संख्याओं को उनके घटक अंकों में तोड़ें बिना, संक्रियाएँ पूर्ण संख्याओं पर की जानी चाहिए।
 उदाहरण के लिए 13 लीजिए -13 पर संक्रियाएँ, जैसे कि 13 में जोड़ना/घटाना/गुणा करना आदि, की जा सकती हैं। 13 को 1 और 3 में तोड़ना तथा फिर 1 और 3 पर गणितीय संक्रियाएँ करने की अनुमति नहीं है।)

(52, 100, 196)
 (65, 126, 248)

Ans  1. (72, 140, 256)
 2. (56, 108, 202)
 3. (68, 132, 260)
 4. (94, 184, 264)

Q.18 अंग्रेजी वर्णमाला क्रम के आधार पर, निम्नलिखित चार अक्षर-समूहों में से तीन एक निश्चित तरीके से समान हैं और इस प्रकार एक ग्रुप बनाते हैं। कौन-सा अक्षर-समूह, उस ग्रुप से संबंधित नहीं है?
 (नोट: असंगत अक्षर-समूह, व्यंजनों/स्वरों की संख्या या उनकी स्थिति पर आधारित नहीं है।)

Ans  1. NGO
 2. IBJ
 3. KDL
 4. PIR

Q.19 किसी निश्चित कूट भाषा में, 'GIFT' को '7529' और 'FITS' को '2596' के रूप में कूटबद्ध किया जाता है। दी गई कूट भाषा में 'S' का कूट क्या है?

Ans  1. 5
 2. 6
 3. 9
 4. 2

Q.20 निम्नलिखित त्रिकों में, अक्षरों का प्रत्येक समूह एक निश्चित तर्क का अनुसरण करते हुए अगले समूह से संबंधित है। दिए गए विकल्पों में से उस विकल्प का चयन कीजिए जो समान तर्क का अनुसरण करता हो।

MICE - EMCI - MEIC
 DEAR - RDAE - DREA

Ans  1. AGES - SAGE - GESA
 2. GUST - TGSU - GTUS
 3. NUTS - UNTS - SUTN
 4. AXLE - EALX - AXEL



Q.21 निम्नलिखित त्रिकों में, अक्षरों का प्रत्येक समूह एक निश्चित तर्क का अनुसरण करते हुए अगले समूह से संबंधित है। दिए गए विकल्पों में से उस विकल्प का चयन कीजिए जो समान तर्क का अनुसरण करता हो।

TRIM - ITRM - MIRT
MIST - SMIT - TSIM

- Ans
- ✓ 1. CLUE - UCLE - EULC
 - ✗ 2. FOLD - FLOD - DLOF
 - ✗ 3. WEST - EWST - TESW
 - ✗ 4. PLAY - APLY - LAYP

Q.22 In a certain code language,
A + B means 'A is the husband of B',
A - B means 'A is the brother of B',
A x B means 'A is the sister of B' and
A ÷ B means 'A is the daughter of B'.

How is C related to J if 'C - E ÷ G + I x J'?

- Ans
- ✗ 1. Father's brother
 - ✗ 2. Mother's brother
 - ✓ 3. Sister's son
 - ✗ 4. Son

Q.23 दी गई श्रृंखला को तार्किक रूप से पूर्ण बनाने के लिए, प्रश्न-चिह्न (?) को निम्नलिखित में से किस अक्षर-संख्या समूह द्वारा प्रतिस्थापित किया जाना चाहिए?

GBD 14, KFH 17, OJL 20, SNP 23, ?

- Ans
- ✗ 1. WTS 26
 - ✗ 2. VRT 26
 - ✓ 3. WRT 26
 - ✗ 4. VTR 25

Q.24 A, B, C, D, E, F और G एक गोल मेज के परितः केंद्र की ओर अभिमुख होकर बैठे हैं।
C, D के ठीक दाईं ओर बैठा है। C के बाईं ओर से गिनने पर C और G के बीच केवल तीन लोग बैठे हैं। D और B के बीच केवल तीन लोग बैठे हैं। A, F के ठीक दाईं ओर बैठा है। C के दाईं ओर से गिनने पर C और A के बीच कितने लोग बैठे हैं?

- Ans
- ✓ 1. 4
 - ✗ 2. 3
 - ✗ 3. 2
 - ✗ 4. 1

Q.25 दी गई श्रृंखला में प्रश्न-चिह्न (?) के स्थान पर क्या आना चाहिए?

160 151 140 127 112 ?

- Ans
- ✗ 1. 93
 - ✗ 2. 91
 - ✓ 3. 95
 - ✗ 4. 84

Q.26 निम्नलिखित में से कौन-सा अक्षर-संख्या समूह दी गई श्रृंखला में प्रश्न-चिह्न (?) के स्थान पर रखे जाने से श्रृंखला तार्किक रूप से पूर्ण हो जाएगी?

KFU-15 IIQ-22 GLM-31 EOI-42 ?

- Ans
- ✓ 1. CRE-55
 - ✗ 2. RES-54
 - ✗ 3. RDG-55
 - ✗ 4. GTR-54



Q.27 यदि '+' और '-' को आपस में बदल दिया जाए तथा 'x' और '÷' को आपस में बदल दिया जाए, तो निम्नलिखित समीकरण में प्रश्न-चिह्न (?) के स्थान पर क्या आएगा?

$$65 \times 5 - 19 \div 3 + 25 = ?$$

- Ans
- ☒ 1. 45
 - ☐ 2. 40
 - ☐ 3. 44
 - ☐ 4. 46

Q.28 सात बक्से V, W, X, Y, Z, Q और R एक के ऊपर एक रखे गए हैं, लेकिन जरूरी नहीं कि वे इसी क्रम में रखे गए हों। Y को Q के ठीक ऊपर रखा गया है। W को Z के ठीक ऊपर रखा गया है। V के ऊपर केवल X को रखा गया है। Y के ऊपर केवल दो बक्से रखे गए हैं। W को नीचे से तीसरे स्थान पर नहीं रखा गया है। R और X के बीच कितने बक्से रखे गए हैं?

- Ans
- ☐ 1. एक
 - ☐ 2. दो
 - ☐ 3. चार
 - ☒ 4. तीन

Q.29 उस युग्म का चयन कीजिए जो नीचे दिए गए युग्मों के समान पैटर्न का अनुसरण करता है। दोनों युग्म समान पैटर्न का अनुसरण करते हैं।

VTM : ZQQ
DNU : HKY

- Ans
- ☐ 1. MHE : PCH
 - ☐ 2. YFH : CAL
 - ☒ 3. LHC : PEG
 - ☐ 4. KZQ : PWL

Q.30 नीचे दी गई श्रृंखला में, प्रश्नवाचक चिह्न (?) के स्थान पर क्या आएगा?

$$512 \ 513 \ 505 \ 532 \ 468 \ ?$$

- Ans
- ☐ 1. 587
 - ☐ 2. 597
 - ☐ 3. 583
 - ☒ 4. 593





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	21/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 'Blossom Shower' triggers the blossoming of the flowers of which crops in Kerala and nearby areas?

- Ans**
- ☒ 1. Tea
 - ☒ 2. Coffee
 - ☐ 3. Sunflower
 - ☐ 4. Cotton

Q.2 Which of the following helps in organizing files?

- Ans**
- ☒ 1. Naming files meaningfully
 - ☐ 2. Not saving any files
 - ☐ 3. Placing all files on the desktop
 - ☐ 4. Saving all files in one folder

Q.3 In India, the area under 'Permanent Pastures and Grazing Lands' is mostly owned by:

- Ans**
- ☐ 1. cooperatives
 - ☐ 2. private companies
 - ☐ 3. the Forest Department
 - ☒ 4. Village Panchayats

Q.4 In April 2025, which defence subsidiary signed a landmark defence MoU with Slovakia aimed at boosting India's indigenous defence manufacturing capabilities?

- Ans**
- ☐ 1. NewSpace India Ltd
 - ☐ 2. BrahMos Aerospace Pvt Ltd
 - ☒ 3. Airbornics Defence & Space Pvt Ltd
 - ☐ 4. Paras Defence and Space Technologies Ltd

Q.5 What is the primary purpose of introducing e-passports in India in May 2025?

- Ans**
- ☒ 1. To enhance security and prevent identity fraud
 - ☐ 2. To reduce the cost of passport production
 - ☐ 3. To increase the number of pages in the passport
 - ☐ 4. To change the colour of the passport cover



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Q.6 Who has the authority to transfer judges of the High Courts in India?

- Ans**
- ✓ 1. President of India
 - ✗ 2. Chief Minister of the State
 - ✗ 3. Parliament of India
 - ✗ 4. Chief Justice of India acting on behalf of the Supreme Court

Q.7 Which of the following best explains why adult literacy varies significantly across Indian states?

- Ans**
- ✓ 1. Socio-economic and educational disparities
 - ✗ 2. Unequal industrial development
 - ✗ 3. Variations in population density
 - ✗ 4. Different climate zones

Q.8 Which Five Year Plan marked the beginning of the Green Revolution in India?

- Ans**
- ✓ 1. Third Five Year Plan
 - ✗ 2. Second Five Year Plan
 - ✗ 3. Fourth Five Year Plan
 - ✗ 4. First Five Year Plan

Q.9 Which of the following is NOT a state function or state variable in a thermodynamic system?

- Ans**
- ✗ 1. Pressure
 - ✗ 2. Enthalpy
 - ✓ 3. Work
 - ✗ 4. Internal energy

Q.10 In which location is the 17th edition of the India-Mongolia joint military Exercise NOMADIC ELEPHANT being conducted, as of 29 May 2025?

- Ans**
- ✗ 1. Umroi, Meghalaya
 - ✗ 2. Thimphu, Bhutan
 - ✓ 3. Ulaanbaatar, Mongolia
 - ✗ 4. Leh, Ladakh

Q.11 Which physical feature marks the northeastern boundary of the Peninsular Block?

- Ans**
- ✗ 1. Aravalli Range
 - ✓ 2. Malda fault
 - ✗ 3. Eastern Ghats
 - ✗ 4. Western Ghats

Q.12 Which of the following constitutional bodies was created to recommend appointments and transfers of judges in India?

- Ans**
- ✓ 1. National Judicial Appointments Commission
 - ✗ 2. High Court Tribunal
 - ✗ 3. Supreme Council of Judges
 - ✗ 4. Central Judicial Commission

Q.13 For her outstanding contributions towards films, which Indian filmmaker was honoured with the prestigious Officier dans l'Ordre des Arts et des Lettres (Officer of the Order of Arts and Letters) award by the French government in April 2025?

- Ans**
- ✗ 1. Mira Nair
 - ✗ 2. Zoya Akhtar
 - ✗ 3. Deepa Mehta
 - ✓ 4. Payal Kapadia



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Q.14 The provision of early childhood care and education to children below six years of age was introduced by which Constitutional Amendment?

- Ans**
- ☐ 1. Forty-second Amendment Act, 1976
 - ☐ 2. Seventy-fourth Amendment Act, 1992
 - ☒ 3. Eighty-sixth Amendment Act, 2002
 - ☐ 4. Forty-fourth Amendment Act, 1978

Q.15 Mahavdev Govind Ranade devoted his entire life to the _____.

- Ans**
- ☒ 1. Prarthana Samaj
 - ☐ 2. Deva Samaj
 - ☐ 3. Servants of India Society
 - ☐ 4. Theosophical Society

Q.16 What did the Supreme Court direct regarding the investigation of 171 alleged fake encounters in Assam?

- Ans**
- ☒ 1. Ordered the Assam Human Rights Commission to investigate
 - ☐ 2. Dismissed the allegations
 - ☐ 3. Declared the encounters justified
 - ☐ 4. Ordered the Assam Human Rights Commission to transferred the cases to the CBI

Q.17 Which of the following countries withdrew from the International Criminal Court (ICC) in April 2025?

- Ans**
- ☐ 1. Slovakia
 - ☐ 2. Czech Republic
 - ☐ 3. Austria
 - ☒ 4. Hungary

Q.18 Which of the following organisations is NOT related to the development of 'DIGIPIN', which was launched in 2025?

- Ans**
- ☐ 1. IIT Hyderabad
 - ☐ 2. ISRO
 - ☒ 3. DRDO
 - ☐ 4. Department of Posts

Q.19 Who among the following was conferred with the Padma Shri Award 2025 in the field of Literature and Education in April 2025?

- Ans**
- ☐ 1. Prof. Sushil Kumar Modi
 - ☒ 2. Prof. Anil Kumar Boro
 - ☐ 3. Prof. Nandamuri Balakrishna
 - ☐ 4. Prof. MT Vasudevan Nair

Q.20 Who was sworn in as the 52nd Chief Justice of India on 14 May 2025?

- Ans**
- ☒ 1. Justice Bhushan Ramakrishna Gavai
 - ☐ 2. Justice Sanjiv Khanna
 - ☐ 3. Justice Uday Umesh Lalit
 - ☐ 4. Justice Dhananjaya Y Chandrachud



Q.21 In which year was the National Disaster Management Authority (NDMA) initially constituted under the Chairmanship of the Prime Minister of India by an executive order?

- Ans**
- ☒ 1. 2005
 - ☐ 2. 2010
 - ☐ 3. 2007
 - ☐ 4. 2008

Q.22 Which 2025 book by Pankaj Mishra examines Middle Eastern conflicts in a global context?

- Ans**
- ☐ 1. Beyond Borders
 - ☐ 2. Global Turmoil
 - ☒ 3. The World After Gaza
 - ☐ 4. Echoes of the East

Q.23 The luminous efficacy of monochromatic radiation of frequency 540×10^{12} Hz, Kcd, is to be ____ when expressed in the unit lumen per watt.

- Ans**
- ☐ 1. 641
 - ☐ 2. 679
 - ☐ 3. 655
 - ☒ 4. 683

Q.24 In which of the following years was Burhan-ul-Mulk appointed the Nazim of Awadh?

- Ans**
- ☐ 1. 1712
 - ☐ 2. 1732
 - ☐ 3. 1702
 - ☒ 4. 1722

Q.25 Which of the following statements about the Council of Ministers is correct?

- Ans**
- ☐ 1. Ministers of State rank higher than Cabinet Ministers.
 - ☒ 2. Cabinet Ministers are a smaller group within the Council of Ministers.
 - ☐ 3. The Council of Ministers is appointed by the Chief Justice.
 - ☐ 4. All members of the Council of Ministers are part of the Cabinet.

Q.26 Pitt's India Act of 1784 established which of the following bodies?

- Ans**
- ☐ 1. Dual Government in Bengal
 - ☐ 2. Indian Civil Services
 - ☒ 3. Board of Control
 - ☐ 4. Supreme Court at Calcutta

Q.27 Which of the following elements is NOT generally found in proteins?

- Ans**
- ☐ 1. Nitrogen
 - ☒ 2. Phosphorus
 - ☐ 3. Carbon
 - ☐ 4. Hydrogen

Q.28 The Green Revolution in India primarily led to an increase in the production of which crops?

- Ans**
- ☐ 1. Rice and Pulses
 - ☐ 2. Wheat and Sugarcane
 - ☒ 3. Wheat and Rice
 - ☐ 4. Rice and Maize



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Q.29 The primary cause for the rise of Jainism and Buddhism was the religious unrest in India in the _____.

- Ans**
- ✓ 1. 6th century BCE
 - ✗ 2. 5th century BCE
 - ✗ 3. 4th century BCE
 - ✗ 4. 7th century BCE

Q.30 Developing countries have often experienced mixed outcomes from globalisation. Which of the following is a potential disadvantage of globalisation for developing economies?

- Ans**
- ✗ 1. Job creation
 - ✗ 2. Transfer of technology
 - ✓ 3. Unequal income distribution
 - ✗ 4. Export growth

Q.31 Which soil is acidic in nature and found in high rainfall areas?

- Ans**
- ✓ 1. Laterite soil
 - ✗ 2. Red soil
 - ✗ 3. Alluvial soil
 - ✗ 4. Black soil

Q.32 What is the primary goal of the 'MILAN 2025' naval exercise hosted by India?

- Ans**
- ✓ 1. To promote maritime cooperation among friendly navies
 - ✗ 2. To build new submarines jointly with France
 - ✗ 3. To launch new defence satellites
 - ✗ 4. To train for desert warfare

Q.33 While multitasking, which of the following best describes what happens when Alt + Tab is used repeatedly?

- Ans**
- ✗ 1. It locks the computer.
 - ✓ 2. It cycles through open applications in the order of last use.
 - ✗ 3. It opens the Task Manager.
 - ✗ 4. It closes the active window.

Q.34 Which trio of leaders is famously associated with the rise of Extremist ideology in Indian nationalism?

- Ans**
- ✓ 1. Lal-Bal-Pal
 - ✗ 2. Gokhale-Tilak-Gandhi
 - ✗ 3. Nehru-Gandhi-Patel
 - ✗ 4. Aurobindo-Lajpat Rai-Gokhale

Q.35 Yakshagana is a folk theatre form from which of the following states of India?

- Ans**
- ✗ 1. Tamil Nadu
 - ✗ 2. Punjab
 - ✓ 3. Karnataka
 - ✗ 4. Gujarat

Q.36 Which player was honoured with the 2025 Football Writers' Association Men's Footballer of the Year award?

- Ans**
- ✗ 1. Erling Haaland
 - ✓ 2. Mohamed Salah
 - ✗ 3. Harry Kane
 - ✗ 4. Bukayo Saka



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Q.37 Which type of mountain range is formed by the uplifted folded sedimentary rocks?

- Ans**
- ☐ 1. Volcanic Mountains
 - ☐ 2. Block Mountains
 - ☒ 3. Fold Mountains
 - ☐ 4. Residual Mountains

Q.38 During the period of medieval Indian literature, which language began to decline as the dominant medium for Buddhist literary expression and scholarship?

- Ans**
- ☒ 1. Pali
 - ☐ 2. Sanskrit
 - ☐ 3. Apabhramsha
 - ☐ 4. Prakrit

Q.39 The RTI Act applies to which of the followings in India?

- Ans**
- ☐ 1. Only Judiciary
 - ☐ 2. Only Central Government
 - ☒ 3. All Public Authorities
 - ☐ 4. Only State Government

Q.40 Which Indian institute developed a fluorescent sensor capable of detecting cyanide in water and human cells, using just a UV light source?

- Ans**
- ☐ 1. IIT Delhi
 - ☐ 2. IIT Bombay
 - ☐ 3. IIT Madras
 - ☒ 4. IIT Guwahati

Section : Mathematics

Q.1 Sapna invested ₹20,300 on simple interest, partly at 11% per annum and partly at 3% per annum. If she earns equal interests from the two investments after 5 years, then find the sum invested at 11% per annum (in ₹).

- Ans**
- ☒ 1. 4,350
 - ☐ 2. 4,351
 - ☐ 3. 4,347
 - ☐ 4. 4,352

Q.2 The number of prime numbers lying between 430 and 443, both included, is:

- Ans**
- ☒ 1. 4
 - ☐ 2. 2
 - ☐ 3. 3
 - ☐ 4. 5

Q.3 *By how much is 65% of 65 greater than $\frac{1}{5}$ of 25?*

- Ans**
- ☐ 1. 31.25
 - ☒ 2. 37.25
 - ☐ 3. 35.25
 - ☐ 4. 34.25



Q.4 Two times the present age of P exceeds the present age of Q by 41 years. After 7 years, nine times Q's age will be 24 years less than six times P's age at that time. What is the present age (in years) of Q?

- Ans**
- ☐ 1. 19
 - ☐ 2. 22
 - ☐ 3. 20
 - ☒ 4. 13

Q.5 Evaluate: $(-9) - (-60) \div (-10) + (-3) \times 7$

- Ans**
- ☐ 1. -35
 - ☐ 2. -38
 - ☒ 3. -36
 - ☐ 4. -39

Q.6 The LCM of the numbers 14.2 and 0.05 is:

- Ans**
- ☒ 1. 14.2
 - ☐ 2. 0.142
 - ☐ 3. 142
 - ☐ 4. 1.42

Q.7 Find the mean proportional of 400 and 4.

- Ans**
- ☐ 1. 37
 - ☐ 2. 39
 - ☒ 3. 40
 - ☐ 4. 41

Q.8 A shopkeeper lists the price of a fan at 44% above its cost price and offers a 25% discount on its list price. If he earns a profit of ₹126, then what is the list price (in ₹) of the fan?

- Ans**
- ☐ 1. 1,968
 - ☐ 2. 2,192
 - ☐ 3. 2,098
 - ☒ 4. 2,268

Q.9 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 36^\circ$ and $\angle BAC = 94^\circ$, then what is the measure of $\angle ACD$ (in degree)?

- Ans**
- ☐ 1. 159°
 - ☐ 2. 186°
 - ☒ 3. 80°
 - ☐ 4. 163°

Q.10 A bus travelling at 84 km/hr completes a journey in 20 hours. What should its speed be to cover the same distance in 10 hours?

- Ans**
- ☐ 1. 167 km/hr
 - ☐ 2. 165 km/hr
 - ☐ 3. 171 km/hr
 - ☒ 4. 168 km/hr



Q.11 X, Y and Z invested a sum in the ratio of 19 : 88 : 18, respectively. If they earned a total profit of ₹2,200 at the end of the year, what is the difference between the shares of Y and Z?

- Ans**
- ☐ 1. ₹1,181
 - ☐ 2. ₹1,391
 - ☐ 3. ₹1,302
 - ☒ 4. ₹1,232

Q.12 Find the simple interest on ₹4,000 at 7.5% per annum rate of interest deposited on 9 February 2024 and withdrawn on 10 April 2024.

- Ans**
- ☐ 1. ₹51
 - ☐ 2. ₹48
 - ☐ 3. ₹49
 - ☒ 4. ₹50

Q.13 The marks scored by 10 students are given below.
18, 10, 15, 18, 18, 13, 20, 18, 17, 19
The mode of the given data is:

- Ans**
- ☒ 1. 18
 - ☐ 2. 15
 - ☐ 3. 10
 - ☐ 4. 13

Q.14 The sides of a triangle are 14 cm, 48 cm, and 50 cm. What is its area? (in cm^2)

- Ans**
- ☐ 1. 321
 - ☐ 2. 324
 - ☒ 3. 336
 - ☐ 4. 314

Q.15 Which of the following numbers divides 44,43,48,269?

- Ans**
- ☐ 1. 12
 - ☐ 2. 9
 - ☐ 3. 10
 - ☒ 4. 19

Q.16 M and N start a business. M invests ₹64,000 more than N for 2 months and N invests for 3 months. M's share is ₹552 more than that of N, out of a total profit of ₹1,656. Find the capital contributed by M.

- Ans**
- ☐ 1. ₹95,898
 - ☒ 2. ₹96,000
 - ☐ 3. ₹95,804
 - ☐ 4. ₹95,828

Q.17 The number 889897 is divisible by which of the following?

- Ans**
- ☐ 1. 52
 - ☐ 2. 64
 - ☐ 3. 69
 - ☒ 4. 59



Q.18 A can do a work in 16 days and B can do the same work in 18 days. If they work on it together for 4 days, then what fraction of the work is left?

Ans

☐ 1. $\frac{29}{36}$

☒ 2. $\frac{19}{36}$

☐ 3. $\frac{25}{36}$

☐ 4. $\frac{17}{36}$

Q.19 The population of a district is 350000, out of which 175000 are males. 36% of the population is literate. If 22% males are literate, then what percentage of females are literate?

Ans

☒ 1. 50%

☐ 2. 53%

☐ 3. 48%

☐ 4. 47%

Q.20 Hema can do a certain piece of work in 30 days. Hema and Raji can together do the same work in 25 days, and Hema, Raji and Smitha can do the same work together in 10 days. In how many days can Hema and Smitha do the same work together?

Ans

☒ 1. $\frac{75}{7}$

☐ 2. $\frac{68}{9}$

☐ 3. $\frac{84}{7}$

☐ 4. $\frac{71}{8}$

Q.21 A cuboid has dimensions 10 cm, 8 cm and 6 cm. If the largest possible cube is cut from one of the corners of the cuboid, what is the total surface area of the remaining portion?

Ans

☐ 1. 312 cm^2

☒ 2. 376 cm^2

☐ 3. 488 cm^2

☐ 4. 160 cm^2

Q.22 Rishi travels 585 km at 65 km/hr, the next 368 km at 92 km/hr and the next 168 km at 56 km/hr. What is his average speed (in km/hr) for the whole journey? (Round off your answer to two decimal places)

Ans

☐ 1. 71.81

☐ 2. 72.97

☐ 3. 70.72

☒ 4. 70.06



Q.23 The average weight of Tushar, Salil and Mukund is 45 kg. If the average weight of Tushar and Salil is 44 kg and that of Salil and Mukund is 47 kg, then the weight of Salil (in kg) is:

- Ans
- ☐ 1. 67
 - ☐ 2. 57
 - ☐ 3. 62
 - ☒ 4. 47

Q.24 Pallavi bought a toy for ₹255, decorated it at a cost of ₹5 and sold the toy for ₹154. Find the loss or profit percentage.

- Ans
- ☐ 1. $\frac{530}{13}\%$ profit
 - ☐ 2. $\frac{540}{13}\%$ profit
 - ☒ 3. $\frac{530}{13}\%$ loss
 - ☐ 4. 530 % loss

Q.25

Simplify: $\frac{(\tan A - \cot B)}{(\tan B - \cot A)}$

- Ans
- ☐ 1. $\sin A \cos B$
 - ☒ 2. $\tan A \cot B$
 - ☐ 3. $\tan B \cot A$
 - ☐ 4. $\sin B \cos A$

Q.26 Simplify $x(4x - 4) + 5(x^2 - 5) + 12$.

- Ans
- ☐ 1. $9x^2 - 4x + 13$
 - ☐ 2. $-9x^2 - 4x - 13$
 - ☒ 3. $9x^2 - 4x - 13$
 - ☐ 4. $-9x^2 - 4x + 13$

Q.27 The value of $\sqrt{196} + \sqrt{0.0225} - \sqrt{5.76}$ is _____.

- Ans
- ☐ 1. 14.68
 - ☐ 2. 11.1
 - ☒ 3. 11.75
 - ☐ 4. 12.78

Q.28 Under an offer at a shop selling trousers, customers were getting 4 trousers free on the purchase of 6 trousers. Find the discount available to the customer.

- Ans
- ☐ 1. 30%
 - ☒ 2. 40%
 - ☐ 3. 20%
 - ☐ 4. 50%



Q.29 The sum of the squares of two consecutive even natural numbers is 164. The sum of the numbers is:

- Ans**
- ☐ 1. 16
 - ☐ 2. 32
 - ☐ 3. 8
 - ☒ 4. 18

Q.30 A retailer offers a discount scheme 'Buy 3 get 1 free'. Every item costs ₹3,000. He gave a discount of 20% on the total bill to his relative. If his relative takes home 4 items, then how much he would have paid?

- Ans**
- ☒ 1. ₹7,200
 - ☐ 2. ₹5,400
 - ☐ 3. ₹7,000
 - ☐ 4. ₹6,200

Section : General Intelligence and Reasoning

Q.1 Seven people, A, B, C, T, U, V and W are sitting in a row, facing north. Only three people sit to the left of V. Only A sits to the right of U. Only three people sit between U and W. T sits at some place to the left of B but at some place to the right of C. How many people sit between C and B?

- Ans**
- ☐ 1. One
 - ☐ 2. Four
 - ☐ 3. Two
 - ☒ 4. Three

Q.2 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept below B. Only one box is kept above D. Only one box is kept between D and E. F is kept immediately above C. G is kept at some place below A. How many boxes are kept above B?

- Ans**
- ☐ 1. Five
 - ☒ 2. Four
 - ☐ 3. Three
 - ☐ 4. Two

Q.3 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Note: All numbers are single digit numbers only).

(Left) 9 # 8 \$ 1 * £ 3 4 7 + Ω 6 2 & % 5 @ (Right)

How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by another symbol?

- Ans**
- ☐ 1. 3
 - ☐ 2. 2
 - ☐ 3. 1
 - ☒ 4. 0

Q.4 In a certain code language, 'FAIR' is coded as '4627' and 'RENT' is coded as '1365'. What is the code for 'R' in the given code language?

- Ans**
- ☐ 1. 1
 - ☐ 2. 7
 - ☐ 3. 5
 - ☒ 4. 6



Q.5 WFJU is related to AINX in a certain way based on the English alphabetical order. In the same way, MRZG is related to QUDJ. To which of the given options is YALP related, following the same logic?

- Ans**
- ☐ 1. CDSP
 - ☒ 2. CDPS
 - ☐ 3. CSPO
 - ☐ 4. CSER

Q.6 IQNJ is related to GOLH in a certain way based on the English alphabetical order. In the same way, FNKG is related to DLIE. To which of the given options is CKHD related, following the same logic?

- Ans**
- ☐ 1. AIBF
 - ☐ 2. IABF
 - ☒ 3. AIFB
 - ☐ 4. IAFB

Q.7 If 'I' stands for '+', 'J' stands for 'x', 'K' stands for '÷' and 'L' stands for '−', then what will come in place of the question mark (?) in the following equation?

$$65 \text{ I } 35 \text{ L } 35 \text{ I } 15 \text{ K } 5 \text{ J } 24 \text{ I } 65 \text{ K } 5 \text{ J } 8 = ?$$

- Ans**
- ☐ 1. 211
 - ☐ 2. 316
 - ☒ 3. 241
 - ☐ 4. 303

Q.8 What should come in place of the question mark (?) in the given series?

28 49 72 97 124 ?

- Ans**
- ☐ 1. 144
 - ☐ 2. 172
 - ☒ 3. 153
 - ☐ 4. 166

Q.9 H is the brother of P. P is the brother of S. S is the daughter of K. K is the wife of L. N is the son of M. M is married to S. How is N related to L?

- Ans**
- ☐ 1. Brother's son
 - ☒ 2. Daughter's son
 - ☐ 3. Son's son
 - ☐ 4. Son

Q.10 What should come in place of the question mark (?) in the given series?

800, 1100, 850, 1150, 900, ?

- Ans**
- ☒ 1. 1200
 - ☐ 2. 1150
 - ☐ 3. 600
 - ☐ 4. 650

Q.11 Tiya, Tarun, Shyam, Jiya, Varun and Ram are sitting around a circle, facing the centre. Ram sits third to the right of Tarun. Tarun sits second to the right of Tiya. Shyam sits to the immediate right of Varun. Who sits second to the right of Tarun?

- Ans**
- ☐ 1. Varun
 - ☐ 2. Tiya
 - ☐ 3. Jiya
 - ☒ 4. Shyam



Q.12 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All fans are bulbs.
No bulb is a geyser.

Conclusions:

(I): No fan is a geyser.
(II): No geyser is a bulb.

- Ans**
- ☒ 1. Both conclusions (I) and (II) follow.
 - ☐ 2. Only conclusion (II) follows.
 - ☐ 3. Only conclusion (I) follows.
 - ☐ 4. Neither conclusion (I) nor (II) follows.

Q.13 MONK is related to SUTQ in a certain way based on the English alphabetical order. In the same way, KMLI is related to QSRO. To which of the following is CEDA related, following the same logic?

- Ans**
- ☐ 1. IKOP
 - ☒ 2. IKJG
 - ☐ 3. JUIY
 - ☐ 4. JUYT

Q.14 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$42 \times 6 - 18 \div 4 + 15 = ?$$

- Ans**
- ☒ 1. 64
 - ☐ 2. 66
 - ☐ 3. 68
 - ☐ 4. 62

Q.15 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. PRN
 - ☐ 2. VXT
 - ☐ 3. TVR
 - ☒ 4. RTO

Q.16 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All bottles are ludo.
All ludo are drums.

Conclusions:

(I): Some drums are ludo.
(II): All bottles are drums.

- Ans**
- ☐ 1. Only conclusion (I) follows.
 - ☒ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (II) follows.
 - ☐ 4. Neither conclusion (I) nor (II) follows.



Q.17 What should come in place of the question mark (?) in the given series?

515 518 523 530 539 ?

- Ans**
- ☒ 1. 550
 - ☐ 2. 549
 - ☐ 3. 548
 - ☐ 4. 551

Q.18 Seven boxes C, D, E, M, N, O and P are kept one over the other but not necessarily in the same order.
Only two boxes are kept below O. Only one box is kept above N. Only one box is kept between N and E. C is kept immediately above M. D is kept at some place below P.
How many boxes are kept between P and C?

- Ans**
- ☐ 1. One
 - ☒ 2. Four
 - ☐ 3. Three
 - ☐ 4. Two

Q.19 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

UXZ RUW ORT LOQ ?

- Ans**
- ☐ 1. IKN
 - ☐ 2. IKM
 - ☒ 3. ILN
 - ☐ 4. ILM

Q.20 Gill starts from Point A and drives 7 km towards south. She then takes a left turn, drives 12 km, turns left and drives 4 km. She then takes a left turn and drives 5 km. She takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 9 km towards west
 - ☐ 2. 7 km towards east
 - ☒ 3. 7 km towards west
 - ☐ 4. 9 km towards south

Q.21 If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$6 - 3 + 77 \times 7 \div 11 = ?$

- Ans**
- ☐ 1. 28
 - ☒ 2. 18
 - ☐ 3. 21
 - ☐ 4. 35

Q.22 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. PLQ
 - ☒ 2. EAG
 - ☐ 3. HDI
 - ☐ 4. LHM



Q.23 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.

(Left) 4 6 % Ω 9 # @ 8 \$ 7 1 * £ 5 & + 3 2 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another symbol?

- Ans**
- ☐ 1. 2
 - ☐ 2. 1
 - ☐ 3. 3
 - ☒ 4. 4

Q.24 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

86, 286
48, 248

- Ans**
- ☒ 1. 65, 265
 - ☐ 2. 70, 280
 - ☐ 3. 78, 378
 - ☐ 4. 45, 235

Q.25 Dominic starts from Point A and drives 6 km towards east. He then takes a right turn, drives 9 km, turns right and drives 11 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 11 km; south
 - ☒ 2. 10 km; south
 - ☐ 3. 13 km; south
 - ☐ 4. 12 km; south

Q.26 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. ORM
 - ☐ 2. KNI
 - ☐ 3. RUP
 - ☒ 4. TWS

Q.27 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BGK HMQ NSW TYC ?

- Ans**
- ☐ 1. ZIE
 - ☐ 2. ZLE
 - ☐ 3. ZEL
 - ☒ 4. ZEI



Q.28 Each of the digits in the number 7356981 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ 1. 9
 - ☒ 2. 11
 - ☒ 3. 8
 - ☒ 4. 10

Q.29 In a certain code language, 'FELT' is coded as '4629' and 'LOAN' is coded as '1345'. What is the code for 'L' in the given code language?

- Ans**
- ☒ 1. 4
 - ☒ 2. 3
 - ☒ 3. 1
 - ☒ 4. 2

Q.30 Seven boxes P, Q, R, S, X, Y and Z are kept one over the other, but not necessarily in the same order. Only P is kept above R. Only X is kept between R and Q. Only Z is kept below S. How many boxes are kept between Y and Z?

- Ans**
- ☒ 1. Three
 - ☒ 2. One
 - ☒ 3. Four
 - ☒ 4. Two





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	21/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which organisation has released the India Justice Report (IJR) in April 2025?

- Ans**
- ☒ 1. Ambedkar Trusts
 - ☒ 2. National Trusts
 - ☒ 3. Tata Trusts
 - ☒ 4. Bombay Public Trusts

Q.2 Which of the following is a national waterway between Haldia (Sagar) and Prayagraj?

- Ans**
- ☒ 1. National Waterways 1
 - ☒ 2. National Waterways 3
 - ☒ 3. National Waterways 4
 - ☒ 4. National Waterways 2

Q.3 Which Indian sprinter made a successful comeback by winning a silver medal in the women's 4×100m relay at the 2025 Asian Athletics Championships?

- Ans**
- ☒ 1. Hima Das
 - ☒ 2. Dhanalakshmi Sekar
 - ☒ 3. Dutee Chand
 - ☒ 4. Srabani Nanda

Q.4 Which organisation's support was crucial in India's globalisation process post 1991 economic crisis?

- Ans**
- ☒ 1. WHO
 - ☒ 2. UNICEF
 - ☒ 3. IMF
 - ☒ 4. UNESCO

Q.5 Which district became the first in India to meet its entire power demand through solar energy, as of 2025?

- Ans**
- ☒ 1. Silvassa
 - ☒ 2. Kavaratti
 - ☒ 3. Leh
 - ☒ 4. Diu



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Q.6 In February 2025, a self-cleaning, flexible heating fabric was developed by _____.

Ans  1. IIT Madras

 2. IIT Delhi

 3. IIT Guwahati

 4. IIT Bombay

Q.7 When were Bahadur Shah Zafar and his wife Begum Zinat Mahal sent to prison in Rangoon?

Ans  1. April 1857

 2. October 1858

 3. January 1859

 4. October 1857

Q.8 Which of the following coast lies in Karnataka and Kerala states?

Ans  1. Kachchh coast

 2. Kathiawar coast

 3. Malabar coast

 4. Konkan coast

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Q.9 Which Amendment gave Constitutional recognition to the National Commission for Backward Classes (NCBC)?

Ans  1. 98th Amendment Act, 2013

 2. 102nd Amendment Act, 2018

 3. 99th Amendment Act, 2014

 4. 100th Amendment Act, 2015

Q.10 Which edition of the BIMSTEC Summit in Thailand did the Indian Prime Minister attend on 4 April 2025?

Ans  1. 6th

 2. 7th

 3. 5th

 4. 8th

Q.11 Manimekali, a notable work within early Tamil literature, is categorised as which type of literary composition?

Ans  1. An Epic

 2. An Autobiography

 3. A Treatise

 4. A Memoir

Q.12 In dry areas, water from underground comes up through the soil by capillary action and dries quickly, leaving salts behind. These salts form a hard layer called:

Ans  1. hardpans

 2. pedalfer

 3. laterite

 4. granite

Q.13 The main objective of British economic policies in India was to:

Ans  1. support rural employment

 2. promote Indian self-sufficiency

 3. benefit the British economy

 4. industrialise India



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Q.14 Which of the following kings of Kalinga in the 2nd century B.C. professed Jainism in India?

- Ans**
- ☒ 1. Kharavela
 - ☐ 2. Ashoka
 - ☐ 3. Samprati
 - ☐ 4. Bindusara

Q.15 Each modern industrialised country, including India, has a National Metrology Institute (NMI). What is the main role of an NMI?

- Ans**
- ☒ 1. To maintain standards of measurements
 - ☐ 2. To monitor weather conditions
 - ☐ 3. To regulate internet access in the country
 - ☐ 4. To conduct medical research

Q.16 What is the name of the Act that governs the rules and service conditions of All-India Services?

- Ans**
- ☐ 1. All-India Civil Act, 1950
 - ☐ 2. Indian Services Governance Act, 1955
 - ☒ 3. All-India Services Act, 1951
 - ☐ 4. Civil Services Regulation Act, 1946

Q.17 Colonial policies significantly altered India's trade structure. Which of the following best describes India's foreign trade pattern at the time of independence?

- Ans**
- ☐ 1. Export of capital goods and import of consumer goods
 - ☐ 2. Export of finished goods and import of raw materials
 - ☐ 3. Balanced trade between agriculture and industry
 - ☒ 4. Export of raw materials and import of manufactured goods

Q.18 Which British policy promoted English education to create a loyal class serving British interests in India?

- Ans**
- ☒ 1. Education Policy
 - ☐ 2. Subsidiary Alliance
 - ☐ 3. Divide and Rule
 - ☐ 4. Trade Policy

Q.19 Tussocky grass grows mainly in which type of forests?

- Ans**
- ☒ 1. Tropical Thorn forests
 - ☐ 2. Tropical Deciduous forests
 - ☐ 3. Evergreen forests
 - ☐ 4. Montane forests

Q.20 Which of the following DOES NOT produce Greenhouse gases?

- Ans**
- ☒ 1. Tidal energy
 - ☐ 2. Natural gas transport fuel
 - ☐ 3. Thermal power plant
 - ☐ 4. Diesel generator

Q.21 Dr. Justice DY Chandrachud, former Chief Justice of India, joined which of the following institutions in May 2025 as a distinguished professor?

- Ans**
- ☒ 1. National Law University, Delhi (NLUD)
 - ☐ 2. Faculty of Law, University of Delhi (DU)
 - ☐ 3. Indian Law Institute (ILI)
 - ☐ 4. Guru Gobind Singh Indraprastha University (GGS Indraprastha)

Q.22 Which of the following was a major criticism of the Green Revolution in India?

- Ans**
- ☐ 1. It reduced agricultural output.
 - ☐ 2. It discouraged use of technology.
 - ☐ 3. It promoted organic farming.
 - ☒ 4. It led to regional and crop imbalances.

Q.23 Which of the following options best represents the predictions of a Punnett square?

- Ans**
- ☒ 1. Genotype and phenotype probabilities
 - ☐ 2. Genetic linkage relationships in siblings
 - ☐ 3. Genetic mutations over several generations
 - ☐ 4. DNA sequence in parents

Q.24 Which Constitutional Amendment Act abolished the provision for nominating members from the Anglo-Indian community to the State Legislative Assemblies?

- Ans**
- ☒ 1. 104th Amendment Act, 2019
 - ☐ 2. 105th Amendment Act, 2021
 - ☐ 3. 101st Amendment Act, 2016
 - ☐ 4. 102nd Amendment Act, 2018

Q.25 The Government conducted a crocodile census in the Vishwamitri River to estimate the population of mugger crocodiles. In which state is the Vishwamitri River located?

- Ans**
- ☒ 1. Gujarat
 - ☐ 2. Maharashtra
 - ☐ 3. Madhya Pradesh
 - ☐ 4. Rajasthan

Q.26 Which of the following films is considered the first Indian sound (talkie) film, marking the beginning of Bollywood?

- Ans**
- ☐ 1. Sholay
 - ☐ 2. Raja Harishchandra
 - ☒ 3. Alam Ara
 - ☐ 4. Mughal-e-Azam

Q.27 Who laid the foundation stone of the Bageshwar Dham Medical and Science Research Institute in Madhya Pradesh?

- Ans**
- ☐ 1. Mangubhai C Patel
 - ☒ 2. Narendra Modi
 - ☐ 3. Mohan Yadav
 - ☐ 4. JP Nadda

Q.28 What special provision is granted under Article 371J of the Indian Constitution?

- Ans**
- ☐ 1. Provision for official language use in Goa and Daman and Diu
 - ☒ 2. Special status for the Hyderabad–Karnataka region
 - ☐ 3. Creation of a common High Court for the northeastern states
 - ☐ 4. Special powers to the Governor of Manipur for law and order

Q.29 What significant milestone did Pixxel achieve with its 2025 space launch?

- Ans**
- ☐ 1. Launch of a reusable rocket
 - ☐ 2. India's first lunar lander by a startup
 - ☒ 3. Launch of the first private satellite constellation from India
 - ☐ 4. Construction of a domestic space observatory



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Q.30 Which of the following is the function of the Central Processing Unit (CPU) in a computer?

- Ans**
- ☐ 1. It receives input from the keyboard and mouse only.
 - ☐ 2. It stores all user files permanently.
 - ☒ 3. It processes data and controls operations of all parts of the computer.
 - ☐ 4. It sends output to printers and monitors.

Q.31 Which of the following is NOT a feature of India's federal system, thereby reflecting its unitary character?

- Ans**
- ☒ 1. Single citizenship for the entire country
 - ☐ 2. Requirement of some Constitutional Amendments to be ratified by States
 - ☐ 3. An upper house of Parliament (Rajya Sabha) representing the states
 - ☐ 4. Division of powers between the Centre and States

Q.32 Which Latin American country became the first to pull out of China's Belt and Road Initiative in February 2025?

- Ans**
- ☒ 1. Panama
 - ☐ 2. Argentina
 - ☐ 3. Chile
 - ☐ 4. Brazil

Q.33 The Eleventh Schedule of the Indian Constitution lists various subjects. Which level of government are these subjects intended for?

- Ans**
- ☐ 1. Urban Municipal Corporations
 - ☐ 2. State Governments (State legislative matters)
 - ☒ 3. Panchayati Raj Institutions (village/local level)
 - ☐ 4. Central Government (Union ministries)

Q.34 What does the abbreviation 'PCB' stand for in operating systems?

- Ans**
- ☐ 1. Program Control Block
 - ☒ 2. Process Control Block
 - ☐ 3. Primary Communication Bus
 - ☐ 4. Process Communication Block

Q.35 Who among the following had given the idea to mobilise all the leading Indian political leaders under a common platform called the Indian National Congress?

- Ans**
- ☒ 1. A O Hume
 - ☐ 2. W C Bannerjee
 - ☐ 3. Surendranath Bannerjee
 - ☐ 4. Ananda Mohan Bose

Q.36 Which fundamental law of chemistry is illustrated by the fact that hydrogen and oxygen always combine in a fixed 1 : 8 mass ratio to form water?

- Ans**
- ☐ 1. Law of Conservation of Energy
 - ☐ 2. Dalton's Atomic Theory
 - ☐ 3. Law of Multiple Proportions
 - ☒ 4. Law of Constant Proportions

Q.37 In how many cities of Bihar were the Khelo India Youth Games 2025 held?

- Ans**
- ☐ 1. 3
 - ☒ 2. 5
 - ☐ 3. 6
 - ☐ 4. 4



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Q.38 'Milind Panho' is a post-Mauryan text which contains the conversations between the Indo-Greek ruler Menander and the scholar and Buddhist monk _____.

- Ans**
- ☒ 1. Nagasena
 - ☐ 2. Badarayana
 - ☐ 3. Patanjali
 - ☐ 4. Kapila

Q.39 When did Donald Trump officially take office as the 47th President of the United States?

- Ans**
- ☒ 1. 20 January 2025
 - ☐ 2. 4 March 2025
 - ☐ 3. 1 February 2025
 - ☐ 4. 6 January 2025

Q.40 Which Indian city, also called the 'Detroit of India,' hosts manufacturers like Hyundai, BMW, Ford and Ashok Leyland, making it a major automotive hub?

- Ans**
- ☐ 1. Gurugram
 - ☐ 2. Pune
 - ☐ 3. Sanand
 - ☒ 4. Chennai

Section : Mathematics

Q.1 After allowing a discount of 28%, an article is available for ₹3,240. Its marked price is _____.

- Ans**
- ☐ 1. ₹4,147
 - ☐ 2. ₹4,450
 - ☐ 3. ₹4,332
 - ☒ 4. ₹4,500

Q.2 If the 6-digit number N84M69 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans**
- ☐ 1. $M + N = 7$
 - ☐ 2. $M - N = 1$
 - ☐ 3. $M = N$
 - ☒ 4. $M - N = -7$

Q.3 Pipe A can fill a tank in 12 hours, pipe B can fill the same tank in 22 hours and pipe C can fill the same tank in 8 hours. The time taken by them to fill the same tank if they operate together is::

- Ans**
- ☐ 1. $4\frac{63}{67}$ hours
 - ☒ 2. $3\frac{63}{67}$ hours
 - ☐ 3. $2\frac{63}{67}$ hours
 - ☐ 4. $5\frac{63}{67}$ hours



Q.4 A train that is 220 m long overtakes a man moving at a speed of 10 km/hr (in same direction) in 44 seconds. How much time (in seconds) will it take this train to completely cross another train of a length of 315 m, moving in the opposite direction at a speed of 79 km/hr?

- Ans
- ☐ 1. 14
 - ☐ 2. 32
 - ☐ 3. 28
 - ☒ 4. 18

Q.5 A sum of ₹15,625 amounts to ₹24,389 in 3 years at a certain rate of interest per annum, compounded annually. The rate of interest per annum is:

- Ans
- ☐ 1. 14%
 - ☒ 2. 16%
 - ☐ 3. 19%
 - ☐ 4. 15%

Q.6 Find the value of $[868 \div \{26 + 6 \times (3 - 7)\}]$.

- Ans
- ☐ 1. 432
 - ☐ 2. 435
 - ☐ 3. 431
 - ☒ 4. 434

Q.7 Sapna invested ₹21,700 on simple interest, partly at 3% per annum and partly at 12% per annum. If she earns equal interests from the two investments after 7 years, then find the sum invested at 3% per annum (in ₹).

- Ans
- ☒ 1. 17,360
 - ☐ 2. 17,357
 - ☐ 3. 17,361
 - ☐ 4. 17,358

Q.8 Which of the following is the greatest number that, when dividing 183, 127 and 211, leaves the same remainder each time?

- Ans
- ☐ 1. 25
 - ☒ 2. 28
 - ☐ 3. 30
 - ☐ 4. 32

Q.9 Simplify: $\frac{\sin A \tan A}{(1 - \cos A)}$

- Ans
- ☒ 1. $1 + \sec A$
 - ☐ 2. $1 + \sin A$
 - ☐ 3. $1 + \cos A$
 - ☐ 4. $1 + \operatorname{cosec} A$

Q.10 The product of two consecutive natural numbers is 182. The greater of the two numbers is:

- Ans
- ☒ 1. 14
 - ☐ 2. 26
 - ☐ 3. 7
 - ☐ 4. 27



Q.11 If the third proportional of 25 and 35 be x, then what is the value of x?

- Ans**
- ☐ 1. 52
 - ☐ 2. 51
 - ☒ 3. 49
 - ☐ 4. 50

Q.12 The sides of a triangle are 44 cm, 33 cm, and 55 cm. What is its area? (in cm^2)

- Ans**
- ☐ 1. 732
 - ☒ 2. 726
 - ☐ 3. 742
 - ☐ 4. 749

Q.13 A number, when increased by 60%, gives 3570. The number is:

- Ans**
- ☐ 1. 4462.5
 - ☐ 2. 1115.625
 - ☒ 3. 2231.25
 - ☐ 4. 6693.75

Q.14 The number of prime numbers lying between 306 and 313, both included, is:

- Ans**
- ☐ 1. 2
 - ☐ 2. 5
 - ☒ 3. 3
 - ☐ 4. 4

Q.15 A jacket is marked at ₹12,000. Store A offers two successive discounts of 15% and 10%. Store B offers two successive discounts of 10% and 15%. A customer wants to know which store provides a better deal and by how much?

- Ans**
- ☐ 1. Store A; by ₹150
 - ☐ 2. Store A; by ₹100
 - ☐ 3. Store B; by ₹100
 - ☒ 4. Both stores A and B offer the same price

Q.16 The perimeter of an equilateral triangle ABC is 22.2 cm. What is the area of triangle (in cm^2)?

- Ans**
- ☒ 1. $13.69\sqrt{3}$
 - ☐ 2. $14.93\sqrt{3}$
 - ☐ 3. $12.76\sqrt{3}$
 - ☐ 4. $11.36\sqrt{3}$

Q.17 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 74^\circ$ and $\angle BAC = 54^\circ$, then what is the measure of $\angle ACD$ (in degree)?

- Ans**
- ☒ 1. 76°
 - ☐ 2. 91°
 - ☐ 3. 85°
 - ☐ 4. 82°

Q.18 If 3 times Mary's present age is 18 years more than 5 times Diya's present age, and 2 times Diya's present age is 3 years less than Mary's present age, then what is the difference (in years) between the ages of Mary and Diya?

- Ans**
- ☒ 1. 12
 - ☐ 2. 16
 - ☐ 3. 15
 - ☐ 4. 11



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Q.19 Find the value of x satisfying: $5(5x^2 - 6) - 5(5x^2 + 2x - 4) = 20$

- Ans
- ☐ 1. 2
 - ☐ 2. 1
 - ☒ 3. -3
 - ☐ 4. -1

Q.20 The average weight of Mandar, Ketan and Tushar is 45 kg. If the average weight of Mandar and Ketan is 44 kg and that of Ketan and Tushar is 45 kg, then the weight of Ketan (in kg) is:

- Ans
- ☐ 1. 53
 - ☐ 2. 63
 - ☒ 3. 43
 - ☐ 4. 58

Q.21 Mahesh bought some sharpeners at the rate of ₹150 a dozen. He sold them for ₹41 each. His profit percentage is ____%.

- Ans
- ☐ 1. 226
 - ☐ 2. 230
 - ☐ 3. 232
 - ☒ 4. 228

Q.22 The marks scored by 10 students are given below.

18, 13, 14, 14, 19, 14, 17, 17, 14, 20

The mode of the data is:

- Ans
- ☐ 1. 13
 - ☒ 2. 14
 - ☐ 3. 18
 - ☐ 4. 19

Q.23 Find the value of: $55^{-13} \div 55^{14} \times 55^{-11}$

- Ans
- ☐ 1. 55^{-36}
 - ☐ 2. 55^{-48}
 - ☒ 3. 55^{-38}
 - ☐ 4. 55^{-32}

Q.24 By selling an article at $\frac{6}{15}$ of its actual selling price, Nirbhay incurs a loss of 14%.

If he sells it at 54% of its actual selling price, then the profit percentage is:

- Ans
- ☐ 1. 18.4%
 - ☐ 2. 18.7%
 - ☒ 3. 16.1%
 - ☐ 4. 16.5%

Q.25 Which of the following numbers divides 3,27,087?

- Ans
- ☒ 1. 3
 - ☐ 2. 12
 - ☐ 3. 8
 - ☐ 4. 5



Q.26 4 men can complete a piece of work in 18 days, while 9 women can do it in 8 days. In how many days can 3 women and 6 men complete this work?

- Ans**
- ☐ 1. 11 days
 - ☐ 2. 13 days
 - ☒ 3. 8 days
 - ☐ 4. 4 days

Q.27 A man driving a car at a speed of 41 km/hr crosses a bridge in 2.4 minutes. Find the length of the bridge.

- Ans**
- ☐ 1. 2.18 km
 - ☐ 2. 2.54 km
 - ☐ 3. 0.69 km
 - ☒ 4. 1.64 km

Q.28 A company earns a profit (in ₹) that is distributed among the company's three partners in the ratio of 14 : 10 : 16. If the difference between the smallest and the largest shares is ₹29,547, the total profit (in ₹) of the company is:

- Ans**
- ☐ 1. 1,96,892
 - ☒ 2. 1,96,980
 - ☐ 3. 1,97,067
 - ☐ 4. 1,96,943

Q.29 A man makes a monthly payment equal to 30% of his monthly salary towards debt repayment. He spends 20% of the remaining salary and saves ₹602. His monthly salary (in ₹) is:

- Ans**
- ☒ 1. 1,075
 - ☐ 2. 1,072
 - ☐ 3. 1,115
 - ☐ 4. 1,078

Q.30 M and N started a business. M invested ₹48,000 more than N for 3 months, while N invested for 4 months. M's share is ₹498 more than that of N, out of a total profit of ₹1,494. Find the capital contributed by M.

- Ans**
- ☐ 1. ₹78,600
 - ☒ 2. ₹76,800
 - ☐ 3. ₹75,000
 - ☐ 4. ₹78,000

Section : General Intelligence and Reasoning

Q.1 Seven people, I, J, K, L, U, V and W are sitting in a row, facing north. No one sits to the left of V. Only four people sit between V and I. Only three people sit to the right of K. J sits to the immediate left of W. L is not an immediate neighbour of K. Who sits at the rightmost end of the line?

- Ans**
- ☒ 1. L
 - ☐ 2. K
 - ☐ 3. W
 - ☐ 4. I



Q.2 Refer to the following letter-symbol series and answer the question that follows.
Counting is to be done from left to right only.
(Left) 7 1 \$ % 3 \$ % 8 < 7 8 1 8 # < 7 @ * 5 5 + (Right)

How many such numbers are there, each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans**
- ☒ 1. Four
 - ☒ 2. One
 - ☒ 3. Two
 - ☒ 4. Three

Q.3 Kabir ranked 27th from the top and 34th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 59
 - ☒ 2. 60
 - ☒ 3. 62
 - ☒ 4. 61

Q.4 In a certain code language, 'MORE' is coded as '1432' and 'MOVE' is coded as '3254'. What is the code for 'V' in the given code language?

- Ans**
- ☒ 1. 3
 - ☒ 2. 5
 - ☒ 3. 4
 - ☒ 4. 1

Q.5 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All kiwis are bananas. All bananas are grapes.

Conclusions (I): All kiwis are grapes.

Conclusions (II): Some grapes are bananas.

- Ans**
- ☒ 1. Only conclusion (II) follows.
 - ☒ 2. Only conclusion (I) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.6 Seven people, I, J, K, L, M, N and O are sitting in a row, facing north. Only two people sit between J and I. Only M sits to the right of K. Only one person sits between I and K. O sits at some place to the right of L but at some place to the left of N. How many people sit between N and L?

- Ans**
- ☒ 1. Two
 - ☒ 2. One
 - ☒ 3. Four
 - ☒ 4. Three

Q.7 B is the father of O. O is the wife of A. A is the brother of T. T is the daughter of S. How is B related to S?

- Ans**
- ☒ 1. Son's wife's brother
 - ☒ 2. Son's wife's sister
 - ☒ 3. Son's wife's mother
 - ☒ 4. Son's wife's father



Q.8 Which of the following options is the closest approximate value that will come in place of question mark (?) in the following equation?

$$\sqrt[3]{63.998} + \frac{5}{4} \text{ of } 120.01\% \text{ of } 399.89 - 29.99 \div 3.01 = ?$$

- Ans
- ☒ 1. 544
 - ☒ 2. 594
 - ☒ 3. 449
 - ☒ 4. 494

Q.9 XAYA is related to BECE in a certain way based on the English alphabetical order. In the same way, GJHJ is related to KNLN. To which of the given options is MPNP related, following the same logic?

- Ans
- ☒ 1. QUQV
 - ☒ 2. QSQT
 - ☒ 3. QTQT
 - ☒ 4. QTRT

Q.10 Mr. Tim starts from point A and drives 9 km towards the west. He then takes a left turn, drives 3 km, turns right and drives 11 km. He then takes a right turn and drives 4 km. He takes a final right turn, drives 20 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans
- ☒ 1. 1 km to the south
 - ☒ 2. 3 km to the south
 - ☒ 3. 4 km to the east
 - ☒ 4. 2 km to the south

Q.11 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit. Counting to be done from left to right only.

(Left) 4 6 @ 2 & % 8 \$ 7 + 1 * £ 5 & 3 Ω 9 # (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another number?

- Ans
- ☒ 1. 5
 - ☒ 2. 3
 - ☒ 3. 1
 - ☒ 4. 2

Q.12 What should come in place of the question mark (?) in the given series?

96 102 104 110 112 ?

- Ans
- ☒ 1. 118
 - ☒ 2. 116
 - ☒ 3. 120
 - ☒ 4. 119

Q.13 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged, and '-' and 'x' are interchanged?

$$13 - 2 \times 75 + 3 \div 24 = ?$$

- Ans
- ☒ 1. 38
 - ☒ 2. 34
 - ☒ 3. 46
 - ☒ 4. 25



Q.14 What will come in place of the question mark (?) in the following equation, if '+' and 'x' are interchanged and '-' and '÷' are interchanged?

$$8 + 5 \div 40 - 4 \times 17 = ?$$

- Ans**
- ☒ 1. 52
 - ☒ 2. 47
 - ☒ 3. 58
 - ☒ 4. 40

Q.15 Mohit starts from Point Y and drives 35 km towards north. He then takes a right turn, drives 83 km, turns right and drives 49 km. He then takes a right turn and drives 36 km. He takes a right turn, drives 76 km. He then turns left, drives 47 km, turns left again, drives 21 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 37 km towards west
 - ☒ 2. 39 km towards north
 - ☒ 3. 43 km towards east
 - ☒ 4. 41 km towards south

Q.16 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. NE-HL
 - ☒ 2. PG-JN
 - ☒ 3. LC-FJ
 - ☒ 4. JA-DG

Q.17 Seven boxes D, E, F, G, H, I and X are kept one over the other but not necessarily in the same order. Only F is kept above I. Only X is kept between I and E. Only H is kept below G. How many boxes are kept between D and F?

- Ans**
- ☒ 1. Three
 - ☒ 2. Two
 - ☒ 3. One
 - ☒ 4. Four

Q.18 VXZA is related to WYAB in a certain way based on the English alphabetical order. In the same way, YACD is related to ZBDE. To which of the following is BDFG related, following the same logic?

- Ans**
- ☒ 1. CFFH
 - ☒ 2. CEGH
 - ☒ 3. CDFH
 - ☒ 4. CEFH

Q.19 In a certain code language, 'the glass broke' is written as 'al tk jb' and 'answer the question' is coded as 'mo jb tu'. How is 'the' coded in the given language?

- Ans**
- ☒ 1. mo
 - ☒ 2. tk
 - ☒ 3. jb
 - ☒ 4. al



Q.20 URKE is related to ZWPJ in a certain way based on the English alphabetical order. In the same way, OLEY is related to TQJD. To which of the given options is DATN related, following the same logic?

- Ans**
- ☒ 1. IFYS
 - ☐ 2. IYSF
 - ☐ 3. IFSY
 - ☐ 4. IUOP

Q.21 What should come in place of the question mark (?) in the given series?

23 ? 46 59 73 88

- Ans**
- ☐ 1. 36
 - ☒ 2. 34
 - ☐ 3. 42
 - ☐ 4. 30

Q.22 If 1 is subtracted from each odd digit of the number 95423671, then what will be the product of the digits that are repeated more than once in the new number formed?

- Ans**
- ☐ 1. 8
 - ☒ 2. 48
 - ☐ 3. 24
 - ☐ 4. 16

Q.23 What should come in place of the question mark (?) in the given series?

50 61 78 101 132 173 ?

- Ans**
- ☐ 1. 201
 - ☒ 2. 220
 - ☐ 3. 221
 - ☐ 4. 210

Q.24 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. MPO
 - ☐ 2. YBZ
 - ☐ 3. ORP
 - ☐ 4. EHF

Q.25 In a row of 151 students facing north, Mr. Into is 12th from the right end. If Mr. Toni is 16th to the left of Mr. Into; what is Mr. Toni's position from the left end of the line?

- Ans**
- ☐ 1. 126th
 - ☐ 2. 123rd
 - ☒ 3. 124th
 - ☐ 4. 125th

Q.26 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

WJO, BHR, GFU, ?, QBA

- Ans**
- ☐ 1. LDC
 - ☐ 2. LWC
 - ☒ 3. LDX
 - ☐ 4. LMX



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Q.27 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

15, 224

8, 63

- Ans**
- ✓ 1. 9, 80
 - ✗ 2. 11, 123
 - ✗ 3. 6, 37
 - ✗ 4. 13, 170

Q.28 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✓ 1. BR-XE
 - ✗ 2. CS-YA
 - ✗ 3. VL-RT
 - ✗ 4. HX-DF

Q.29 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BD 99 GI 97 LN 93 QS 87 ?

- Ans**
- ✓ 1. VX 79
 - ✗ 2. TV 79
 - ✗ 3. UW 77
 - ✗ 4. VW 77

Q.30 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some lipsticks are tabs.

No tab is a kite.

Conclusions:

(I): Some lipsticks are kites.

(II): Some tabs are lipsticks.

- Ans**
- ✓ 1. Only conclusion (II) follows.
 - ✗ 2. Both conclusions (I) and (II) follow.
 - ✗ 3. Only conclusion (I) follows.
 - ✗ 4. Neither conclusion (I) nor (II) follows.





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	22/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 What is the condition for total internal reflection to occur?

- Ans**
- ☒ 1. Light must travel from a rarer medium to a denser medium at an angle of 90° .
 - ☒ 2. Light must travel from a denser to a rarer medium at an angle greater than the critical angle.
 - ☐ 3. Light must strike the boundary at 90° to the normal separating any two mediums of different refractive indices.
 - ☐ 4. The refractive indices of both media must be equal.

Q.2 What is 'Google Beam' introduced under Project Starline?

- Ans**
- ☐ 1. A language translation tool for real-time communication
 - ☒ 2. An AI-powered video communication platform aiming to redefine virtual interactions
 - ☐ 3. A new satellite launched by Google for global internet coverage
 - ☐ 4. A hardware device for enhancing internet speed in rural areas

Q.3 What was the main objective of India's First Five Year Plan (1951–56)?

- Ans**
- ☐ 1. Growth of IT services
 - ☐ 2. Privatisation of PSUs
 - ☐ 3. Heavy industrialisation
 - ☒ 4. Agricultural development

Q.4 Who was honoured with the Padma Bhushan in 2025 for their contributions to Indian cinema?

- Ans**
- ☐ 1. Aamir Khan
 - ☒ 2. Shekhar Kapur
 - ☐ 3. Mukesh Khanna
 - ☐ 4. Subhash Ghai

Q.5 Why is wheat grown in the north-western plains of India?

- Ans**
- ☐ 1. Because it lies close to the coastal water bodies
 - ☐ 2. Because it receives heavy rainfall during the monsoon
 - ☒ 3. Because the region has fertile alluvial soil and cool winters
 - ☐ 4. Because the region has red soil with limited annual rainfall



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Q.6 Which of the following elements provides access to system settings, installed programs, and power options from the desktop?

- Ans**
- ☐ 1. Taskbar
 - ☐ 2. File Explorer
 - ☒ 3. Start Menu
 - ☐ 4. Notification Area

Q.7 What did the Supreme Court decide in the Kesavananda Bharati case (1973) about the powers of Parliament to amend the Constitution of India?

- Ans**
- ☐ 1. The President of India has the ultimate authority to approve or reject constitutional amendments independently.
 - ☐ 2. The Parliament cannot amend any part of the Constitution under any circumstances.
 - ☒ 3. The Parliament can amend the Constitution, but it cannot change or destroy its basic structure or essential features.
 - ☐ 4. The Parliament has unlimited power to amend any part of the Constitution, including the Fundamental Rights.

Q.8 In which of the following cases did the Supreme Court uphold the Right to Privacy as a Fundamental Right in 2017?

- Ans**
- ☐ 1. Shreya Singhal vs. Union of India
 - ☐ 2. Indira Sawhney vs. Union of India
 - ☒ 3. Puttaswamy vs. Union of India
 - ☐ 4. Navtej Singh Johar vs. Union of India

Q.9 Which mode of transport is most suitable for transporting heavy and bulky goods over long distances?

- Ans**
- ☒ 1. Railways
 - ☐ 2. Pipelines
 - ☐ 3. Roadways
 - ☐ 4. Airways

Q.10 Which of the following best defines impulse in mechanics?

- Ans**
- ☐ 1. The product of mass and velocity
 - ☒ 2. The product of force and the time for which it acts
 - ☐ 3. The rate of change of momentum multiplied by the distance
 - ☐ 4. The change in displacement over time

Q.11 What was the other name of Chandragupta II, the renowned ruler of the Gupta dynasty?

- Ans**
- ☐ 1. Dhruvasena
 - ☐ 2. Suryadeva
 - ☐ 3. Karmaputra
 - ☒ 4. Vikramaditya

Q.12 Which of the following statements regarding the Ryotwari settlement is correct?
It was developed by Thomas Munro.
The settlement was made directly with the cultivators, not zamindars.
It was tested on a small scale in the annexed territories of Tipu.
Finding it successful, it was then applied in the Ganga plains.
Select the correct combination:

- Ans**
- ☐ 1. 1 and 2 only
 - ☐ 2. 1 only
 - ☒ 3. 1, 2 and 3 only
 - ☐ 4. 1, 2, 3 and 4



Q.13 Amir Khusrau is known for contributing to which two languages?

- Ans**
- ☐ 1. Sanskrit and Tamil
 - ☐ 2. Bengali and Punjabi
 - ☐ 3. Marathi and Gujarati
 - ☒ 4. Persian and Hindavi

Q.14 According to the Waqf (Amendment) Bill, 2025, within how many days can an appeal be made in the High Court on the order of the Waqf Tribunal?

- Ans**
- ☐ 1. 120 days
 - ☐ 2. 70 days
 - ☒ 3. 90 days
 - ☐ 4. 50 days

Q.15 Which of the following players was named the Men's Player of the Year at the All India Football Federation (AIFF) Awards in May 2025?

- Ans**
- ☐ 1. Gurpreet Singh Sandhu
 - ☐ 2. Sunil Chhetri
 - ☐ 3. Sandesh Jhingan
 - ☒ 4. Subhasish Bose

Q.16 Jhumur, a traditional folk dance, originated in which of the following Indian states?

- Ans**
- ☒ 1. Assam
 - ☐ 2. Punjab
 - ☐ 3. Kerala
 - ☐ 4. Gujarat

Q.17 The Human Development Index emphasises people-centric development. Who is credited with creating the HDI alongside Amartya Sen?

- Ans**
- ☐ 1. Manmohan Singh
 - ☐ 2. Jean Drèze
 - ☐ 3. Kaushik Basu
 - ☒ 4. Mahbub ul Haq

Q.18 Which of the following Committees is a Standing Committee of the Parliament?

- Ans**
- ☐ 1. Delimitation Commission
 - ☐ 2. Joint Parliamentary Committee on 2G Spectrum
 - ☐ 3. Select Committee on a Bill
 - ☒ 4. Public Accounts Committee

Q.19 Which of the following institutes proposed development of world's smallest semiconductors chip in 2025?

- Ans**
- ☒ 1. Indian Institute of Science
 - ☐ 2. IIT Delhi
 - ☐ 3. DRDO Research Lab
 - ☐ 4. BARC

Q.20 Which constitutional Articles ensure the writ jurisdiction of the Supreme Court and High Courts for enforcing fundamental rights, including RTI?

- Ans**
- ☐ 1. Articles 51 and 356
 - ☐ 2. Articles 14 and 15
 - ☐ 3. Articles 21 and 39
 - ☒ 4. Articles 32 and 226



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Q.21 How many Khelo India centres did the Delhi government propose to establish in June 2025?

- Ans**
- ☒ 1. Six
 - ☐ 2. Eight
 - ☐ 3. Two
 - ☐ 4. Ten

Q.22 What is the value of one roentgen (R) when expressed in SI units?

- Ans**
- ☐ 1. 1.0×10^{-3} grays
 - ☒ 2. 2.58×10^{-4} coulombs per kilogram
 - ☐ 3. 1.6×10^{-19} coulombs
 - ☐ 4. 3.7×10^{10} disintegrations per second

Q.23 The introduction of English education in India was promoted through which of the following documents?

- Ans**
- ☐ 1. Charter Act of 1813
 - ☐ 2. Regulating Act
 - ☒ 3. Macaulay's Minute
 - ☐ 4. Pitts India Act

Q.24 Which of the following was NOT a reason for the Paleolithic people to move from place to place?

- Ans**
- ☒ 1. Failure of crops
 - ☐ 2. Resource exhaustion
 - ☐ 3. Movement of prey animals
 - ☐ 4. Seasonal changes

Q.25 Littoral forests are most associated with which kind of ecosystem?

- Ans**
- ☒ 1. Wetland ecosystem
 - ☐ 2. Tundra ecosystem
 - ☐ 3. Grassland ecosystem
 - ☐ 4. Desert ecosystem

Q.26 What was the main motive of British colonial rule in India?

- Ans**
- ☐ 1. Social development of India
 - ☐ 2. Industrialisation of India
 - ☐ 3. Welfare of Indian farmers
 - ☒ 4. Economic exploitation of India

Q.27 The Women's Kabaddi World Cup scheduled for June 2025, was announced to be hosted in which location in India?

- Ans**
- ☐ 1. Ahmedabad
 - ☒ 2. Rajgir
 - ☐ 3. Kolkata
 - ☐ 4. Chennai

Q.28 What is the primary cause of southwest monsoon in India?

- Ans**
- ☐ 1. Tidal effects
 - ☒ 2. Differential heating of land and sea
 - ☐ 3. Westerly winds from the Atlantic
 - ☐ 4. Local winds from the desert



Q.29 On 25 April 2025, DRDO achieved a significant milestone by conducting a long-duration ground test of an active cooled scramjet subscale combustor. How long did this test last?

- Ans**
- ☐ 1. 1,500 seconds
 - ☒ 2. 1,000 seconds
 - ☐ 3. 500 seconds
 - ☐ 4. 120 seconds

Q.30 In which of the following years was the Swarnjayanti Gram Swarozgar Yojana (SGSY) launched with the aim to bring the assisted poor families (Swarozgaris) above the poverty line by organising them into Self Help Groups (SHGs) through a mix of bank credit and government subsidies?

- Ans**
- ☒ 1. 1999
 - ☐ 2. 1994
 - ☐ 3. 1991
 - ☐ 4. 2003

Q.31 Which of the following is responsible for causing convectional rainfall?

- Ans**
- ☐ 1. Cyclonic movements
 - ☒ 2. Intense surface heating causing air to rise
 - ☐ 3. Mountains forcing air to rise
 - ☐ 4. Cold and warm air masses meeting

Q.32 Which Article of the Indian Constitution states that Directive Principles are not enforceable by any court?

- Ans**
- ☐ 1. Article 36
 - ☒ 2. Article 37
 - ☐ 3. Article 38
 - ☐ 4. Article 39

Q.33 According to Article 335 of the Constitution of India, claims of SCs and STs shall be taken into consideration in matters of:

- Ans**
- ☐ 1. taxation policies
 - ☐ 2. religious freedom
 - ☐ 3. land acquisition
 - ☒ 4. public employment

Q.34 The 12th edition of the Global Terrorism Report Index (GTI) 2025 was published by _____.

- Ans**
- ☐ 1. The UN Counter-Terrorism Centre
 - ☐ 2. The United Nations Office to Counter Terrorism
 - ☒ 3. The Institute of Economic and Peace
 - ☐ 4. The United Nations Office on Drugs and Crime

Q.35 What is the name of India's high-resolution weather forecasting system launched in May 2025?

- Ans**
- ☐ 1. National Weather Grid
 - ☐ 2. Bharat Weather Network
 - ☒ 3. Bharat Forecasting System
 - ☐ 4. India Climate Monitor



Q.36 Pondicherry was captured by the Dutch in 1693 but was returned to the French company by the Treaty of Ryswick in _____.

- Ans**
- ☐ 1. 1741
 - ☐ 2. 1704
 - ☒ 3. 1699
 - ☐ 4. 1696

Q.37 Which of the following is the most effective step for mitigating the impact of an earthquake?

- Ans**
- ☒ 1. Seismic zoning and earthquake-resistant buildings
 - ☐ 2. Water harvesting
 - ☐ 3. Flood barriers
 - ☐ 4. Deforestation

Q.38 Who introduced the Railways (Amendment) Bill that was passed in the Rajya Sabha in March 2025?

- Ans**
- ☒ 1. Ashwini Vaishnaw
 - ☐ 2. Kiren Rijju
 - ☐ 3. Sarbananda Sonowal
 - ☐ 4. Hardeep Singh Puri

Q.39 Which keyboard button is used as a shortcut to rename a selected file or folder in Windows?

- Ans**
- ☐ 1. F5
 - ☒ 2. F2
 - ☐ 3. Ctrl
 - ☐ 4. Esc

Q.40 The Union Territories Laws (Amendment) Bill, which was introduced in the Lok Sabha on 17 December 2024, amends how many Acts?

- Ans**
- ☒ 1. 3
 - ☐ 2. 4
 - ☐ 3. 2
 - ☐ 4. 5

Section : **Mathematics**

Q.1 A number, when decreased by 7%, gives 3720. The number is:

- Ans**
- ☐ 1. 12000
 - ☐ 2. 8000
 - ☒ 3. 4000
 - ☐ 4. 2000

Q.2 Simplify: $3\left(\left(\frac{7}{3}\right)x^2 - 22x + 19\right) - 7(x^2 + 9x - 14)$

- Ans**
- ☐ 1. $-129x - 155$
 - ☒ 2. $-129x + 155$
 - ☐ 3. $129x + 155$
 - ☐ 4. $129x - 155$



Q.3 The sum of five numbers is 655. The average of the first two numbers is 80 and the third number is 102. Find the average of the remaining two numbers.

- Ans
- ☒ 1. 196.5
 - ☐ 2. 182
 - ☐ 3. 183
 - ☐ 4. 197.5

Q.4 A mobile phone is marked at ₹20,000. During a festive sale, a store offers two successive discounts — 15% first and then 10%. What is the final selling price of the mobile?

- Ans
- ☐ 1. ₹15,000
 - ☐ 2. ₹15,500
 - ☒ 3. ₹15,300
 - ☐ 4. ₹16,000

Q.5 Which of the following numbers is divisible by 22?

- Ans
- ☒ 1. 7467614
 - ☐ 2. 6136901
 - ☐ 3. 6580350
 - ☐ 4. 8132950

Q.6 Manisha bought a toy for ₹940, decorated it at a cost of ₹10 and sold the toy for ₹659. Find the loss or profit percentage.

- Ans
- ☐ 1. $\frac{582}{19}\%$ profit
 - ☒ 2. $\frac{582}{19}\%$ loss
 - ☐ 3. 582 % loss
 - ☐ 4. $\frac{592}{19}\%$ profit

Q.7 If 2 times the age of Ram is 14 years more than 6 times the age of Ramya, and 4 times the age of Ramya is 4 years less than the age of Ram, then what is the difference (in years) between the ages of Ram and Ramya?

- Ans
- ☐ 1. 15
 - ☐ 2. 17
 - ☒ 3. 13
 - ☐ 4. 14

Q.8 If the third proportional of 4 and 22 be x, then what is the value of x?

- Ans
- ☐ 1. 122
 - ☒ 2. 121
 - ☐ 3. 123
 - ☐ 4. 119

Q.9 The value of $\sqrt{121} + \sqrt{0.0121} - \sqrt{7.84}$ is ____.

- Ans
- ☐ 1. 3.9
 - ☒ 2. 8.31
 - ☐ 3. 7.73
 - ☐ 4. 10.34



Q.10 If the 6-digit number N01M22 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans**
- ☒ 1. $M - N = 1$
 - ☐ 2. $M + N = -1$
 - ☐ 3. $M - N = 5$
 - ☐ 4. $M = N$

Q.11 If the difference between an interior angle and exterior angle of a regular polygon is 140° , then the number of sides of the polygon is equal to:

- Ans**
- ☐ 1. 12
 - ☐ 2. 14
 - ☒ 3. 18
 - ☐ 4. 16

Q.12 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 1 month.

- Ans**
- ☐ 1. ₹8
 - ☐ 2. ₹24
 - ☐ 3. ₹4
 - ☒ 4. ₹48

Q.13 Find the surface area (rounded off to the nearest integer) of a sphere of radius 6.5 cm. (Take $\pi = 22/7$)

- Ans**
- ☐ 1. 534 cm^2
 - ☐ 2. 540 cm^2
 - ☒ 3. 531 cm^2
 - ☐ 4. 530 cm^2

Q.14 A man driving a car at a speed of 67 km/hr crosses a bridge in 3 minutes. Find the length of the bridge.

- Ans**
- ☐ 1. 2.46 km
 - ☒ 2. 3.35 km
 - ☐ 3. 2.84 km
 - ☐ 4. 2.51 km

Q.15 The HCF and LCM of two numbers are 11 and 792, respectively. If one number is 88, then find the other number.

- Ans**
- ☒ 1. 99
 - ☐ 2. 97
 - ☐ 3. 93
 - ☐ 4. 89

Q.16 A company offers three schemes of successive discounts.

First: 25%, 10%
Second: 20 %, 15%
Third: 30%, 5%

Which scheme is best for the company?

- Ans**
- ☐ 1. First scheme
 - ☐ 2. Third scheme
 - ☐ 3. All the schemes are same
 - ☒ 4. Second scheme



Q.17 Five solid cubes, each of volume 3375 cm^3 , are joined end to end to form a cuboid. What is the lateral surface area (in cm^2) of the cuboid?

- Ans**
- ☒ 1. 2700
 - ☐ 2. 2409
 - ☐ 3. 2801
 - ☐ 4. 2694

Q.18 Anjali can do a certain piece of work in 21 days. Anjali and Ayushi can together do the same work in 12 days, and Anjali, Ayushi and Ankita can do the same work together in 8 days. In how many days can Anjali and Ankita do the same work?

- Ans**
- ☐ 1. $\frac{47}{6}$
 - ☐ 2. $\frac{57}{7}$
 - ☐ 3. $\frac{48}{5}$
 - ☒ 4. $\frac{56}{5}$

Q.19 If $M = \sqrt{\frac{1 + \cos A}{1 - \cos A}} - \operatorname{cosec} A - \cot A$, and A is an acute angle, then value of M is

- Ans**
- ☐ 1. 1
 - ☒ 2. 0
 - ☐ 3. 2
 - ☐ 4. -1

Q.20 The sum of two numbers is 52 and their LCM is 627. The two numbers are:

- Ans**
- ☒ 1. 19, 33
 - ☐ 2. 12, 40
 - ☐ 3. 17, 35
 - ☐ 4. 24, 28

Q.21 In covering a distance of 156 km, Abhay takes 5 hours more than Sameer. If Abhay doubles his speed, then he would take 8 hours less than Sameer. Abhay's speed is:

- Ans**
- ☐ 1. 16 km/hr
 - ☐ 2. 1 km/hr
 - ☒ 3. 6 km/hr
 - ☐ 4. 7 km/hr

Q.22 Evaluate: $(-9) - (-60) \div (-10) + (-2) \times 6$

- Ans**
- ☒ 1. -27
 - ☐ 2. -30
 - ☐ 3. -26
 - ☐ 4. -29

Q.23 The product of two positive numbers is 10125. If the first number is five times the second number, then the sum of the two numbers is:

- Ans**
- ☐ 1. 265
 - ☐ 2. 286
 - ☐ 3. 264
 - ☒ 4. 270



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Q.24 If the interest earned during the 2nd year on a certain sum is ₹5,214, and the rate of interest is 10% per annum compounded annually, then the sum is:

- Ans
- ☐ 1. ₹47,755
 - ☐ 2. ₹46,650
 - ☐ 3. ₹47,320
 - ☒ 4. ₹47,400

Q.25 A trader claims to sell pulses at a profit of 3%, but also dishonestly uses a weight which is 15% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)

- Ans
- ☐ 1. 26%
 - ☐ 2. 20%
 - ☒ 3. 21%
 - ☐ 4. 16%

Q.26 Kushal and Brijesh together invested ₹63,300 in a business. At the end of the year, out of a total profit of ₹17,600, Brijesh's share was ₹2,200. What was the difference between their investments?

- Ans
- ☐ 1. ₹48,876
 - ☐ 2. ₹45,979
 - ☒ 3. ₹47,475
 - ☐ 4. ₹46,154

Q.27 Pipe A can fill a tank in 13 hours, pipe B can fill the same tank in 29 hours and pipe C can fill the same tank in 10 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ☐ 1. $11\frac{582}{797}$ hours
 - ☐ 2. $3\frac{582}{797}$ hours
 - ☒ 3. $4\frac{582}{797}$ hours
 - ☐ 4. $10\frac{582}{797}$ hours

Q.28 The average runs scored by a batsman in 23 matches is 42. In the next 10 matches, the batsman scored an average of 14 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

- Ans
- ☒ 1. 33.52
 - ☐ 2. 32.52
 - ☐ 3. 35.52
 - ☐ 4. 34.52

Q.29 The income of Raman is ₹60,500. He saves 26% of his income. If his income increases by 17% and expenditure increases by 50%, then his savings will:

- Ans
- ☐ 1. increase by ₹12,099
 - ☐ 2. decrease by ₹12,095
 - ☒ 3. decrease by ₹12,100
 - ☐ 4. increase by ₹12,098



Q.30 Mr. Sharma, Mr. Gupta and Ms. Sinha invested ₹4,000, ₹8,000 and ₹6,000, respectively, in a business. Mr. Sharma left the business after 6 months. If after 8 months, there was a gain of ₹34,000, then what will be the share of Mr. Gupta?

- Ans**
- ☒ 1. ₹12,000
 - ☒ 2. ₹20,000
 - ☒ 3. ₹16,000
 - ☒ 4. ₹14,000

Section : General Intelligence and Reasoning

Q.1 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. GI-LE
 - ☒ 2. JL-OH
 - ☒ 3. MO-RK
 - ☒ 4. DF-IC

Q.2 What will come in the place of the question mark (?) in the following equation, if '÷' and '×' are interchanged and '-' and '+' are interchanged?

$$117 + 16 - 10 \times 2 \div 2 - 68 + 10 \times 5 - 9 = ?$$

- Ans**
- ☒ 1. 124
 - ☒ 2. 96
 - ☒ 3. 168
 - ☒ 4. 186

Q.3 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. INS
 - ☒ 2. QBA
 - ☒ 3. TYD
 - ☒ 4. UZE

Q.4 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order.
Only F is kept above A. Only two boxes are kept between A and D. Only B is kept below C. G is not kept immediately above D.
How many boxes are kept between B and E?

- Ans**
- ☒ 1. 1
 - ☒ 2. 4
 - ☒ 3. 3
 - ☒ 4. 2

Q.5 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

RUM ORJ LOG ILD ?

- Ans**
- ☒ 1. FJA
 - ☒ 2. FIA
 - ☒ 3. FIB
 - ☒ 4. FJB



Q.6 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some kites are hats. No hat is a ant.

Conclusion (I): Some kites are ants.

Conclusion (II): Some hats are kites.

- Ans**
- ☒ 1. Only conclusion (I) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.7 Each of the digits in the number 7231456 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ 1. 7
 - ☒ 2. 10
 - ☒ 3. 8
 - ☒ 4. 5

Q.8 Seven boxes F, G, H, M, N, O and P are kept one over the other but not necessarily in the same order. Only three boxes are kept below H. Only two boxes are kept between H and O. Only N is kept above G. F is kept at some place below M and at some place above P. Which box is kept at second position from the bottom?

- Ans**
- ☒ 1. F
 - ☒ 2. P
 - ☒ 3. G
 - ☒ 4. N

Q.9 What should come in place of the question mark (?) in the given series?

1200, 1200, 1800, 3600, 9000, ?

- Ans**
- ☒ 1. 18000
 - ☒ 2. 12000
 - ☒ 3. 15000
 - ☒ 4. 27000

Q.10 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digits. Counting to be done from left to right only.

(Left) & 1 # 6 * ^ @ 3 & \$ 7 Ω \$ 2 # 6 @ 2 % 9 (Right)

If all the symbols are dropped from the series, which of the following will be third from the left?

- Ans**
- ☒ 1. 6
 - ☒ 2. 3
 - ☒ 3. 7
 - ☒ 4. 1



Q.11 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

BURN - BNRU - NRUB
SONG - SGNO - GNOS

- Ans  1. RAIL - ARIL - LAIR
 2. CAME - CEMA - EMAC
 3. WINK - WNIK - KNIW
 4. CODE - COED - ODEC

Q.12 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All actors are dancers.
Some dancers are singers.

Conclusions:

(I) All dancers are actors.
(II) No singer is a dancer.

- Ans  1. Both conclusions (I) and (II) follow.
 2. Only conclusion (I) follows.
 3. Neither conclusion (I) nor (II) follows.
 4. Only conclusion (II) follows.

Q.13 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Note: All numbers are single digit numbers only.)

(Left) 4 7 + \$ 1 * £ 3 & % 5 @ Ω 6 2 9 # 8 (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by another symbol?

- Ans  1. 5
 2. 2
 3. 3
 4. 4

Q.14 Atul starts from his home and drives 5 km towards north. He then takes a left turn, drives 6 km, turns left, and drives 4 km. He then takes a right turn and drives 5 km and reaches his office. In which direction is the office with respect to his home? (Note: All turns are 90° turns only, unless specified.)

- Ans  1. North-west
 2. East
 3. West
 4. North

Q.15 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(196, 142, 338)

(145, 198, 343)

- Ans  1. (149, 152, 300)
 2. (183, 209, 392)
 3. (184, 130, 318)
 4. (164, 178, 352)



Q.16 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.
TYP : UZQ
ETQ : FUR

- Ans**
- ☐ 1. WER : ZFS
 - ☐ 2. ELA : FCD
 - ☐ 3. UIP : VJR
 - ☒ 4. OUT : PVU

Q.17 What should come in place of ? in the given series based on the English alphabetical order?

BJS CLT DNU EPV ?

- Ans**
- ☐ 1. GRV
 - ☐ 2. GSV
 - ☐ 3. FRV
 - ☒ 4. FRW

Q.18 FNJG is related to DLHE in a certain way based on the English alphabetical order. In the same way, IQMJ is related to GOKH. To which of the given options is MUQN related, following the same logic?

- Ans**
- ☐ 1. SKOL
 - ☐ 2. SKLO
 - ☒ 3. KSOL
 - ☐ 4. KSLO

Q.19 What should come in place of the question mark (?) in the given series?

195 189 180 174 165 159 ?

- Ans**
- ☐ 1. 149
 - ☐ 2. 153
 - ☐ 3. 155
 - ☒ 4. 150

Q.20 Seven people A, B, C, D, E, F and G are sitting in a row, facing north. Only two people sit between D and C. Only G sits to the right of E. Only one person sits between C and E. A sits at some place to the right of F but at some place to the left of B. How many people sit to the right of A?

- Ans**
- ☒ 1. 4
 - ☐ 2. 3
 - ☐ 3. 5
 - ☐ 4. 2

Q.21 If + means 'subtraction', - means 'division', ÷ means 'multiplication', × means 'addition', then what will come in place of the question mark (?) in the following equation?

$9 - 3 \times 756 + 84 \div 3 = ?$

- Ans**
- ☐ 1. 509
 - ☐ 2. 510
 - ☐ 3. 508
 - ☒ 4. 507



Q.22 Prabash starts from Point A and drives 6 km towards east. He then takes a left turn, drives 4 km, turns left and drives 9 km. He then takes a left turn and drives 7 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (Note: All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ 1. 2 km to the north
 - ☐ 2. 4 km to the north
 - ☒ 3. 3 km to the north
 - ☐ 4. 1 km to the north

Q.23 In a certain code language, 'GLUE' is coded as '4627' and 'LOAD' is coded as '1375'. What is the code for 'L' in the given code language?

- Ans**
- ☐ 1. 3
 - ☒ 2. 7
 - ☐ 3. 6
 - ☐ 4. 1

Q.24 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)

- Ans**
- ☒ 1. TP-AX
 - ☐ 2. GC-OK
 - ☐ 3. HD-PL
 - ☐ 4. NJ-VR

Q.25 In a certain code language, 'DEAR' is coded as '4627' and 'TURN' is coded as '1375'. What is the code for 'R' in the given code language?

- Ans**
- ☐ 1. 5
 - ☒ 2. 7
 - ☐ 3. 1
 - ☐ 4. 6

Q.26 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept below G. Only two boxes are kept between G and B. Only A is kept above F. E is kept at some place below D and at some place above C. How many boxes are kept above E?

- Ans**
- ☐ 1. 2
 - ☒ 2. 4
 - ☐ 3. 1
 - ☐ 4. 3

Q.27 Seven people, A, B, C, D, P, Q and R, are sitting in a row, facing north. Only two people sit between Q and R. Only D sits to the right of A. Only one person sits between R and A. B sits at some place to the right of P but at some place to the left of C. How many people sit between C and P?

- Ans**
- ☐ 1. Four
 - ☐ 2. One
 - ☐ 3. Three
 - ☒ 4. Two



Q.28 D is married to N. K is the daughter of X. X is the father of D. D is the mother of G. G is the brother of I. I is the sister of E. I is married to H. How is X related to E?

- Ans**
- ☐ 1. Husband's father
 - ☒ 2. Mother's father
 - ☐ 3. Father's father
 - ☐ 4. Father

Q.29 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 2736158, what will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

- Ans**
- ☐ 1. 7
 - ☒ 2. 8
 - ☐ 3. 10
 - ☐ 4. 12

Q.30 What should come in place of the question mark (?) in the given series?

31 42 57 76 99 ?

- Ans**
- ☒ 1. 126
 - ☐ 2. 127
 - ☐ 3. 125
 - ☐ 4. 128





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	22/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 When referring to the conventional rod puppet shows of West Bengal, what is the name used?

- Ans**
- ☒ 1. Putul Nautch
 - ☐ 2. Kathputli
 - ☐ 3. Yakshagana
 - ☐ 4. Gombeyatta

Q.2 In May 2025, DRDO inaugurated a new research centre focusing on which advanced technology?

- Ans**
- ☐ 1. Artificial Intelligence
 - ☐ 2. Robotics
 - ☒ 3. Quantum Technology
 - ☐ 4. Nanotechnology

Q.3 Which among the following two organisations signed an Memorandum of Understanding to establish an incubation centre promoting innovation in solar energy and green hydrogen in May 2025?

- Ans**
- ☐ 1. Ministry of New and Renewable Energy and Bharat Heavy Electricals Limited
 - ☐ 2. Defence Research and Development Organisation and National Thermal Power Corporation
 - ☐ 3. National Institution for Transforming India Aayog and Indian Space Research Organisation
 - ☒ 4. National Solar Energy Federation of India and National Institute of Solar Energy

Q.4 Which DRDO-developed system, tested in 2025, is designed to detect and neutralise multiple types of underwater threats?

- Ans**
- ☐ 1. Varunastra
 - ☒ 2. Maareech
 - ☐ 3. MIGM
 - ☐ 4. Takshak

Q.5 Bhaga and Chandra streams join at which place in Himachal Pradesh forming the river Chenab?

- Ans**
- ☒ 1. Tandi
 - ☐ 2. Kullu
 - ☐ 3. Rohtang Pass
 - ☐ 4. Verinag Spring



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Q.6 Which Fundamental Right guarantees Freedom of Speech, Assembly and Movement?

- Ans**
- ☐ 1. Right to Cultural Rights
 - ☐ 2. Right to Equality
 - ☒ 3. Right to Freedom
 - ☐ 4. Right to Constitutional Remedies

Q.7 Which of the following is the correct method to create a new folder using the File menu in Windows 7?

- Ans**
- ☐ 1. Open Computer → Right-click drive → File → New → Folder
 - ☒ 2. Open Computer → Open desired drive (e.g., D:) → Click on File → New → Folder
 - ☐ 3. Start → File → Folder → New
 - ☐ 4. Control Panel → File → Create → New Folder

Q.8 In which year was the first metro line in India, between Esplanade and Bhowanipur in Kolkata, inaugurated—marking the beginning of metro rail services in the country?

- Ans**
- ☐ 1. 1994
 - ☐ 2. 1977
 - ☐ 3. 1990
 - ☒ 4. 1984

Q.9 How many significant figures are there in 2.308 cm?

- Ans**
- ☐ 1. 2
 - ☐ 2. 3
 - ☒ 3. 4
 - ☐ 4. 5

Q.10 Which of the following is NOT a function under the Twelfth Schedule of the Constitution?

- Ans**
- ☐ 1. Public health
 - ☒ 2. Foreign trade promotion
 - ☐ 3. Urban poverty alleviation
 - ☐ 4. Urban planning

Q.11 What does Ctrl + F help users to do?

- Ans**
- ☐ 1. Find a file on the desktop
 - ☐ 2. Forward an email
 - ☒ 3. Find text in the current document or webpage
 - ☐ 4. Format the document

Q.12 Who was appointed as the Chief Election Commissioner of India in February 2025?

- Ans**
- ☐ 1. Sunil Arora
 - ☐ 2. Sushil Chandra
 - ☒ 3. Gyanesh Kumar
 - ☐ 4. Rajiv Kumar

Q.13 Who among the following Delhi sultans accidentally died during a game of polo in the year 1210?

- Ans**
- ☒ 1. Qutbuddin Aibak
 - ☐ 2. Jalaluddin Khilji
 - ☐ 3. Firuz Shah Tughluq
 - ☐ 4. Ibrahim Lodi



Q.14 Kartik Aaryan won the Best Performance in a Leading Role (Male) award at the 25th IIFA Awards held in March 2025 at Jaipur for his performance in which of the following films?

- Ans**
- ☐ 1. Chandu Champion
 - ☐ 2. Shehzada
 - ☐ 3. Satyaprem Ki Katha
 - ☒ 4. Bhool Bhulaiyaa 3

Q.15 The February 2025 Technology Adoption Fund launched by IN-SPACe has earmarked _____ to support private space start-ups.

- Ans**
- ☐ 1. ₹100 crore
 - ☐ 2. ₹1,000 crore
 - ☒ 3. ₹500 crore
 - ☐ 4. ₹250 crore

Q.16 This revolutionary freedom fighter co-founded the Hindustan Socialist Republican Association in 1928. Along with B K Dutt, he threw a bomb in the Central Legislative Assembly in 1929. He was tried and executed at the age of 23, along with revolutionaries Sukhdev Thapar and Shivaram Rajguru. The freedom fighter is:

- Ans**
- ☐ 1. Ramprasad Bismil
 - ☒ 2. Bhagat Singh
 - ☐ 3. Uddham Singh
 - ☐ 4. Chandrasekhar Azad

Q.17 The Inter-State Council is constituted under which Article?

- Ans**
- ☒ 1. Article 263
 - ☐ 2. Article 368
 - ☐ 3. Article 280
 - ☐ 4. Article 346

Q.18 Clean cooking fuel is essential for rural women's health and environmental sustainability. Which scheme provides LPG connections to women in BPL households?

- Ans**
- ☐ 1. Pradhan Mantri Awaas Yojana - Gramin
 - ☒ 2. Pradhan Mantri Ujjwala Yojana
 - ☐ 3. Pradhan Mantri Gram Sadak Yojana
 - ☐ 4. Saansad Adarsh Gram Yojana

Q.19 In which city was the agreement signed in March 2025 to resolve the border dispute between Kyrgyzstan and Tajikistan?

- Ans**
- ☐ 1. Batken
 - ☒ 2. Bishkek
 - ☐ 3. Osh
 - ☐ 4. Dushanbe

Q.20 If we derive an expression for velocity, its dimension should be _____.

- Ans**
- ☐ 1. $M^0L^1T^1$
 - ☐ 2. $M L^{-1}T^{-2}$
 - ☐ 3. $M^{-1}L^1T^{-1}$
 - ☒ 4. $M^0L^1T^{-1}$



Q.21 Which of the following processes is absent in C₄ plants?

- Ans**
- ☐ 1. Transpiration
 - ☒ 2. Photorespiration
 - ☐ 3. Photosynthesis
 - ☐ 4. Respiration

Q.22 Which valuable tree grows mainly in the western Himalayas and is used in construction?

- Ans**
- ☐ 1. Magnolia
 - ☐ 2. Rhododendron
 - ☐ 3. Cinchona
 - ☒ 4. Deodar

Q.23 Which of the following is cited as evidence for a highly centralised administration in the Indus-Sarasvati civilisation?

- Ans**
- ☐ 1. Elaborate royal tombs
 - ☐ 2. Absence of seals and standard script
 - ☒ 3. Standardised weights and measures
 - ☐ 4. Monumental palaces and temples

Q.24 Which non-constitutional body investigates corruption complaints against public servants?

- Ans**
- ☐ 1. Finance Commission
 - ☒ 2. Lokpal
 - ☐ 3. Election Commission
 - ☐ 4. Union Public Service Commission

Q.25 Which Indian Army officer has written the book titled 'Ready, Relevant and Resurgent: A Blueprint for the Transformation of India's Military', which was unveiled by the Defence Minister Rajnath Singh in May 2025?

- Ans**
- ☒ 1. CDS General Anil Chauhan
 - ☐ 2. Lieutenant General NS Raja Subramani
 - ☐ 3. Lieutenant General Rajiv Ghai
 - ☐ 4. General Upendra Dwivedi

Q.26 The brothers Sidhu and Kanhu were the leaders of which of the following tribal uprisings?

- Ans**
- ☐ 1. Koya revolts
 - ☒ 2. Santhal Rebellion
 - ☐ 3. Kol Mutiny
 - ☐ 4. Ho uprising

Q.27 Which of the following is/are an ancient set of inscriptions, promoting moral values and governance principles and is considered one of the earliest written records in Indian history?

- Ans**
- ☐ 1. Arthashastra
 - ☐ 2. Upanishads
 - ☐ 3. Vedas
 - ☒ 4. Edicts of Ashoka



Q.28 Which of the following human activities contributes the most to the increase in atmospheric carbon dioxide levels?

- Ans**
- ☐ 1. Construction of dams
 - ☒ 2. Burning of fossil fuels
 - ☐ 3. Use of fertilisers in agriculture
 - ☐ 4. Afforestation

Q.29 Which of the following organisations developed the nanoporous multilayered polymeric membrane for high-pressure seawater desalination in May 2025?

- Ans**
- ☐ 1. Council of Scientific and Industrial Research (CSIR)
 - ☐ 2. Department of Science and Technology (DST)
 - ☒ 3. Defence Research and Development Organisation (DRDO)
 - ☐ 4. Indian Space Research Organisation (ISRO)

Q.30 The Juvenile Justice (Care and Protection of Children) Act, 2015, allows juveniles aged 16-18 to be tried as adults in cases of:

- Ans**
- ☐ 1. theft
 - ☐ 2. drug abuse
 - ☐ 3. cybercrime
 - ☒ 4. heinous crimes

Q.31 According to constitutional provisions, what is the maximum permissible size of a State Council of Ministers, including the Chief Minister?

- Ans**
- ☐ 1. 20% of the total strength of the Legislative Assembly
 - ☐ 2. No specific limit is defined
 - ☒ 3. 15% of the total strength of the Legislative Assembly
 - ☐ 4. 10% of the total strength of the Legislative Assembly

Q.32 Which of the following is considered a major challenge to human development in India?

- Ans**
- ☐ 1. Rapid urbanisation
 - ☐ 2. High foreign exchange reserves
 - ☐ 3. Increasing digital infrastructure
 - ☒ 4. Persistent regional disparities

Q.33 During the colonial period, the services sector accounted for only ____.

- Ans**
- ☐ 1. 22-29%
 - ☐ 2. 5-10%
 - ☒ 3. 15-20%
 - ☐ 4. 25-32%

Q.34 In which of the following years was the first thermal power plant of the Calcutta Electric Supply Corporation Limited commissioned?

- Ans**
- ☐ 1. 1909
 - ☐ 2. 1916
 - ☐ 3. 1925
 - ☒ 4. 1899

Q.35 Which among the following state lies in the south of the Great Indian Desert?

- Ans**
- ☐ 1. Madhya Pradesh
 - ☒ 2. Gujarat
 - ☐ 3. Uttar Pradesh
 - ☐ 4. Haryana



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Q.36 Where was Exercise Dharma Guardian, 2025, held?

- Ans**
- ☐ 1. Pune, India
 - ☐ 2. New Delhi, India
 - ☒ 3. East Fuji, Japan
 - ☐ 4. Tokyo, Japan

Q.37 Which Indian airport secured a position among the top 10 hub airports in the Asia-Pacific and Middle East region in the 2024 ACI Hub Connectivity Rankings?

- Ans**
- ☐ 1. Chhatrapati Shivaji Maharaj International Airport
 - ☐ 2. Chennai International Airport
 - ☐ 3. Kempegowda International Airport
 - ☒ 4. Indira Gandhi International Airport (IGIA)

Q.38 Who among the following won a maiden Italian Open title in May 2025 by defeating world No. 1 Jannik Sinner in Rome?

- Ans**
- ☐ 1. Daniil Medvedev
 - ☐ 2. Novak Djokovic
 - ☒ 3. Carlos Alcaraz
 - ☐ 4. Rafael Nadal

Q.39 To harden the steel, which material is required in the steel industry?

- Ans**
- ☐ 1. Mica
 - ☒ 2. Manganese
 - ☐ 3. Limestone
 - ☐ 4. Bauxite

Q.40 Lala Lajpat Rai, Indian revolutionary politician and author was also recognised by which of the following title?

- Ans**
- ☐ 1. Mahamana
 - ☐ 2. Tilak of Punjab
 - ☐ 3. Deshbandhu
 - ☒ 4. Punjab Kesari

Section : Mathematics

Q.1 If the marked price of a book is ₹900, then find the selling price of the book after getting discount of 13%.

- Ans**
- ☐ 1. ₹891
 - ☐ 2. ₹789
 - ☒ 3. ₹783
 - ☐ 4. ₹889

Q.2 The average of three numbers is 20. If two of them are 18 and 28, the third number is:

- Ans**
- ☐ 1. 15
 - ☐ 2. 16
 - ☒ 3. 14
 - ☐ 4. 13



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Q.3 An amount of ₹638 is divided among three persons in the ratio of 2 : 5 : 4. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans**
- ☐ 1. 76
 - ☐ 2. 110
 - ☐ 3. 157
 - ☒ 4. 174

Q.4 2 men can complete a piece of work in 18 days, while 4 women can do it in 6 days. In how many days can 6 women and 9 men complete this work?

- Ans**
- ☐ 1. 1 day
 - ☒ 2. 2 days
 - ☐ 3. 3 days
 - ☐ 4. 4 days

Q.5 If 2 times Mary's present age is 20 years more than 6 times Diya's present age, and 5 times Diya's present age is 6 years less than Mary's present age, then what is the difference (in years) between the ages of Mary and Diya?

- Ans**
- ☐ 1. 15
 - ☐ 2. 18
 - ☐ 3. 16
 - ☒ 4. 14

Q.6 Anaya has to reach Hyderabad which is 574 km away in 18 hours. His starting speed for 11 hours was 36 km/hr. For the next 136 km his speed was 34 km/hr. By what speed he must travel now so as to reach Hyderabad in the decided time of 18 hours?

- Ans**
- ☐ 1. 8 km/hr
 - ☒ 2. 14 km/hr
 - ☐ 3. 9 km/hr
 - ☐ 4. 20 km/hr

Q.7 The simple interest on a certain sum for $7\frac{1}{3}$ years at the rate of 4.5% per annum is ₹6,270.

What will be the amount payable on the same sum at the rate of 8.6% per annum simple interest in $11\frac{1}{2}$ years?

- Ans**
- ☐ 1. ₹37,783
 - ☒ 2. ₹37,791
 - ☐ 3. ₹37,784
 - ☐ 4. ₹37,794

Q.8 Find the mean proportional between 18 and 32.

- Ans**
- ☒ 1. 24
 - ☐ 2. 21
 - ☐ 3. 26
 - ☐ 4. 23



Q.9

If

$$x = a \operatorname{cosec} A \sin B,$$

$$y = b \operatorname{cosec} A \cos B, \text{ and}$$

$$z = c \cot A,$$

then, what is the value of $\frac{x^2}{a^2} + \frac{y^2}{b^2} - \frac{z^2}{c^2}$?

- Ans
- ☐ 1. -2
 - ☐ 2. -1
 - ☐ 3. 0
 - ☒ 4. 1

Q.10 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 2 months.

- Ans
- ☒ 1. ₹96
 - ☐ 2. ₹16
 - ☐ 3. ₹28
 - ☐ 4. ₹8

Q.11 The average runs scored by a batsman in 23 matches is 40. In the next 10 matches, the batsman scored an average of 14 runs. Find his average runs scored (rounded off to two decimal places) in all 33 matches.

- Ans
- ☒ 1. 32.12
 - ☐ 2. 33.12
 - ☐ 3. 31.12
 - ☐ 4. 34.12

Q.12 Pipe A can fill a tank in 16 hours, pipe B can fill the same tank in 26 hours and pipe C can fill the same tank in 16 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ☐ 1. $9\frac{2}{17}$ hours
 - ☐ 2. $2\frac{2}{17}$ hours
 - ☒ 3. $6\frac{2}{17}$ hours
 - ☐ 4. $3\frac{2}{17}$ hours

Q.13 The value of $6^2 + \sqrt{3^2} - 7\sqrt{81} - 16$ is

- Ans
- ☐ 1. -50
 - ☒ 2. -40
 - ☐ 3. -37
 - ☐ 4. -32



Q.14 The HCF and the LCM of two numbers are 24 and 288, respectively. If one of the numbers is 72, find the other one.

- Ans
- ☐ 1. 10
 - ☐ 2. 20
 - ☐ 3. 170
 - ☒ 4. 96

Q.15 The LCM of $2^3 \times 7^2 \times 12$, $2^2 \times 12^2 \times 18$ and $7^3 \times 12^2 \times 18^2$ is:

- Ans
- ☐ 1. $2^7 \times 3^5 \times 7^3$
 - ☐ 2. $2^7 \times 3^6 \times 7^4$
 - ☒ 3. $2^7 \times 3^6 \times 7^3$
 - ☐ 4. $2^7 \times 3^6 \times 7^2$

Q.16 Simplify: $3\left(\left(\frac{7}{3}\right)x^2 - 26x + 13\right) - 7(x^2 + 9x - 11)$

- Ans
- ☐ 1. $141x - 116$
 - ☐ 2. $-141x - 116$
 - ☐ 3. $141x + 116$
 - ☒ 4. $-141x + 116$

Q.17 A trader claims to sell vegetables at a profit of 52%, but also dishonestly uses a weight which is 8% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)

- Ans
- ☐ 1. 61%
 - ☐ 2. 63%
 - ☐ 3. 69%
 - ☒ 4. 65%

Q.18 A cylindrical rod has an outer curved surface area of 1100 cm^2 . If the length of the rod is 29 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

$\left(\text{Take } \pi = \frac{22}{7}\right)$

- Ans
- ☐ 1. 5.53
 - ☐ 2. 4.72
 - ☒ 3. 6.03
 - ☐ 4. 8.17

Q.19 Simplify $13 \times (3 \times 4^2) \div 9 + 59 - 75$

- Ans
- ☐ 1. $\frac{157}{3}$
 - ☐ 2. $\frac{160}{9}$
 - ☒ 3. $\frac{160}{3}$
 - ☐ 4. $\frac{157}{9}$



Q.20 If the length, breadth and height of a room are 10.5 m, 8.5 m and 11 m, respectively, then what is the area (in m^2) of the four walls of the room?

- Ans**
- ☐ 1. 414
 - ☒ 2. 418
 - ☐ 3. 416
 - ☐ 4. 412

Q.21 If the measure of each interior angle of a regular polygon is 140° , then the number of its diagonals will be:

- Ans**
- ☐ 1. 25
 - ☐ 2. 16
 - ☒ 3. 27
 - ☐ 4. 20

Q.22 Ritik and Sanjay together invested ₹77,600 in a business. At the end of the year, out of a total profit of ₹19,000, Sanjay's share was ₹7,600. What was the difference between their investments?

- Ans**
- ☐ 1. ₹14,343
 - ☒ 2. ₹15,520
 - ☐ 3. ₹15,928
 - ☐ 4. ₹16,401

Q.23 In an election between two candidates, 96% of the registered voters cast their vote and 15% of the votes polled were found invalid. The winning candidate got 80% of the valid votes and won the election by a margin of 1224 votes. How many voters were registered?

- Ans**
- ☐ 1. 2503
 - ☐ 2. 2501
 - ☒ 3. 2500
 - ☐ 4. 2502

Q.24 Which of the following numbers is divisible by 24?

- Ans**
- ☐ 1. 73,40,390
 - ☐ 2. 68,30,908
 - ☒ 3. 71,32,968
 - ☐ 4. 79,91,987

Q.25 Pallavi bought a toy for ₹322, decorated it at a cost of ₹6 and sold the toy for ₹398. Find the loss or profit percentage.

- Ans**
- ☐ 1. $\frac{885}{41}\%$ loss
 - ☐ 2. $\frac{875}{41}\%$ loss
 - ☐ 3. 875 % profit
 - ☒ 4. $\frac{875}{41}\%$ profit



Q.26 If the 6-digit number N73M10 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans**
- ☒ 1. $M + N = 3$
 - ☒ 2. $M - N = -3$
 - ☒ 3. $M = N$
 - ☒ 4. $M - N = 1$

Q.27 A number when increased by 100% gives 2730. The number is:

- Ans**
- ☒ 1. 2730
 - ☒ 2. 4095
 - ☒ 3. 1365
 - ☒ 4. 682.5

Q.28 Ritesh and Gauri have to travel from Delhi to Kanpur in their respective cars. Ritesh is driving at 150 km/hr while Gauri is driving at 60 km/hr. Find the time taken by Gauri to reach Kanpur if Ritesh takes 8 hours.

- Ans**
- ☒ 1. 20 hours
 - ☒ 2. 17 hours
 - ☒ 3. 14 hours
 - ☒ 4. 30 hours

Q.29 A shopkeeper offers a scheme discount of 20% and an additional 5% discount if payment is made in cash. What is the total discount percentage on ₹1,000?

- Ans**
- ☒ 1. 23%
 - ☒ 2. 26%
 - ☒ 3. 24%
 - ☒ 4. 25%

Q.30 The cost of 19 pens and 13 pencils is ₹254. If the cost of a pen decreases by ₹6 and the cost of a pencil increases by ₹9, then the cost of 14 pens and 2 pencils is ₹106. What is the original cost of 12 pens and 15 pencils?

- Ans**
- ☒ 1. ₹171
 - ☒ 2. ₹173
 - ☒ 3. ₹174
 - ☒ 4. ₹175

Section : General Intelligence and Reasoning

Q.1 Seven people, I, J, K, L, U, V and W are sitting in a row, facing north. Only three people sit to the left of V. Only I sits to the right of U. Only three people sit between U and W. J sits at some place to the left of K but at some place to the right of L. How many people sit between L and K?

- Ans**
- ☒ 1. One
 - ☒ 2. Three
 - ☒ 3. Two
 - ☒ 4. Four

Q.2 MKOJ is related to SQUP in a certain way based on the English alphabetical order. In the same way, KIMH is related to QOSN. To which of the following is HFJE related, following the same logic?

- Ans**
- ☒ 1. LNKP
 - ☒ 2. NLPK
 - ☒ 3. LNPK
 - ☒ 4. NLKP



Q.3 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$32 + 4 \times 2 - 6 \div 9 = ?$$

- Ans**
- ☒ 1. 84
 - ☐ 2. 81
 - ☐ 3. 83
 - ☐ 4. 82

Q.4 In a certain code language, 'always on time' is written as 'aj tj tr' and 'time is precious' is coded as 'lo tr mo'. How is 'time' coded in the given language?

- Ans**
- ☐ 1. lo
 - ☒ 2. tr
 - ☐ 3. mo
 - ☐ 4. aj

Q.5 If 1 is subtracted from each odd digit of the number 86071452 and then the digits are arranged in ascending order, find the sum of the digits, which are repeated more than once in the new number formed.

- Ans**
- ☒ 1. 10
 - ☐ 2. 11
 - ☐ 3. 13
 - ☐ 4. 8

Q.6 What should come in place of the question mark (?) in the given series?

33 , 34 , 36 , 40 , 48 , ?

- Ans**
- ☐ 1. 65
 - ☒ 2. 64
 - ☐ 3. 56
 - ☐ 4. 45

Q.7 In a certain code language, 'music is therapy' is written as 'ak bj jo' and 'stop the music' is coded as 'tu mt jo'. How is 'music' coded in the given language?

- Ans**
- ☐ 1. mt
 - ☐ 2. ak
 - ☐ 3. tu
 - ☒ 4. jo

Q.8 What should come in place of the question mark (?) in the given series?

4 12 28 52 84 ?

- Ans**
- ☐ 1. 125
 - ☒ 2. 124
 - ☐ 3. 130
 - ☐ 4. 120

Q.9 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DKS ELT FMU GNV ?

- Ans**
- ☐ 1. ROX
 - ☐ 2. ROW
 - ☒ 3. HOW
 - ☐ 4. HOX



Q.10 This question is based on the five, three-digit numbers given below.

(Left) 256 987 325 489 723 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

Ans  1. 16

 2. 10

 3. 14

 4. 12

Q.11 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans  1. FH-KD

 2. MO-RL

 3. IK-NG

 4. CE-HA

Q.12 Seven people, B, C, D, E, F, G and L, are sitting around a circular table facing the centre of the table. Only three people sit between B and F when counted from the left of B. Only three people sit between D and E when counted from the right of E. G sits to the immediate right of D. C is an immediate neighbour of E as well as F. Who sits to the second to the left of L?

Ans  1. F

 2. E

 3. C

 4. B

Q.13 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 3851764, what will be the sum of the digits that are second from the left and second from the right?

Ans  1. 12

 2. 6

 3. 10

 4. 8

Q.14 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans  1. OQ -TV

 2. VX-AC

 3. GI-LM

 4. KM-PR

Q.15 In a row of 163 students facing north, Mr. Maxi is 89th from the left end. If Mr. Han is 2nd to the right of Mr. Maxi, what is Mr. Han's position from the right end of the line?

Ans  1. 72nd

 2. 75th

 3. 73rd

 4. 74th



Q.16 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some trees are plants.
Some plants are graphs.

Conclusions:

(I): Some trees are graphs.

(II): All graphs are plants.

- Ans**
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Only conclusion (II) follows.
 - ☐ 3. Only conclusion (I) follows.
 - ☐ 4. Both conclusions (I) and (II) follow.

Q.17 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

DIMS - SIDM - IMDS
COLT - TOCL - OLCT

- Ans**
- ☐ 1. GUYS - SUGY - YUGS
 - ☒ 2. FROG - GRFO - ROFG
 - ☐ 3. TIME - ITME - EIMT
 - ☐ 4. FOUR - FUOR - RUOF

Q.18 Seven boxes, A, B, C, D, K, L and O, are kept one over the other, but not necessarily in the same order. Only D is kept above C. Only L is kept between C and B. Only A is kept below K. How many boxes are kept between O and A?

- Ans**
- ☐ 1. Three
 - ☐ 2. Two
 - ☒ 3. One
 - ☐ 4. Four

Q.19 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KFU-15 IIQ-22 ? EOI-42 CRE-55

- Ans**
- ☐ 1. HGL-31
 - ☐ 2. KJG-32
 - ☐ 3. KLJ-30
 - ☒ 4. GLM-31

Q.20 Alexander starts from Point A and drives 12 km towards the south. He then takes a left turn and drives 4 km, then turns left and drives 17 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 5 km to the east
 - ☐ 2. 3 km to the east
 - ☐ 3. 2 km to the east
 - ☐ 4. 4 km to the east



Q.21 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✓ 1. JM-QG
 - ✗ 2. EH-LC
 - ✗ 3. LO-SJ
 - ✗ 4. OR-VM

Q.22 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

FEI-HGK
YXB-AZD

- Ans**
- ✓ 1. WVZ-YXB
 - ✗ 2. SRV-TTW
 - ✗ 3. SQT-UTX
 - ✗ 4. SQT-TSW

Q.23 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(46, 41, 26)
(77, 72, 57)

- Ans**
- ✗ 1. (59, 54, 34)
 - ✗ 2. (93, 88, 83)
 - ✗ 3. (81, 71, 61)
 - ✓ 4. (62, 57, 42)

Q.24 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) # 3 % 7 \$ 5 * & 4 ß 9 Ω 4 9 μ 8 @ \$ 1 π 3 (Right)

How many such symbols are there that are immediately preceded by a number and also immediately followed by another number?

- Ans**
- ✗ 1. Three
 - ✗ 2. Five
 - ✗ 3. One
 - ✓ 4. Six

Q.25 Geeta starts from Point P and drives 6 km towards south. Then, she takes a right turn, drives 8 km, turns right again and drives 10 km. She then takes a right turn and drives 12 km. Then, she takes a left turn and drives 2 km; she takes a left turn again and drives 4 km and stops at Point Q. How far (shortest distance) and towards which direction should she drive in order to reach Point P again? (All turns are 90-degree turns only, unless specified.)

- Ans**
- ✗ 1. 8 km towards south
 - ✗ 2. 4 km towards north
 - ✗ 3. 4 km towards south
 - ✓ 4. 6 km towards south



Q.26 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All beds are pillows.
Some beds are curtains.

Conclusions:

(I) Some pillows are curtains.
(II) Some curtains are beds.

- Ans**
- ☐ 1. Neither conclusion I nor II follows.
 - ☐ 2. Only conclusion II follows.
 - ☐ 3. Only conclusion I follows.
 - ☒ 4. Both conclusions I and II follow.

Q.27 What should come in place of the question mark (?) in the given series?

14 16 20 28 44 ?

- Ans**
- ☐ 1. 83
 - ☒ 2. 76
 - ☐ 3. 96
 - ☐ 4. 63

Q.28 A is the brother of H. H is the father of R. R is the daughter of M. G is the father of M. How is A related to M?

- Ans**
- ☐ 1. Daughter's husband's brother
 - ☐ 2. Husband's father
 - ☒ 3. Husband's brother
 - ☐ 4. Daughter's husband's father

Q.29 If 1 is subtracted from each even digit of the number 36719542, then what will be the product of digits that are repeated more than once in the new number formed?

- Ans**
- ☐ 1. 6
 - ☐ 2. 5
 - ☒ 3. 15
 - ☐ 4. 3

Q.30 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only four boxes are kept between A and D. Only F is kept above A. Only two boxes are kept between B and C. E is kept immediately above G. C is not kept immediately above E. How many boxes are kept above E?

- Ans**
- ☐ 1. Four
 - ☐ 2. One
 - ☒ 3. Three
 - ☐ 4. Two





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	22/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 China deployed a sophisticated Large Phased Array Radar (LPAR) system near the _____ raising concerns over increased surveillance capabilities.

- Ans**
- ☒ 1. India-Bangladesh border
 - ☒ 2. India-Nepal border
 - ☒ 3. India-Bhutan border
 - ☒ 4. India-Myanmar border

Q.2 What is the correct order of the three-tier Panchayati Raj structure from bottom to top in India?

- Ans**
- ☒ 1. Panchayat Samiti – Gram Panchayat – Zila Parishad
 - ☒ 2. Gram Sabha – Gram Panchayat – Zila Parishad
 - ☒ 3. Gram Panchayat – Panchayat Samiti – Zila Parishad
 - ☒ 4. Zila Parishad – Panchayat Samiti – Gram Panchayat

Q.3 How did the Industrial Revolution alter the British economic interests in India?

- Ans**
- ☒ 1. From taxes to feudal rule
 - ☒ 2. From plantations to nomadic life
 - ☒ 3. From control to cultural ties
 - ☒ 4. From trade to industry and raw material use

Q.4 Which among the following South Indian kingdoms is known for the conquest that crossed the river Ganga in the north?

- Ans**
- ☒ 1. Pandyas
 - ☒ 2. Pallava
 - ☒ 3. Chalukya
 - ☒ 4. Chola

Q.5 Which chemical process results in the formation of plaque on copper, the rusting of iron and the blackening of silver?

- Ans**
- ☒ 1. Flocculation
 - ☒ 2. Extrusion
 - ☒ 3. Corrosion
 - ☒ 4. Encapsulation



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Q.6 Which of the following sectors employed the largest share of India's population before independence?

- Ans**
- ☐ 1. Industry
 - ☒ 2. Agriculture
 - ☐ 3. Services
 - ☐ 4. Trade

Q.7 Which type of rural settlement is most common in the northeastern states and Northern Plains of India?

- Ans**
- ☐ 1. Dispersed
 - ☐ 2. Semi-clustered
 - ☐ 3. Hamleted
 - ☒ 4. Clustered

Q.8 Which of the following players was awarded with National Sports award 2024 in the field of Para-Badminton in January 2025?

- Ans**
- ☒ 1. Nithya Sre Sumathy Sivan
 - ☐ 2. Saina Nehwal
 - ☐ 3. PV Sindhu
 - ☐ 4. S Muralidharan

Q.9 Which of the following correctly describes the impact of 1991 reforms on agricultural exports?

- Ans**
- ☒ 1. Export promotion was encouraged through de-regulation.
 - ☐ 2. Export restrictions were imposed to ensure food security.
 - ☐ 3. Agricultural exports were completely banned.
 - ☐ 4. Only wheat and rice were allowed for export.

Q.10 Which of the following are main subsystems of the Central Processing Unit (CPU)?

- Ans**
- ☐ 1. Arithmetic Unit, Memory Unit and Output Unit
 - ☒ 2. Control Unit, Arithmetic Unit and Logic Unit
 - ☐ 3. Arithmetic Unit, Graphics Unit and Control Bus
 - ☐ 4. Logic Unit, Input Unit and Storage Unit

Q.11 Which law is most frequently applied when calculating the electric field, particularly when high symmetry is present?

- Ans**
- ☐ 1. Faraday's Law
 - ☐ 2. Coulomb's law
 - ☒ 3. Gauss's Law
 - ☐ 4. Lenz's Law

Q.12 Which of the following refers to the newer and younger deposits of the floodplains in the Northern Plains of India, which are renewed almost every year and are therefore very fertile?

- Ans**
- ☐ 1. Terai
 - ☐ 2. Bhangar
 - ☐ 3. Kankar
 - ☒ 4. Khadar



Q.13 Which of the following athletes set a new record in triple jump with a 15.66 m leap at the 2025 Khelo India Youth Games in May 2025?

- Ans**
- ☐ 1. Qadir Khan
 - ☐ 2. Animesh Kujur
 - ☐ 3. Tushar Chaudhary
 - ☒ 4. Sheikh Zeeshan

Q.14 Which of the following groups is provided support under the One-Stop Centre (OSC) scheme?

- Ans**
- ☐ 1. Only women from a specific caste or religion
 - ☐ 2. Only women working in government offices
 - ☐ 3. Only married women in urban areas
 - ☒ 4. All women and girls below 18 years of age affected by violence

Q.15 Exercise Desert Hunt 2025, an integrated tri-service special forces exercise was conducted by the Indian Air Force at which of the following stations?

- Ans**
- ☒ 1. Airforce station at Jodhpur
 - ☐ 2. Airforce station at Gandhi Nagar
 - ☐ 3. Airforce station at Prayagraj
 - ☐ 4. Airforce station at Agra

Q.16 Who was awarded the Major Dhyan Chand Khel Ratna Award in 2025 for his leadership in Indian hockey?

- Ans**
- ☐ 1. Rupinder Pal Singh
 - ☐ 2. PR Sreejesh
 - ☐ 3. Manpreet Singh
 - ☒ 4. Harmanpreet Singh

Q.17 Which Amendment of the Citizenship Act introduced the provision that an illegal migrant cannot acquire citizenship by naturalisation or registration?

- Ans**
- ☐ 1. 2015 Amendment
 - ☐ 2. 1986 Amendment
 - ☐ 3. 2005 Amendment
 - ☒ 4. 2003 Amendment

Q.18 The Santhal Revolt of 1855-56 was against which groups along with the British officials?

- Ans**
- ☒ 1. Zamindars and moneylenders
 - ☐ 2. French traders
 - ☐ 3. Afghan invaders
 - ☐ 4. Marathas and Nawabs

Q.19 According to the report titled “India Revives ₹44,000 Crore Plan to Boost Defence Manufacturing”, published in 2025, what is the primary purpose of this plan?

- Ans**
- ☐ 1. Enhancing cyber defence capabilities
 - ☒ 2. Safeguarding ports and trade routes
 - ☐ 3. Developing fifth-generation fighter jets
 - ☐ 4. Acquiring advanced radar systems



Q.20 Which Act first recognised the political and administrative functions of the East India Company in India?

- Ans**
- ☐ 1. Charter Act 1813
 - ☐ 2. Pitt's India Act 1784
 - ☐ 3. Government of India Act 1858
 - ☒ 4. Regulating Act 1773

Q.21 The government tracks the performance of eight core industries to monitor industrial activity. What is the approximate weight of the core industries in the Index of Industrial Production (IIP)?

- Ans**
- ☐ 1. 30%
 - ☒ 2. 40%
 - ☐ 3. 20%
 - ☐ 4. 45%

Q.22 In which of the following years was the monetary policy framework moved towards flexible inflation targeting and a six member Monetary Policy Committee (MPC) constituted for setting the policy rate?

- Ans**
- ☐ 1. 1992
 - ☒ 2. 2016
 - ☐ 3. 2013
 - ☐ 4. 1998

Q.23 You want to create a file called "Notes.txt". Which tool would you use?

- Ans**
- ☐ 1. Calculator
 - ☐ 2. Paint
 - ☐ 3. Windows Media Player
 - ☒ 4. Notepad

Q.24 The Indus River system includes all of the following rivers EXCEPT:

- Ans**
- ☐ 1. Sutlej
 - ☒ 2. Godavari
 - ☐ 3. Ravi
 - ☐ 4. Jhelum

Q.25 Where was the 2025 Global Artificial Intelligence Summit & Awards (GAISA) held?

- Ans**
- ☐ 1. Bengaluru International Exhibition Centre
 - ☐ 2. Taj Palace, New Delhi
 - ☐ 3. Pragati Maidan, New Delhi
 - ☒ 4. Bharat Mandapam, New Delhi

Q.26 In May 2025, Union Home Minister Amit Shah laid the foundation stone for the permanent campus of the National Forensic Sciences University (NFSU) in Nagpur. At which location did this ceremony take place?

- Ans**
- ☒ 1. Mouza Chicholi, Kamptee tehsil, Nagpur district
 - ☐ 2. Swasthi Nivas, Nagpur
 - ☐ 3. Vishwas Cell, Nagpur University
 - ☐ 4. Subhash Nagar, Nagpur



Q.27 Which of the following options best defines 'Sustainable Development'?

Ans  1. Industrialisation without any restrictions

 2. Maximising profits from natural resources

 3. Using only renewable resources

 4. Development that meets present needs without compromising future generations

Q.28 The 2025 Sheikh Zayed Book Award recognised which author as the Cultural Personality of the Year?

Ans  1. Nairithi Konduru

 2. Haruki Murakami

 3. Sophie Elmhirst

 4. Michael Crummey

Q.29 In 2025, which state achieved a major infrastructure milestone with the support of Indo-foreign collaboration?

Ans  1. Gujarat

 2. Uttar Pradesh

 3. Madhya Pradesh

 4. Rajasthan

Q.30 Which ISRO mission, in collaboration with JAXA, aims to explore the Moon's polar regions?

Ans  1. Chandrayaan-4

 2. Lunar Polar Exploration Mission

 3. Shukrayaan

 4. Chandrayaan-5

Q.31 In 2022, which of the following states made headlines for having discovered the oldest Iron Age site in the Indian subcontinent?

Ans  1. Gujarat

 2. Tamil Nadu

 3. Uttar Pradesh

 4. Meghalaya

Q.32 Which of the following authors penned the novel "Midnight's Children," famous for its fusion of historical narratives with elements of magical realism?

Ans  1. Rohinton Mistry

 2. Vikram Seth

 3. Arundhati Roy

 4. Salman Rushdie

Q.33 What types of climate and vegetation characterise the Taiga natural region?

Ans  1. Arid deserts with cactus

 2. Cold climate with coniferous forests

 3. Flood-prone swamp areas

 4. Dense tropical vegetation

Q.34 In May 2025, IBM and TCS partnered with Andhra Pradesh to build the "Quantum Valley Tech Park" in _____.

Ans  1. Srikakulam

 2. East Godavari

 3. Kakinada

 4. Amaravati



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Q.35 One of the largest terminals in the world, Terminal-3 of the Indira Gandhi International Airport (IGIA), was inaugurated in which year with a capacity to handle up to 40 million passengers annually?

- Ans**
- ☒ 1. 2010
 - ☐ 2. 2005
 - ☐ 3. 2020
 - ☐ 4. 2015

Q.36 In angiosperms, which of the following organs represents the male reproductive part of a flower?

- Ans**
- ☐ 1. Gynoecium
 - ☐ 2. Petals
 - ☒ 3. Androecium
 - ☐ 4. Sepals

Q.37 Yakshagana is a folk theatre form from which of the following States of India?

- Ans**
- ☐ 1. Punjab
 - ☒ 2. Karnataka
 - ☐ 3. Tamil Nadu
 - ☐ 4. Gujarat

Q.38 The provisions for salaries and emoluments of constitutional authorities are mentioned in which Schedule?

- Ans**
- ☐ 1. Ninth Schedule
 - ☒ 2. Second Schedule
 - ☐ 3. Seventh Schedule
 - ☐ 4. Third Schedule

Q.39 Which state has special constitutional provisions to protect its tribal customs and laws under Article 371A?

- Ans**
- ☐ 1. Assam
 - ☒ 2. Nagaland
 - ☐ 3. Mizoram
 - ☐ 4. Tripura

Q.40 The world's first Pandemic Agreement was adopted during which session of the World Health Assembly held in May 2025?

- Ans**
- ☐ 1. 77th World Health Assembly
 - ☐ 2. 76th World Health Assembly
 - ☒ 3. 78th World Health Assembly
 - ☐ 4. 79th World Health Assembly

Section : Mathematics

Q.1 4 times the present age of P exceeds the present age of Q by 19 years. After 5 years, 3 times the age of Q will be 27 years less than 9 the age of P. The present age of Q is (in years):

- Ans**
- ☐ 1. 63
 - ☐ 2. 58
 - ☐ 3. 66
 - ☒ 4. 61



Q.2 Simplify: $(1 + \cot^2 A) + \left(1 + \frac{1}{\cot^2 A}\right)$

- Ans
- ☐ 1. $\sin^2 A \cos^2 A$
 - ☐ 2. $\tan^2 A$
 - ☒ 3. $\operatorname{cosec}^2 A \sec^2 A$
 - ☐ 4. $\cot^2 A$

Q.3 P, Q and R invest a sum in the ratio of 59 : 14 : 72, respectively. If they earned a total profit of ₹4,790 at the end of the year, what is the difference between the shares of Q and R?

- Ans
- ☐ 1. ₹2,022
 - ☐ 2. ₹1,836
 - ☐ 3. ₹1,966
 - ☒ 4. ₹1,916

Q.4 The value of $\sqrt{121} + \sqrt{0.0196} - \sqrt{8.41}$ is _____.

- Ans
- ☐ 1. 6.03
 - ☐ 2. 15.54
 - ☒ 3. 8.24
 - ☐ 4. 8.55

Q.5 Find the perimeter of a semicircle with a radius of 7 cm. (Use $\pi = \frac{22}{7}$)

- Ans
- ☐ 1. 22 cm
 - ☐ 2. 25 cm
 - ☒ 3. 36 cm
 - ☐ 4. 28 cm

Q.6 Anjani can do a certain piece of work in 30 days. Anjani and Khushbu can together do the same work in 10 days, and Anjani, Khushbu and Sushmita can do the same work together in 9 days. In how many days can Anjani and Sushmita do the same work together?

- Ans
- ☐ 1. $\frac{44}{2}$
 - ☐ 2. $\frac{49}{4}$
 - ☒ 3. $\frac{45}{2}$
 - ☐ 4. $\frac{38}{3}$

Q.7 The number of prime numbers lying between 488 and 494, both included, is:

- Ans
- ☐ 1. 3
 - ☐ 2. 4
 - ☒ 3. 1
 - ☐ 4. 2



Q.8 Find the surface area of a sphere whose diameter is equal to 54 cm.

- Ans**
- ☐ 1. $3865\pi \text{ cm}^2$
 - ☐ 2. $2386\pi \text{ cm}^2$
 - ☐ 3. $3651\pi \text{ cm}^2$
 - ☒ 4. $2916\pi \text{ cm}^2$

Q.9 The income of Raman is ₹86,400. He saves 22.5% of his income. If his income increases by 22% and expenditure increases by 25%, then his savings will:

- Ans**
- ☐ 1. decrease by ₹2,271
 - ☒ 2. increase by ₹2,268
 - ☐ 3. increase by ₹2,273
 - ☐ 4. decrease by ₹2,263

Q.10 Diya has to reach Surat which is 811 km away in 14 hours. His starting speed for 5 hours was 91 km/hr. For the next 84 km his speed was 84 km/hr. By what speed he must travel now so as to reach Surat in the decided time of 14 hours?

- Ans**
- ☐ 1. 38 km/hr
 - ☐ 2. 39 km/hr
 - ☐ 3. 35 km/hr
 - ☒ 4. 34 km/hr

Q.11 Find the simple interest (in ₹) on ₹4,000 at 7.5% per annum rate of interest deposited on 5 February 2024 and withdrawn on 6 April 2024.

- Ans**
- ☐ 1. 49
 - ☐ 2. 51
 - ☒ 3. 50
 - ☐ 4. 48

Q.12 A number, when increased by 60%, gives 3600. The number is:

- Ans**
- ☐ 1. 4500
 - ☐ 2. 6750
 - ☒ 3. 2250
 - ☐ 4. 1125

Q.13 The average of first 165 even numbers is

- Ans**
- ☒ 1. 166
 - ☐ 2. 167
 - ☐ 3. 165.5
 - ☐ 4. 166.5

Q.14 An article is marked for ₹720. If two successive discounts of 10% and 15% are allowed for sale, then the selling price of the article is:

- Ans**
- ☐ 1. ₹597.60
 - ☒ 2. ₹550.80
 - ☐ 3. ₹468
 - ☐ 4. ₹489.60

Q.15 What sum of money (in ₹) will amount to ₹2,400 at 5% per annum simple interest in 4 years?

- Ans**
- ☐ 1. ₹1,950
 - ☒ 2. ₹2,000
 - ☐ 3. ₹12,000
 - ☐ 4. ₹2,050



Q.16 The average price of three items of furniture is ₹16,005. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

- Ans**
- ☒ 1. 9,603
 - ☐ 2. 5,335
 - ☐ 3. 3,201
 - ☐ 4. 7,469

Q.17 Anil bought some pens at the rate of ₹150 a dozen. He sold them for ₹45 each. His profit percentage is ____%.

- Ans**
- ☐ 1. 258
 - ☒ 2. 260
 - ☐ 3. 262
 - ☐ 4. 264

Q.18 Find the value of $83^{-2} \div 83^7 \times 83^{-10}$.

- Ans**
- ☒ 1. 83^{-19}
 - ☐ 2. 83^{-20}
 - ☐ 3. 83^{-16}
 - ☐ 4. 83^{-14}

Q.19 The product of two consecutive positive natural numbers is 930. The greater of the two numbers is:

- Ans**
- ☐ 1. 29
 - ☐ 2. 32
 - ☐ 3. 33
 - ☒ 4. 31

Q.20 Simplify $x(7x - 2) + 5(x^2 - 3) + 13$.

- Ans**
- ☐ 1. $12x^2 - 2x + 2$
 - ☐ 2. $-12x^2 - 2x - 2$
 - ☒ 3. $12x^2 - 2x - 2$
 - ☐ 4. $-12x^2 - 2x + 2$

Q.21 Arjun and Malaika have to travel from Delhi to Kanpur in their respective cars. Arjun is driving at 66 km/hr while Malaika is driving at 99 km/hr. Find the time taken by Malaika to reach Kanpur if Arjun takes 3 hours.

- Ans**
- ☒ 1. 2 hours
 - ☐ 2. 4 hours
 - ☐ 3. 12 hours
 - ☐ 4. 11 hours

Q.22 An electronics retailer offers two successive discounts of 7% and 10% on a TV priced at ₹48,000. What is the difference in the final price after applying two successive discounts compared to applying a flat discount of 17%?

- Ans**
- ☐ 1. ₹327
 - ☐ 2. ₹312
 - ☐ 3. ₹318
 - ☒ 4. ₹336



Q.23 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 60^\circ$. E is a point on BC such that $\angle CAE = 20^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☒ 1. 58°
 - ☒ 2. 50°
 - ☒ 3. 46°
 - ☒ 4. 54°

Q.24 What smallest number should be added to 71079 so that the sum is completely divisible by 23?

- Ans**
- ☒ 1. 15
 - ☒ 2. 13
 - ☒ 3. 9
 - ☒ 4. 14

Q.25 M and N start a business. M invests ₹24,000 more than N for 3 months and N invests for 4 months. M's share is ₹962 more than that of N, out of a total profit of ₹7,696. Find the capital contributed by M.

- Ans**
- ☒ 1. ₹57,424
 - ☒ 2. ₹57,692
 - ☒ 3. ₹57,626
 - ☒ 4. ₹57,600

Q.26 Pipe A can fill a tank in 19 hours, pipe B can fill the same tank in 21 hours and pipe C can fill the same tank in 8 hours. The time taken by them to fill the same tank if they operate together is::

- Ans**
- ☒ 1. $4\frac{316}{719}$ hours
 - ☒ 2. $13\frac{316}{719}$ hours
 - ☒ 3. $10\frac{316}{719}$ hours
 - ☒ 4. $11\frac{316}{719}$ hours

Q.27 Which of the following numbers divides 934725?

- Ans**
- ☒ 1. 6
 - ☒ 2. 2
 - ☒ 3. 10
 - ☒ 4. 3

Q.28 A shopkeeper lists the price of a fan at 50% above its cost price and offers a 30% discount on its list price. If he earns a profit of ₹175, then what is the list price (in ₹) of the fan?

- Ans**
- ☒ 1. 5,040
 - ☒ 2. 5,250
 - ☒ 3. 5,021
 - ☒ 4. 5,088



Q.29 Find the mean proportional between 22 and 88.

- Ans**
- ☐ 1. 47
 - ☒ 2. 44
 - ☐ 3. 46
 - ☐ 4. 41

Q.30 The H.C.F. and the L.C.M. of two numbers are 11 and 495, respectively. If one of the numbers is 55, find the other one.

- Ans**
- ☒ 1. 99
 - ☐ 2. 172
 - ☐ 3. 21
 - ☐ 4. 181

Section : **General Intelligence and Reasoning**

Q.1 Seven people, A, B, C, D, P, Q and R, are sitting in a row, facing north. Only three people sit to the left of R. Only A sits to the right of C. Only three people sit between C and Q. B sits at some place to the left of P but at some place to the right of D. How many people sit between D and P?

- Ans**
- ☐ 1. Four
 - ☐ 2. Two
 - ☐ 3. One
 - ☒ 4. Three

Q.2 In a certain code language, 'PICK' is coded as '3517' and 'COST' is coded as '2146'. What is the code for 'C' in the given code language?

- Ans**
- ☐ 1. 3
 - ☒ 2. 1
 - ☐ 3. 6
 - ☐ 4. 4

Q.3 In a certain code language,
A # B means 'A is the mother of B',
A % B means 'A is the brother of B',
A - B means 'A is the wife of B' and
A @ B means 'A is the father of B'.

How is C related to U if 'C - O @ M # B % U'?

- Ans**
- ☐ 1. Mother
 - ☒ 2. Mother's mother
 - ☐ 3. Mother's sister
 - ☐ 4. Sister

Q.4 What will come in the place of the question mark (?) in the following equation, if '+' and 'x' are interchanged, and '-' and '÷' are interchanged?

$$2 + 8 \div 84 - 7 \times 27 = ?$$

- Ans**
- ☐ 1. 15
 - ☒ 2. 31
 - ☐ 3. 26
 - ☐ 4. 21



Q.5 In a certain code language, 'CURE' is coded as '8426' and 'THOU' is coded as '5183'. What is the code for 'U' in the given code language?

- Ans
- ☐ 1. 4
 - ☐ 2. 1
 - ☒ 3. 8
 - ☐ 4. 3

Q.6 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

LUNG - UNLG - GNUL
FERN - ERFN - NREF

- Ans
- ☒ 1. COIR - OICR - RIOC
 - ☐ 2. SWAP - SAWP - PAWS
 - ☐ 3. BAKE - AKBE - AKEB
 - ☐ 4. CUTS - UCTS - SUTC

Q.7 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. ORK
 - ☐ 2. RUO
 - ☐ 3. ILF
 - ☐ 4. LOI

Q.8 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All laptops are computers.
Some laptops are desktops.

Conclusions:

(I): Some computers are desktops.
(II): Some desktops are laptops.

- Ans
- ☐ 1. Only Conclusion I follows
 - ☐ 2. Only Conclusion II follows
 - ☒ 3. Both Conclusions I and II follow
 - ☐ 4. Neither Conclusion I nor II follows

Q.9 If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$36 + 48 \times 4 \div 5 - 3 = ?$$

- Ans
- ☒ 1. 39
 - ☐ 2. 47
 - ☐ 3. 52
 - ☐ 4. 43

Q.10 What should come in place of the question mark (?) in the given series?

94 ? 118 142 174 214

- Ans
- ☒ 1. 102
 - ☐ 2. 106
 - ☐ 3. 112
 - ☐ 4. 108



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Q.11 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. NJ-OL
 - ☒ 2. TP-US
 - ☒ 3. QM-RO
 - ☒ 4. KG-LI

Q.12 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All Steel are Nickel.

Some Nickel are Chromium.

Conclusions:

I: Some Steel are Chromium.

II: No Chromium are Steel.

- Ans**
- ☒ 1. Both conclusions (I) and (II) follow.
 - ☒ 2. Neither conclusion (I) nor (II) follows.
 - ☒ 3. Only conclusion (I) follows.
 - ☒ 4. Only conclusion (II) follows.

Q.13 Samar ranked 39th from the top and 34th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 72
 - ☒ 2. 74
 - ☒ 3. 71
 - ☒ 4. 73

Q.14 Ram starts his journey from point A and drives for 12 km towards the south. He then turns right and drives for 7 km. He then turns left, drives for 5 km, then again turns left and drives for 13 km, and then again turns left and drives for 9 km. He then turns left and drives for 14 km. He takes a final right turn and drives for 8 km and stops. How far (shortest distance) and in which direction should he drive in order to reach point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 8 km towards the east
 - ☒ 2. 8 km towards the north
 - ☒ 3. 6 km towards the east
 - ☒ 4. 5 km towards the east

Q.15 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

RXY TTV ? XLP ZHM

- Ans**
- ☒ 1. VWZ
 - ☒ 2. PDM
 - ☒ 3. VPS
 - ☒ 4. SRV



Q.16 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 0 3 # π 2 σ Ω 9 \$ # 4 8 9 % 1 & 5 @ 8 6 μ (Right)

How many such symbols are there, which are immediately preceded by a prime number and also immediately followed by a symbol?

- Ans
- ☒ 1. One
 - ☒ 2. Two
 - ☒ 3. None
 - ☒ 4. Three

Q.17 Teena, Beena, Meera, Leena, Meenu and Reena are sitting around a circle, facing the centre. Reena sits second to the left of Teena. Meenu sits third to the left of Reena. Leena sits second to the left of Meera. Who sits second to the left of Beena?

- Ans
- ☒ 1. Reena
 - ☒ 2. Teena
 - ☒ 3. Leena
 - ☒ 4. Meera

Q.18 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

EYN : FAQ
GWA : HYD

- Ans
- ☒ 1. JUF : KWI
 - ☒ 2. SBL : TEM
 - ☒ 3. TQH : WSI
 - ☒ 4. OCR : PDS

Q.19 This question is based on the five, three-digit numbers given below.

(Left) 438 745 217 153 876 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans
- ☒ 1. 10
 - ☒ 2. 12
 - ☒ 3. 13
 - ☒ 4. 11

Q.20 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. RV-MP
 - ☒ 2. NR-IL
 - ☒ 3. KO-FI
 - ☒ 4. IM-DH



Q.21 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

POST - OPST - PSTO
LITE - ILTE - LTEI

- Ans**  1. GANY - AGNY - GNYA
 2. HOST - OHST - OSTH
 3. VAIN - VIAN - NIAV
 4. MIND - IMND - DINM

Q.22 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(19, 374, 14)
(47, 2230, 22)

- Ans**  1. (50, 2514, 15)
 2. (27, 744, 11)
 3. (45, 2031, 2)
 4. (4, 22, 2)

Q.23 What should come in place of the question mark (?) in the given series?

750 755 745 750 740 745 735 ?

- Ans**  1. 740
 2. 750
 3. 735
 4. 745

Q.24 Navish ranked 14th from the bottom and 17th from the top in his class. How many students are there in his class?

- Ans**  1. 28
 2. 30
 3. 27
 4. 29

Q.25 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then the resultant of which of the following would be 18?

- Ans**  1. 45 D 6 B 8 C 42 A 2
 2. 45 C 6 A 8 B 42 A 2
 3. 45 B 6 C 8 D 42 A 2
 4. 45 A 6 B 8 D 42 C 2

Q.26 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DKR 79, HOV 73, LSZ 67, PWD 61, TAH 55, ?

- Ans**  1. XEM 50
 2. XEL 49
 3. ZEL 51
 4. XOL 53



Q.27 Vinay starts from Point A and drives 8 km towards North. He then takes a left turn, drives 4 km, turns left and drives 11 km. He then takes a left turn and drives 6 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 3 km to west
 - ☐ 2. 2 km to east
 - ☐ 3. 3 km to east
 - ☒ 4. 2 km to west

Q.28 Seven boxes V, W, X, Y, Z, Q and R are kept one over the other but not necessarily in the same order. Only four boxes are kept between Z and Y. Only X is kept above Z. Only two boxes are kept between W and V. R is kept immediately above Q. V is not kept immediately above R. Which box is kept fourth from the top?

- Ans**
- ☐ 1. W
 - ☒ 2. R
 - ☐ 3. Q
 - ☐ 4. Y

Q.29 Each of the digits in the number 8127365 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ 1. 9
 - ☐ 2. 8
 - ☐ 3. 6
 - ☐ 4. 7

Q.30 What should come in place of the question mark (?) in the given series?

9 13 21 33 49 ?

- Ans**
- ☒ 1. 69
 - ☐ 2. 70
 - ☐ 3. 75
 - ☐ 4. 67





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	28/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following Constitutional provisions can be amended by an ordinary Act of Parliament (simple majority), rather than through the special procedure under Article 368?

- Ans**
- ☒ 1. Article 2 (Parliament may by law admit new states)
 - ☐ 2. Article 356 (President's Rule in states)
 - ☐ 3. Article 368 (the Amendment procedure itself)
 - ☐ 4. Article 14 (equality before law)

Q.2 Which shortcut key opens System Settings quickly in Windows 10/11?

- Ans**
- ☐ 1. Alt + F4
 - ☐ 2. Ctrl + Alt + Del
 - ☐ 3. Windows + D
 - ☒ 4. Windows + I

Q.3 Which book written in Kannada received the 2025 International Booker Prize?

- Ans**
- ☐ 1. The Girl with the Seven Lives
 - ☐ 2. Diotima
 - ☒ 3. Heart Lamp
 - ☐ 4. Cascades

Q.4 Through which of the following states do the Western Ghats pass?

- Ans**
- ☐ 1. Punjab
 - ☐ 2. Bihar
 - ☒ 3. Tamil Nadu
 - ☐ 4. Uttar Pradesh

Q.5 Which of the following agencies collaborated on India's first Quantum Key Distribution over a Multi-Core Fibre in 2025?

- Ans**
- ☐ 1. CSIR & ISRO
 - ☐ 2. DRDO & IIT-B
 - ☒ 3. C-DOT & Sterlite Technologies Ltd.
 - ☐ 4. NIC & BEL



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Q.6 Article 371A of the Indian Constitution grants special provisions for the state of _____.

- Ans**
- ☐ 1. Punjab
 - ☐ 2. Rajasthan
 - ☒ 3. Nagaland
 - ☐ 4. Kerala

Q.7 The famous slogan "Swaraj is my birthright and I shall have it " was given by _____.

- Ans**
- ☐ 1. Mahatma Gandhi
 - ☒ 2. Bal Gangadhar Tilak
 - ☐ 3. Subhas Chandra Bose
 - ☐ 4. Dadabhai Naoroji

Q.8 During 1950–1990, India mainly exported which type of goods?

- Ans**
- ☐ 1. Automobiles
 - ☒ 2. Primary products
 - ☐ 3. Capital goods
 - ☐ 4. Crude oil

Q.9 During the Chola rule, which of the following was the land donated to Jaina institutions?

- Ans**
- ☒ 1. Pallichchhandam
 - ☐ 2. Tirunamattukkani
 - ☐ 3. Shalabhoga
 - ☐ 4. Vellanvagai

Q.10 Which of the following indicators is NOT directly included in the calculation of the Human Development Index (HDI)?

- Ans**
- ☐ 1. Life expectancy at birth
 - ☒ 2. Infant mortality rate
 - ☐ 3. Mean years of schooling
 - ☐ 4. Gross National Income per capita

Q.11 In April 2025, DOT announced funding of two specialised national testbeds for 6G R&D. One focuses on THz communication; which domain does the other explore?

- Ans**
- ☐ 1. Visible-light communication
 - ☐ 2. Satellite backhaul
 - ☒ 3. Advanced optical communication
 - ☐ 4. Quantum key distribution

Q.12 Proteins are mainly responsible for which of the following?

- Ans**
- ☐ 1. Providing quick energy
 - ☒ 2. Growth and repair of tissues
 - ☐ 3. Improving digestion
 - ☐ 4. Enhancing memory power

Q.13 Where was the bilateral naval exercise SLINEX 24 conducted between India and Sri Lanka in December 2024?

- Ans**
- ☒ 1. Visakhapatnam
 - ☐ 2. Colombo
 - ☐ 3. Kochi
 - ☐ 4. Chennai



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Q.14 Why is canal irrigation more suitable in the northern plains of India?

- Ans**
- ☐ 1. The rivers flow only during monsoon season.
 - ☐ 2. The area suffers from very low annual rainfall.
 - ☐ 3. The surface is uneven and covered with hills.
 - ☒ 4. The flat land and perennial rivers support canal networks.

Q.15 Which of the following pollutants is/are primarily responsible for causing acid rain?

- Ans**
- ☐ 1. Carbon monoxide
 - ☒ 2. Sulphur dioxide and nitrogen oxides
 - ☐ 3. Methane
 - ☐ 4. Ozone

Q.16 Which of the following events is known as India's biggest multi-sport national competition?

- Ans**
- ☐ 1. Khelo India Youth Games
 - ☒ 2. National Games
 - ☐ 3. Pro Kabaddi League
 - ☐ 4. Indian Premier League

Q.17 Which acid and its salts are widely used as food preservatives to prevent the growth of mould, yeast and fungi?

- Ans**
- ☐ 1. Perchloric acid
 - ☐ 2. Boric Acid
 - ☐ 3. Malic acid
 - ☒ 4. Sorbic acid

Q.18 Who among the following has been appointed as the International Trade Negotiator by China in April 2025?

- Ans**
- ☒ 1. Li Chenggang
 - ☐ 2. Jiang Zaidong
 - ☐ 3. Xu Feihong
 - ☐ 4. Wang Shouwen

Q.19 Which Indian athlete set a new national record in the 200m sprint at the 2025 Asian Athletics Championships?

- Ans**
- ☒ 1. Animesh Kujur
 - ☐ 2. Gurindervir Singh
 - ☐ 3. Amlan Borgohain
 - ☐ 4. Amiya Mallick

Q.20 What happens when you double-click an icon on the desktop?

- Ans**
- ☐ 1. It gets deleted.
 - ☐ 2. It goes to the Taskbar.
 - ☒ 3. It opens the application or file.
 - ☐ 4. It minimizes the window.

Q.21 Which leader founded the Servants of India Society to train Indians for national service and political awareness?

- Ans**
- ☐ 1. BR Ambedkar
 - ☐ 2. Motilal Nehru
 - ☐ 3. Bal Gangadhar Tilak
 - ☒ 4. Gopal Krishna Gokhale



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Q.22 Chilika Lake and Pulicat Lake are located in which of the following?

- Ans**
- ☐ 1. West Coast of India
 - ☐ 2. Malabar Coast
 - ☐ 3. Konkan Coast
 - ☒ 4. East Coast of India

Q.23 Which of the following sectors has been classified as infrastructure by the Government of India for improved financing access?

- Ans**
- ☒ 1. Warehousing
 - ☐ 2. Education
 - ☐ 3. Apparel
 - ☐ 4. Retail

Q.24 Who among the following threw 19.59 m to bag Silver medal in Shot Put at Asian U-18 Athletics Championship in April 2025?

- Ans**
- ☐ 1. Anuragh G
 - ☐ 2. VS Anupriya
 - ☐ 3. Vidhi
 - ☒ 4. Nishchay

Q.25 What was the capital of Awadh when it was established in 1722?

- Ans**
- ☒ 1. Faizabad
 - ☐ 2. Bareilly
 - ☐ 3. Gorakhpur
 - ☐ 4. Fatehpur

Q.26 Which organelle is responsible for photosynthesis in plants?

- Ans**
- ☐ 1. Mitochondria
 - ☒ 2. Chloroplast
 - ☐ 3. Leucoplast
 - ☐ 4. Chromoplast

Q.27 Why does a diverse society need a constitution?

- Ans**
- ☐ 1. To impose religious uniformity
 - ☐ 2. To eliminate all differences
 - ☒ 3. To provide basic rules for coordination and assurance
 - ☐ 4. To allow rulers to dominate others

Q.28 Software Technology Parks of India (STPI) is a premier S&T organisation under which of the following ministries of the Government of India?

- Ans**
- ☐ 1. Ministry of Home Affairs
 - ☒ 2. Ministry of Electronics and Information Technology (MeitY)
 - ☐ 3. Ministry of Communications
 - ☐ 4. Ministry of Science and Technology

Q.29 In which of the following years was Ishwar Chandra Vidyasagar born, who is remembered for his efforts in widow remarriage and the abolition of polygamy in Hindu society?

- Ans**
- ☐ 1. 1812
 - ☒ 2. 1820
 - ☐ 3. 1849
 - ☐ 4. 1835



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Q.30 Which of the following options correctly describes the scope of judicial review under the Constitution of India?

- Ans**
- ☐ 1. Only the Supreme Court can declare laws unconstitutional.
 - ☐ 2. Judicial review is explicitly mentioned in the Constitution (Article 13).
 - ☒ 3. Both, Supreme Court and High Courts can strike down unconstitutional laws.
 - ☐ 4. Courts can review any law only after approval by the Parliament.

Q.31 On May 27, 2025, the Rajasthan High Court issued a directive regarding FIRs and financial transactions. What was one of the key mandates?

- Ans**
- ☐ 1. All FIRs must be approved by a magistrate before registration.
 - ☐ 2. All property transactions must be conducted through digital payments.
 - ☐ 3. FIRs can only be filed for criminal offenses, not civil disputes.
 - ☒ 4. Courts must report cash transactions over ₹2 lakh to the Income Tax Department.

Q.32 Which Article of the Indian Constitution states that a person who had voluntarily acquired the citizenship of a foreign State shall NOT be considered a citizen of India at the commencement of the Constitution under Articles 5, 6, or 8?

- Ans**
- ☒ 1. Article 9
 - ☐ 2. Article 10
 - ☐ 3. Article 12
 - ☐ 4. Article 11

Q.33 Which Indian State/Union Territory inaugurated modern sports facilities, including chess centres and a snooker hall, in 2025?

- Ans**
- ☐ 1. Maharashtra
 - ☐ 2. Punjab
 - ☒ 3. Chandigarh
 - ☐ 4. Andaman and Nicobar

Q.34 Which special representation in the Lok Sabha and State Assemblies was discontinued by the 104th Constitutional Amendment Act, 2020?

- Ans**
- ☐ 1. Reservation for Women
 - ☐ 2. SC/ST Reservation
 - ☒ 3. Anglo-Indian Reservation
 - ☐ 4. OBC Reservation

Q.35 Which force will get the Ashwini radar system under the ₹2,906-crore deal signed in March 2025?

- Ans**
- ☐ 1. Indian Navy
 - ☐ 2. Indian Army
 - ☒ 3. Indian Air Force
 - ☐ 4. Indian Coast Guard

Q.36 In the K. Umadevi v. Government of Tamil Nadu case, 2022, the Supreme Court granted maternity benefits for the third child under the Maternity Benefit (Amendment) Act, 2017, stating it is a constitutional right. Which fundamental right did the Court link this benefit to?

- Ans**
- ☐ 1. Right to Education under Article 21A
 - ☒ 2. Right to Life under Article 21
 - ☐ 3. Right to Equality under Article 14
 - ☐ 4. Right against Exploitation under Article 23



Q.37 Colonial policies led to the commercialisation of agriculture. Which of the following crops was encouraged for export during British rule?

- Ans**
- ☒ 1. Maize
 - ☒ 2. Indigo
 - ☒ 3. Barley
 - ☒ 4. Pulses

Q.38 Which of the following traditional folk theatre forms is famous in Maharashtra?

- Ans**
- ☒ 1. Tamasha
 - ☒ 2. Yakshagana
 - ☒ 3. Nautanki
 - ☒ 4. Bhavai

Q.39 The neighbouring countries Peru and Chile are located in which continent?

- Ans**
- ☒ 1. Europe
 - ☒ 2. Africa
 - ☒ 3. South America
 - ☒ 4. Asia

Q.40 PM Modi's review of NTEP in May 2025 urged volunteers called _____ to adopt AI tools for patient follow-up.

- Ans**
- ☒ 1. Nikshay Mitras
 - ☒ 2. Swasth Sanginis
 - ☒ 3. TB Mitra
 - ☒ 4. Arogya Sahayaks

Section : Mathematics

Q.1 A company earns a profit (in ₹) that is distributed among the company's three partners in the ratio of 12 : 3 : 14. If the difference between the smallest and the largest shares is ₹61,699, the total profit (in ₹) of the company is:

- Ans**
- ☒ 1. 1,62,661
 - ☒ 2. 1,62,566
 - ☒ 3. 1,62,581
 - ☒ 4. 1,62,673

Q.2 ₹21,300 were divided among A, B and C, such that 2 times the share of A = 4 times the share of B = 7 times the share of C. Find the share of A.

- Ans**
- ☒ 1. ₹11,868
 - ☒ 2. ₹11,919
 - ☒ 3. ₹12,099
 - ☒ 4. ₹11,928

Q.3 A number, when increased by 60%, gives 3640. The number is:

- Ans**
- ☒ 1. 4550
 - ☒ 2. 1137.5
 - ☒ 3. 6825
 - ☒ 4. 2275



Q.4 A shopkeeper offers the following four discount schemes to his customers for the purchase of articles in his shop.

- (i) Buy 5 and get 3 free
- (ii) Buy 6 and get 3 free
- (iii) Buy 20 and get 5 free
- (iv) Buy 8 and get 6 free

Which scheme is the most beneficial to the customers?

- Ans**
- ☐ 1. (ii)
 - ☐ 2. (i)
 - ☒ 3. (iv)
 - ☐ 4. (iii)

Q.5 The sum of the squares of two consecutive even natural numbers is 452. The sum of the numbers is:

- Ans**
- ☐ 1. 48
 - ☒ 2. 30
 - ☐ 3. 44
 - ☐ 4. 26

Q.6 Evaluate: $(-9) - (-60) \div (-12) + (-2) \times 9$

- Ans**
- ☐ 1. -34
 - ☒ 2. -32
 - ☐ 3. -31
 - ☐ 4. -35

Q.7 The LCM of the numbers 8.6 and 0.12 is:

- Ans**
- ☐ 1. 2.58
 - ☐ 2. 258
 - ☒ 3. 25.8
 - ☐ 4. 0.258

Q.8 Sapna invested ₹20,000 on simple interest, partly at 12% per annum and partly at 13% per annum. If she earns equal interests from the two investments after 7 years, then find the sum invested at 12% per annum (in ₹).

- Ans**
- ☐ 1. 10,398
 - ☐ 2. 10,403
 - ☒ 3. 10,400
 - ☐ 4. 10,399

Q.9 The diameter of a sphere is 12 cm. Find its volume.

- Ans**
- ☐ 1. $144\pi \text{ cm}^3$
 - ☒ 2. $288\pi \text{ cm}^3$
 - ☐ 3. $576\pi \text{ cm}^3$
 - ☐ 4. $192\pi \text{ cm}^3$

Q.10
Simplify: $2\left(\left(\frac{7}{2}\right)x^2 - 28x + 17\right) - 7(x^2 + 6x - 11)$.

- Ans**
- ☐ 1. $-98x - 111$
 - ☐ 2. $98x - 111$
 - ☒ 3. $-98x + 111$
 - ☐ 4. $98x + 111$



Q.11 A trader claims to sell flour at a profit of 44%, but also dishonestly uses a weight which is 10% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)

- Ans**
- ☐ 1. 62%
 - ☐ 2. 61%
 - ☐ 3. 63%
 - ☒ 4. 60%

Q.12 I bought two bicycles for ₹1,200. I sold the first one at a loss of 9% and the second at a gain of 27%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first bicycle.

- Ans**
- ☐ 1. 920
 - ☐ 2. 924
 - ☐ 3. 884
 - ☒ 4. 900

Q.13 A chair was sold for ₹4,600 after giving two successive discounts of 12% and 9%. What is the marked price? (Rounded up to two decimal places.)

- Ans**
- ☐ 1. ₹8,008.39
 - ☐ 2. ₹7,820.12
 - ☐ 3. ₹7,948.74
 - ☒ 4. ₹5,744.26

Q.14 If the sum of all interior angles of a regular polygon is 28 right angles, then its number of sides is:

- Ans**
- ☐ 1. 15
 - ☐ 2. 14
 - ☐ 3. 13
 - ☒ 4. 16

Q.15 A sum of money triples itself at a certain rate of compound interest in 16 years. In how many years will it amount to 9 times of itself?

- Ans**
- ☐ 1. 29 years
 - ☐ 2. 26 years
 - ☐ 3. 27 years
 - ☒ 4. 32 years

Q.16 A train that has a length of 150 m overtakes a man moving at a speed of 9 km/hr (in the same direction) in 36 seconds. How much time (in seconds) will it take this train to completely cross another train that is 185 m long, moving in the opposite direction at a speed of 43 km/hr?

- Ans**
- ☐ 1. 35
 - ☒ 2. 18
 - ☐ 3. 23
 - ☐ 4. 12

Q.17 The marks scored by 10 students are given below.

11, 11, 14, 12, 20, 19, 16, 18, 11, 12

The mode of the data is:

- Ans**
- ☐ 1. 12
 - ☐ 2. 14
 - ☐ 3. 10
 - ☒ 4. 11



Q.18 If 3 times Mary's present age is 27 years more than 9 times Diya's present age, and 4 times Diya's present age is 7 years less than Mary's present age, then what is the difference (in years) between the ages of Mary and Diya?

- Ans**
- ☒ 1. 13
 - ☐ 2. 10
 - ☐ 3. 8
 - ☐ 4. 17

Q.19 Simplify:

$$\sec\theta (1 + \sin\theta)(\sec\theta - \tan\theta)$$

- Ans**
- ☐ 1. $\sec\theta$
 - ☐ 2. -1
 - ☒ 3. 1
 - ☐ 4. $\tan\theta$

Q.20 A man goes to Lucknow from Kanpur at a speed of 18 km/hr and returns to Kanpur at speed of 36 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans**
- ☐ 1. 18
 - ☒ 2. 24
 - ☐ 3. 22
 - ☐ 4. 27

Q.21 The average of first 164 even numbers is

- Ans**
- ☒ 1. 165
 - ☐ 2. 164.5
 - ☐ 3. 166
 - ☐ 4. 165.5

Q.22 Pipe P can fill $\frac{5}{6}$ part of a tank in 30 hours, and pipe Q can fill $\frac{3}{4}$ part of the same tank in 27 hours.

Both P and Q were kept open for 2 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 4 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans**
- ☐ 1. 54 hours
 - ☐ 2. 44 hours
 - ☒ 3. 36 hours
 - ☐ 4. 48 hours

Q.23 If 51% of first number is equal to six-sevenths of second number, what is the ratio of first number to the second number?

- Ans**
- ☐ 1. 205 : 116
 - ☐ 2. 195 : 114
 - ☐ 3. 199 : 124
 - ☒ 4. 200 : 119



Q.24 A can lay railway track between two given stations in 19 days and B can do the same job in 11 days. With the help of C, they did the job in 2 days only. Then, C alone can do the job in

Ans

☐ 1. $11\frac{120}{149}$ days

☒ 2. $2\frac{120}{149}$ days

☐ 3. $12\frac{120}{149}$ days

☐ 4. $6\frac{120}{149}$ days

Q.25 A man makes a monthly payment equal to 25% of his monthly salary towards debt repayment. He spends 52% of the remaining salary and saves ₹288. His monthly salary (in ₹) is:

Ans

☐ 1. 811

☐ 2. 816

☒ 3. 800

☐ 4. 888

Q.26 Which of the following numbers divides 74,75,79,723?

Ans

☐ 1. 13

☐ 2. 9

☐ 3. 8

☒ 4. 11

Q.27 If the 6-digit number N42M47 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

Ans

☐ 1. $M - N = 1$

☐ 2. $M + N = 5$

☐ 3. $M = N$

☒ 4. $M - N = -5$

Q.28 Find the value of $[960 \div \{28 + 5 \times (7 - 3)\}]$.

Ans

☐ 1. 29

☒ 2. 20

☐ 3. 23

☐ 4. 15

Q.29 Five solid cubes, each of volume 216000 cm^3 , are joined end to end to form a cuboid. What is the lateral surface area (in cm^2) of the cuboid?

Ans

☐ 1. 43045

☐ 2. 43464

☐ 3. 43245

☒ 4. 43200

Q.30 The sum of two numbers is 66 and their L.C.M. is 400. What are the two numbers?

Ans

☐ 1. 21, 45

☐ 2. 14, 52

☒ 3. 16, 50

☐ 4. 9, 57



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Q.1 What should come in place of the question mark (?) in the given series?
21 23 33 51 77 ?

- Ans**
- ☒ 1. 131
 - ☒ 2. 111
 - ☒ 3. 112
 - ☒ 4. 140

Q.2 W is the daughter of A. A is the brother of K. K is the wife of E. E is the father of S. How is W related to S?

- Ans**
- ☒ 1. Mother's sister's son
 - ☒ 2. Mother's sister's daughter
 - ☒ 3. Mother's brother's daughter
 - ☒ 4. Mother's brother's son

Q.3 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. UWS
 - ☒ 2. MOJ
 - ☒ 3. SUP
 - ☒ 4. PRM

Q.4 Pranay starts from Point A and drives 7 km towards the south. He then takes a left turn and drives 6 km, then turns left and drives 12 km. He then takes a left turn and drives 10 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 4 km to the east
 - ☒ 2. 4 km to the west
 - ☒ 3. 5 km to the west
 - ☒ 4. 5 km to the east

Q.5 DACB is related to FCED in a certain way based on the English alphabetical order. In the same way, YVXW is related to AXZY. To which of the given options is VSUT related, following the same logic?

- Ans**
- ☒ 1. XUWV
 - ☒ 2. XUVV
 - ☒ 3. XTVV
 - ☒ 4. XVVE

Q.6 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. RMH
 - ☒ 2. DYT
 - ☒ 3. AVO
 - ☒ 4. IDY



Q.7 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. VZFM
 - ☐ 2. PTZG
 - ☒ 3. SWCI
 - ☐ 4. IMSZ

Q.8 Seven boxes, N, O, T, F, A, R and M, are kept one over the other but not necessarily in the same order. M is kept immediately above A. N is kept immediately above O. Only T is kept above F. Only two boxes are kept above M. N is not kept at third position from the bottom.

How many boxes are kept between R and T?

- Ans**
- ☒ 1. Three
 - ☐ 2. One
 - ☐ 3. Zero
 - ☐ 4. Two

Q.9 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7856413, what will be the sum of the digits which are third from the left and third from the right in the new number thus formed?

- Ans**
- ☐ 1. 6
 - ☐ 2. 10
 - ☐ 3. 12
 - ☒ 4. 8

Q.10 What should come in place of the question mark (?) in the given series?

73 76 81 90 107 ?

- Ans**
- ☐ 1. 139
 - ☐ 2. 123
 - ☐ 3. 155
 - ☒ 4. 140

Q.11 In a row of 22 students facing north, Mayank is 15th from the left end. If Payal is 7th to the right of Mayank, what is Payal's position from the right end of the line?

- Ans**
- ☒ 1. 1st
 - ☐ 2. 3rd
 - ☐ 3. 4th
 - ☐ 4. 2nd

Q.12 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) / 8 5 2 1 1 4 < \$ 2 & 8 # 7 5 & 3 + 1 6 ^ (Right)

How many such numbers are there that are immediately preceded by a symbol and also immediately followed by another number?

- Ans**
- ☐ 1. Four
 - ☐ 2. One
 - ☒ 3. Three
 - ☐ 4. Two



Q.13 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) 2 & % 4 6 Ω * 7 \$ £ 8 & 1 % @ 5 3 # * 9 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another number?

- Ans**
- ☐ 1. None
 - ☐ 2. Two
 - ☒ 3. One
 - ☐ 4. More than two

Q.14 What should come in place of ? in the given series based on the English alphabetical order?

ELY FNX GPW HRV ?

- Ans**
- ☐ 1. HYV
 - ☐ 2. HGU
 - ☐ 3. IUV
 - ☒ 4. ITU

Q.15 What should come in place of the question mark (?) in the given series?

819 829 830 840 841 851 852 ?

- Ans**
- ☐ 1. 853
 - ☐ 2. 854
 - ☒ 3. 862
 - ☐ 4. 861

Q.16 In a certain code language, 'TEMP' is coded as '3129' and 'ITEM' is coded as '1396'.
What is the code for 'I' in the given code language?

- Ans**
- ☐ 1. 1
 - ☐ 2. 3
 - ☐ 3. 9
 - ☒ 4. 6

Q.17 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All magnets are rocks.
All rocks are soils.

Conclusions:

(I) Some soils are rocks.
(II) All magnets are soils.

- Ans**
- ☐ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Only conclusion (II) follows.
 - ☐ 3. Only conclusion (I) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.



Q.18 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

Some Beetroots are Radishes.
Some Radishes are Onions.

Conclusions:

- I. Some Beetroots are Onions.
II. No Beetroots are Onions.

- Ans**
- ☐ 1. Only conclusion (I) follows.
 - ☐ 2. Only conclusion (II) follows.
 - ☐ 3. Both conclusions (I) and (II) follow.
 - ☒ 4. Neither conclusion (I) nor (II) follows.

Q.19 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

TKF 4, SJE 8, RID 12, QHC 16, ?

- Ans**
- ☐ 1. OGB 20
 - ☐ 2. PFA 18
 - ☐ 3. OFA 18
 - ☒ 4. PGB 20

Q.20 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
12, 134
9, 71

- Ans**
- ☐ 1. 15, 235
 - ☐ 2. 13, 170
 - ☒ 3. 16, 246
 - ☐ 4. 11, 130

Q.21 211 people are standing in a row facing north. Mr. Maxi is 9th from the left end while Mr. Han is 91st from the right end. How many people are there between Mr. Maxi and Mr. Han?

- Ans**
- ☐ 1. 112
 - ☒ 2. 111
 - ☐ 3. 109
 - ☐ 4. 110

Q.22 SKEA is related to PGBW in a certain way based on the English alphabetical order. In the same way, GUSK is related to DQPG. To which of the given options is XIJY related, following the same logic?

- Ans**
- ☐ 1. PPOI
 - ☐ 2. UGEU
 - ☐ 3. UIOP
 - ☒ 4. UEGU



Q.23 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$26 \times 4 \div 8 - 15 + 6 = ?$$

- Ans**
- ☐ 1. 62
 - ☐ 2. 59
 - ☒ 3. 61
 - ☐ 4. 60

Q.24 Seven people A, B, C, D, E, F and G are sitting in a row, facing the north. Only one person sits to the right of B. E sits third from the left end of the row. G is the immediate neighbour of F and B. C sits to the immediate left of A. How many people sit to the left of D?

- Ans**
- ☐ 1. Four
 - ☐ 2. Three
 - ☒ 3. Six
 - ☐ 4. Five

Q.25 Satheesh starts from his home and drives 5 km towards north. He then takes a left turn, drives 6 km, turns left, and drives 4 km. He then takes a right turn and drives 5 km and turns right, then drives 3 km to reach his office. In which direction is the office with respect to his home?
(Note: All turns are 90° turns only, unless specified.)

- Ans**
- ☒ 1. North-west
 - ☐ 2. North
 - ☐ 3. South
 - ☐ 4. West

Q.26 In a certain code language, 'LIKE' is coded as '7029' and 'KAIL' is coded as '1279'. What is the code for 'A' in the given code language?

- Ans**
- ☒ 1. 1
 - ☐ 2. 2
 - ☐ 3. 9
 - ☐ 4. 7

Q.27 Five people, A, B, C, D and E are sitting in a straight line, facing North. B is sitting to the extreme left end. Only two people are sitting between D and B. E is seated second to the right of B. A is not an immediate neighbour of E. How many people are sitting to the right of C?

- Ans**
- ☒ 1. Three
 - ☐ 2. One
 - ☐ 3. Zero
 - ☐ 4. Two

Q.28 CROWD is related to HWTBI in a certain way based on the English alphabetical order. In the same way, DRAWN is related to IWFBS. To which of the given options is BRUSH related, following the same logic?

- Ans**
- ☒ 1. GWZXM
 - ☐ 2. FVYWL
 - ☐ 3. GWZYM
 - ☐ 4. HXAYN



Q.29 Each of the digits in the number 9231475 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ 1. One
 - ☐ 2. None
 - ☒ 3. Three
 - ☐ 4. Two

Q.30 If 1 is added to each even digit and 3 is subtracted from each odd digit in the number 943372856, what will be difference between the highest and lowest digits thus formed?

- Ans**
- ☒ 1. 9
 - ☐ 2. 7
 - ☐ 3. 8
 - ☐ 4. 6





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सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	28/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Who among the following was the runner-up defeated by Viktor Axelsen in his third India Open victory in the 2025 India Open Badminton Tournament in January 2025?

- Ans**
- ☒ 1. Anthony Sinisuka Ginting
 - ☒ 2. Lakshay Sen
 - ☒ 3. Lee Cheuk Yiu
 - ☒ 4. Chou Tien Chen

Q.2 In which of the following years was Delhi Metro Rail Corporation established?

- Ans**
- ☒ 1. 1992
 - ☒ 2. 1995
 - ☒ 3. 1999
 - ☒ 4. 1997

Q.3 What is the full name of MNREGA in the Indian policy context?

- Ans**
- ☒ 1. Modern National Rural Employment Growth Act
 - ☒ 2. Mahatma Gandhi National Rural Employment Guarantee Act
 - ☒ 3. Ministry for National Rural Employment Growth Agenda
 - ☒ 4. Mainstream National Rural Education Guarantee Act

Q.4 Which of the following constitutional mechanisms ensures political representation for Scheduled Castes and Scheduled Tribes in the Indian Parliament?

- Ans**
- ☒ 1. Article 15 and 16
 - ☒ 2. Article 341 and 342
 - ☒ 3. Article 330 and 332
 - ☒ 4. Article 338 and 339

Q.5 The DBT-funded project that first produced a GMP-grade viral vector for Indian CAR-T research was supported under which flagship scheme?

- Ans**
- ☒ 1. Biotechnology Ignition Grant
 - ☒ 2. PACE
 - ☒ 3. National Biopharma Mission
 - ☒ 4. Atal Jai Anusandhan



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Q.6 Which of the following rivers flows through a small part of the Great Indian Desert?

- Ans**
- ☐ 1. Ravi
 - ☐ 2. Mahanadi
 - ☐ 3. Satluj
 - ☒ 4. Luni

Q.7 In which of the following years did Vasco da Gama land in Calicut on the Malabar Coast for the second time?

- Ans**
- ☐ 1. 1509
 - ☒ 2. 1502
 - ☐ 3. 1505
 - ☐ 4. 1511

Q.8 The Pochampad Dam is also known as _____.

- Ans**
- ☐ 1. Hirakud Project
 - ☒ 2. Sri Rama Sagar Project
 - ☐ 3. Bhakra Nangal Project
 - ☐ 4. Nagarjuna Sagar Project

Q.9 Which of the following Bengali writers composed the famous novel Anandamath?

- Ans**
- ☐ 1. Sarat Chandra Chattopadhyay
 - ☐ 2. Rabindranath Tagore
 - ☐ 3. Kazi Nazrul Islam
 - ☒ 4. Bankim Chandra Chattopadhyay

Q.10 At what age did Gautama Buddha attain Enlightenment (Nirvana) at Bodh Gaya in Bihar?

- Ans**
- ☐ 1. 49 years
 - ☐ 2. 42 years
 - ☒ 3. 35 years
 - ☐ 4. 29 years

Q.11 After a hundred years of conquest and administration, the English East India Company faced a massive uprising that took place in _____.

- Ans**
- ☐ 1. 1856
 - ☒ 2. 1857
 - ☐ 3. 1854
 - ☐ 4. 1855

Q.12 How many facial bones are there in the face skeleton, each with its own anatomical landmarks and stage of development?

- Ans**
- ☒ 1. 14
 - ☐ 2. 18
 - ☐ 3. 11
 - ☐ 4. 21

Q.13 What was the theme for National Safety Day, observed on 4 March 2025?

- Ans**
- ☒ 1. Safety & Well-being Crucial for Viksit Bharat
 - ☐ 2. Safety Awareness: A National Priority
 - ☐ 3. Safety First: Every Day
 - ☐ 4. Secure India: Secure Future



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Q.14 In the first phase of the Green Revolution (approximately mid 1960s upto mid 1970s), the use of HYV seeds was restricted to the more affluent states such as _____.

- Ans**
- ☐ 1. Rajasthan, Gujarat and Kerala
 - ☐ 2. Bihar, Odisha and West Bengal
 - ☐ 3. Maharashtra, Uttar Pradesh and Assam
 - ☒ 4. Punjab, Andhra Pradesh and Tamil Nadu

Q.15 During the Later Vedic period, which of the following animals was specifically mentioned as useful for ploughing swampy land?

- Ans**
- ☐ 1. Cow
 - ☒ 2. Buffalo
 - ☐ 3. Horse
 - ☐ 4. Elephant

Q.16 According to the Climate Risk Index 2025, what is India's long-term rank (1993–2022) among the most affected countries by extreme weather events?

- Ans**
- ☐ 1. 12th
 - ☐ 2. 9th
 - ☐ 3. 3rd
 - ☒ 4. 6th

Q.17 Andhra Pradesh was formed in 1953 by separating Telugu-speaking areas from which of the following states?

- Ans**
- ☒ 1. Madras
 - ☐ 2. Kerala
 - ☐ 3. Karnataka
 - ☐ 4. Tamil Nadu

Q.18 The Koyna Project is constructed on a tributary of the River Krishna in which state?

- Ans**
- ☐ 1. Karnataka
 - ☐ 2. Tamil Nadu
 - ☒ 3. Maharashtra
 - ☐ 4. Andhra Pradesh

Q.19 Which advanced radar systems are being deployed under a ₹5,700-crore contract signed in March 2024 and operational from April 2025 to strengthen India's air defence network?

- Ans**
- ☐ 1. Over-the-horizon radars
 - ☐ 2. Synthetic aperture radars
 - ☐ 3. Passive electronically scanned array radars
 - ☒ 4. High-Power Radars (HPR)

Q.20 Which Fundamental Right was removed from the Indian Constitution by the 44th Amendment Act, 1978?

- Ans**
- ☒ 1. Right to Property
 - ☐ 2. Right to Freedom
 - ☐ 3. Right to Education
 - ☐ 4. Right to Equality



Q.21 Who is the Governor of the Reserve Bank of India as of May 2025?

- Ans**
- ☐ 1. Shaktikanta Das
 - ☒ 2. Sanjay Malhotra
 - ☐ 3. Raghuram Rajan
 - ☐ 4. Urjit Patel

Q.22 The UK–India Free Trade Agreement that concluded on 6 May 2025, primarily aims to reduce barriers to which sector listed first in its conclusion summary?

- Ans**
- ☐ 1. Agricultural commodities
 - ☐ 2. Medicinal products
 - ☒ 3. Digital trade and e-commerce
 - ☐ 4. Legal services

Q.23 Which of the following is the correct method to rename a file or folder using the left mouse button?

- Ans**
- ☐ 1. Click and drag the file → Rename it in the pop-up window
 - ☐ 2. Double-click the file name → Type the new name → Press Esc
 - ☒ 3. Select the file → Press F2 or click once on the name → Type new name → Press Enter
 - ☐ 4. Select the file → Press F1 → Type new name → Press Enter

Q.24 In which event, at The Ten 2025 athletics meet in San Juan Capistrano, USA, did Gulveer Singh break his own national record in March 2025?

- Ans**
- ☐ 1. Marathon
 - ☐ 2. 5,000m race
 - ☐ 3. 3,000m steeplechase
 - ☒ 4. 10,000m race

Q.25 Which theory suggests that planets were formed out of a cloud of material surrounding a young Sun?

- Ans**
- ☐ 1. Collision Theory
 - ☐ 2. Binary Star Hypothesis
 - ☒ 3. Nebular Hypothesis
 - ☐ 4. Big Bang Theory

Q.26 Which of the following statements about the Right to Property in India is correct?

- Ans**
- ☐ 1. It is a fundamental right under Article 31 (now omitted).
 - ☐ 2. It was completely abolished by the Forty-Second Amendment (1976).
 - ☐ 3. It is a fundamental right under Article 32 of the Constitution.
 - ☒ 4. It is no longer a fundamental right.

Q.27 In 2025, who launched 'Srjanam', India's first indigenous automated bio medical waste treatment plant?

- Ans**
- ☐ 1. HD Kumaraswamy
 - ☒ 2. Dr. Jitendra Singh
 - ☐ 3. Nitin Jairam Gadkari
 - ☐ 4. Manohar Lal

Q.28 The first human gene therapy experiment, which began in September 1990, used a retroviral vector against which deficiency?

- Ans**
- ☐ 1. X-Linked Adrenoleukodystrophy
 - ☐ 2. Mitochondrial encephalopathy
 - ☐ 3. 3-Methylglutaconic Aciduria
 - ☒ 4. Adenosine deaminase



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Q.29 In which year was the 2030 Agenda for Sustainable Development adopted by the United Nations Member States?

- Ans**
- ☐ 1. 2017
 - ☒ 2. 2015
 - ☐ 3. 2016
 - ☐ 4. 2014

Q.30 As of December 2024, what is the age eligibility of player to avail facility of Retired Sportsperson Empowerment Training (RESET) Programme?

- Ans**
- ☐ 1. 18-40 years
 - ☐ 2. 20-45 years
 - ☒ 3. 20-50 years
 - ☐ 4. 25-55 years

Q.31 For a spontaneous process at constant temperature and pressure, the Gibbs free energy change is _____.

- Ans**
- ☐ 1. $\Delta G = 0$
 - ☐ 2. $\Delta G > 0$
 - ☒ 3. $\Delta G < 0$
 - ☐ 4. $\Delta G = \Delta H + T\Delta S$

Q.32 As per the Ministry of Defence's Year End Review 2024 (PIB), what is the number of C-295 aircraft to be indigenously built by TASL in India?

- Ans**
- ☐ 1. 72
 - ☐ 2. 56
 - ☒ 3. 40
 - ☐ 4. 65

Q.33 Which part of the Indian Constitution deals with special provisions for Scheduled Castes, Scheduled Tribes, and other backwards classes?

- Ans**
- ☐ 1. Part III
 - ☐ 2. Part IX
 - ☒ 3. Part XVI
 - ☐ 4. Part IV

Q.34 Which of the following correctly differentiates between RAM and ROM?

- Ans**
- ☐ 1. ROM performs all logical operations, while RAM controls input devices
 - ☐ 2. RAM is permanent memory while ROM is volatile
 - ☒ 3. RAM loses its content when the computer is turned off, while ROM retains its data
 - ☐ 4. ROM is used to store data temporarily during program execution

Q.35 What minimum legal practice experience did the Supreme Court mandate on 20 May 2025 for applicants to the Civil Judge (Junior Division) post?

- Ans**
- ☒ 1. Three years of legal practice experience
 - ☐ 2. Four years of legal practice experience
 - ☐ 3. One year of legal practice experience
 - ☐ 4. Two years of legal practice experience



Q.36 Which country ranked 10th in the Climate Change Performance Index (CCPI) 2025 report released at the annual UN climate conference in Baku?

- Ans**
- ☐ 1. Brazil
 - ☐ 2. China
 - ☐ 3. South Africa
 - ☒ 4. India

Q.37 The _____ developed 32-bit microprocessors for space applications named VIKRAM3201 and KALPANA3201.

- Ans**
- ☒ 1. Indian Space Research Organization
 - ☐ 2. European Space Agency
 - ☐ 3. National Aeronautics and Space Administration
 - ☐ 4. Japan Aerospace Exploration Agency

Q.38 In which of the following years was the Bharatmala Pariyojana approved by the Government of India covering a length of 34,800 km to improve connectivity and reduce logistics cost in the country?

- Ans**
- ☐ 1. 2014
 - ☒ 2. 2017
 - ☐ 3. 2024
 - ☐ 4. 2022

Q.39 Which of the following sectors contributed significantly to India's GDP growth after the 1991 reforms?

- Ans**
- ☐ 1. Agriculture
 - ☐ 2. Public sector enterprises
 - ☒ 3. Services sector
 - ☐ 4. Cottage industries

Q.40 Sharing borders with the states of Kerala and Karnataka, Mudumalai National Park of Tamil Nadu is a part of which biosphere reserve of India?

- Ans**
- ☒ 1. Nilgiri Biosphere Reserve
 - ☐ 2. Kangchendzonga Biosphere Reserve
 - ☐ 3. Agasthyamalai Biosphere Reserve
 - ☐ 4. Nokrek Biosphere Reserve

Section : Mathematics

Q.1 The average weight of Gopal, Akshay and Atul is 45 kg. If the average weight of Gopal and Akshay is 44 kg and that of Akshay and Atul is 46 kg, then the weight of Akshay (in kg) is:

- Ans**
- ☐ 1. 65
 - ☐ 2. 55
 - ☐ 3. 60
 - ☒ 4. 45

Q.2 What smallest number should be added to 74978 so that the sum is completely divisible by 24?

- Ans**
- ☒ 1. 22
 - ☐ 2. 17
 - ☐ 3. 20
 - ☐ 4. 26



Q.3 The value of $8^2 + \sqrt{9^2} - 4\sqrt{25} - 14$ is

- Ans ☒ 1. 39
☐ 2. 45
☐ 3. 49
☐ 4. 48

Q.4 A number, when increased by 80%, gives 2520. The number is:

- Ans ☐ 1. 4200
☒ 2. 1400
☐ 3. 2800
☐ 4. 700

Q.5 The LCM of $4^3 \times 6^2 \times 15$, $4^2 \times 15^2 \times 19$ and $6^3 \times 15^2 \times 19^2$ is:

- Ans ☐ 1. $2^8 \times 3^4 \times 5^2 \times 19^2$
☐ 2. $2^8 \times 3^5 \times 5^3 \times 19^2$
☒ 3. $2^8 \times 3^5 \times 5^2 \times 19^2$
☐ 4. $2^9 \times 3^5 \times 5^2 \times 19^2$

Q.6 If one interior angle of a regular polygon is greater than its exterior angle by 144° , how many sides does the polygon have?

- Ans ☐ 1. 21
☐ 2. 19
☐ 3. 18
☒ 4. 20

Q.7 Pipe P can fill $\frac{5}{7}$ part of a tank in 30 hours, and pipe Q can fill $\frac{4}{7}$ part of the same tank in 12 hours.

Both P and Q were kept open for 7 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 9 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans ☐ 1. 56 hours
☐ 2. 82 hours
☐ 3. 78 hours
☒ 4. 63 hours

Q.8 Anshuman and Kunal together invested ₹48,300 in a business. At the end of the year, out of a total profit of ₹14,000, Kunal's share was ₹6,000. What was the difference between their investments?

- Ans ☐ 1. ₹5,940
☐ 2. ₹6,500
☐ 3. ₹7,640
☒ 4. ₹6,900

Q.9 Simplify: $x(8x - 7) + 7(x^2 - 5) + 14$

- Ans ☐ 1. $-15x^2 - 7x + 21$
☒ 2. $15x^2 - 7x - 21$
☐ 3. $-15x^2 - 7x - 21$
☐ 4. $15x^2 - 7x + 21$



Q.10 Yash travels 152 km at 38 km/hr, the next 189 km at 63 km/hr and the next 375 km at 75 km/hr. What is his average speed (in km/hr) for the whole journey? (Round off your answer to two decimal places)

- Ans**
- ☒ 1. 59.67
 - ☐ 2. 51.83
 - ☐ 3. 58.22
 - ☐ 4. 70.03

Q.11 The cost of 9 pens and 9 pencils is ₹252. If the cost of a pen decreases by ₹1 and the cost of a pencil increases by ₹3, then the cost of 13 pens and 3 pencils is ₹100. What is the original cost of 10 pens and 19 pencils?

- Ans**
- ☐ 1. ₹513
 - ☐ 2. ₹517
 - ☒ 3. ₹514
 - ☐ 4. ₹516

Q.12 Find the value of: $[428 \div \{17 + 8 \times (5 - 7)\}]$.

- Ans**
- ☒ 1. 428
 - ☐ 2. 429
 - ☐ 3. 427
 - ☐ 4. 426

Q.13 The sum of two numbers is 121 and their L.C.M. is 264. What are the two numbers?

- Ans**
- ☐ 1. 81, 40
 - ☐ 2. 86, 35
 - ☒ 3. 88, 33
 - ☐ 4. 93, 28

Q.14 If the interest earned during the 2nd year on a certain sum is ₹1,760, and the rate of interest is 10% per annum compounded annually, then the sum is:

- Ans**
- ☐ 1. ₹16,405
 - ☐ 2. ₹15,495
 - ☒ 3. ₹16,000
 - ☐ 4. ₹15,990

Q.15 A dealer wants to make a 20% profit on a smart watch that costs him ₹1,575. To attract customers, he plans to offer a 10% discount on the listed price. At what price should he list the smart watch to achieve his desired profit?

- Ans**
- ☒ 1. ₹2,100
 - ☐ 2. ₹1,918
 - ☐ 3. ₹1,654
 - ☐ 4. ₹1,890

Q.16 Find the simple interest (in ₹) if a sum of ₹400 is borrowed for 4.5 years at 20% per annum rate of interest.

- Ans**
- ☐ 1. 460
 - ☒ 2. 360
 - ☐ 3. 410
 - ☐ 4. 340



Q.17 6 years ago, the age of a father was 34 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans
- ☐ 1. 23
 - ☒ 2. 28
 - ☐ 3. 26
 - ☐ 4. 24

Q.18 What is the value of the given expression?

$$\frac{\sin^4 A - \cos^4 A + 1}{1 + \frac{1}{\tan^2 A}}$$

- Ans
- ☒ 1. $2\sin^4 A$
 - ☐ 2. $\frac{\sin A \cdot \cos A}{\tan^2 A}$
 - ☐ 3. $2\sin^2 A + \tan^2 A$
 - ☐ 4. $2\sin A \cdot \cos A$

Q.19 Pipe A can fill a tank in 16 hours, pipe B can fill the same tank in 21 hours and pipe C can fill the same tank in 15 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ☐ 1. $7\frac{65}{99} \text{ hours}$
 - ☒ 2. $5\frac{65}{99} \text{ hours}$
 - ☐ 3. $8\frac{65}{99} \text{ hours}$
 - ☐ 4. $6\frac{65}{99} \text{ hours}$

Q.20 Five solid cubes, each of volume 512000 cm^3 , are joined end to end to form a cuboid. What is the lateral surface area (in cm^2) of the cuboid?

- Ans
- ☐ 1. 76949
 - ☐ 2. 76903
 - ☒ 3. 76800
 - ☐ 4. 76820

Q.21 The marks scored by 10 students are given below.

19, 15, 10, 14, 13, 18, 19, 19, 11, 11

The mode of the data is:

- Ans
- ☒ 1. 19
 - ☐ 2. 20
 - ☐ 3. 15
 - ☐ 4. 10



Q.22 A shopkeeper lists the price of a fan at 50% above its cost price and offers a 30% discount on its list price. If he earns a profit of ₹91, then what is the list price (in ₹) of the fan?

- Ans**
- ☐ 1. 2,774
 - ☐ 2. 2,697
 - ☒ 3. 2,730
 - ☐ 4. 3,025

Q.23 Which of the following numbers divides 2,45,015?

- Ans**
- ☐ 1. 2
 - ☐ 2. 11
 - ☐ 3. 15
 - ☒ 4. 5

Q.24 If the third proportional of 9 and 51 be x, then what is the value of x?

- Ans**
- ☐ 1. 287
 - ☐ 2. 288
 - ☐ 3. 291
 - ☒ 4. 289

Q.25 The marked price of an article is ₹4,500. It is sold at successive discounts of 25% and 20%. Find the selling price of the article (in ₹).

- Ans**
- ☒ 1. 2,700
 - ☐ 2. 2,800
 - ☐ 3. 2,750
 - ☐ 4. 2,900

Q.26 Mahesh bought some pens at the rate of ₹150 a dozen. He sold them for ₹44 each. His profit percentage is ____%.

- Ans**
- ☐ 1. 256
 - ☐ 2. 250
 - ☐ 3. 254
 - ☒ 4. 252

Q.27 A toy designer is making a spherical ball with a radius of 6 cm. What is the surface area of the ball? (Use $\pi = 3.14$)

- Ans**
- ☐ 1. 678.24 cm²
 - ☐ 2. 301.44 cm²
 - ☒ 3. 452.16 cm²
 - ☐ 4. 282.74 cm²

Q.28 The population of a district is 374000, out of which 170000 are males. 78% of the population is literate. If 72% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 85%
 - ☒ 2. 83%
 - ☐ 3. 81%
 - ☐ 4. 80%



Q.29 Arjun and Malaika have to travel from Delhi to Kanpur in their respective cars. Arjun is driving at 140 km/hr while Malaika is driving at 65 km/hr. Find the time taken by Malaika to reach Kanpur if Arjun takes 13 hours.

- Ans**
- ☐ 1. 25 hours
 - ☐ 2. 34 hours
 - ☐ 3. 26 hours
 - ☒ 4. 28 hours

Q.30 Anand, Preeti and Dev invested ₹1,310, ₹1,350 and ₹1,140, respectively to start a business. If the profit at the end of the year is ₹1,630, what is Dev's share of the profit?

- Ans**
- ☐ 1. ₹488
 - ☐ 2. ₹487
 - ☒ 3. ₹489
 - ☐ 4. ₹490

Section : General Intelligence and Reasoning

Q.1 What should come in place of the question mark (?) in the given series?

27 31 40 56 81 ?

- Ans**
- ☐ 1. 121
 - ☐ 2. 120
 - ☐ 3. 118
 - ☒ 4. 117

Q.2 In a certain code language,
A \$ B means 'A is the son of B'
A + B means 'A is the brother of B'
A @ B means 'A is the wife of B'
A ÷ B means 'A is the father of B'
Based on the above, how is E related to N if 'E @ F \$ G ÷ M + N'?

- Ans**
- ☐ 1. Brother's daughter
 - ☒ 2. Brother's wife
 - ☐ 3. Wife
 - ☐ 4. Daughter

Q.3 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

WVH BAM GFR LKW ?

- Ans**
- ☒ 1. QPB
 - ☐ 2. QBP
 - ☐ 3. QWE
 - ☐ 4. QEW

Q.4 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. PT-KQ
 - ☐ 2. JN-EK
 - ☐ 3. MQ-HN
 - ☒ 4. SW-NU



Q.5 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All letters are mails.
All schedules are mails.

Conclusions:

(I) Some letters are schedules.
(II) Some mails are schedules.

- Ans**
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☒ 3. Only conclusion (I) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.6 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(16, 63, 16)
(36, 111, 4)

- Ans**
- ☒ 1. (47, 144, 4)
 - ☒ 2. (48, 162, 15)
 - ☒ 3. (44, 155, 20)
 - ☒ 4. (1, 12, 6)

Q.7 If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?

48 D 14 B 3 C 27 A 3 = ?

- Ans**
- ☒ 1. 24
 - ☒ 2. 31
 - ☒ 3. 15
 - ☒ 4. 37

Q.8 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. RXCJ
 - ☒ 2. OUZG
 - ☒ 3. KQVC
 - ☒ 4. NTYE

Q.9 BGLY is related to DJNB in a certain way based on the English alphabetical order. In the same way, JSTK is related to LVVN. To which of the given options is PBZT related, following the same logic?

- Ans**
- ☒ 1. RWBY
 - ☒ 2. REWB
 - ☒ 3. REBW
 - ☒ 4. RWYI



Q.10 Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. Only J sits to the left of O. Only four people sit between J and I. Only K sits between M and N, and M is not an immediate neighbor of I. Who sits at the extreme right of the line?

- Ans**
- ☐ 1. M
 - ☒ 2. L
 - ☐ 3. O
 - ☐ 4. I

Q.11 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 8 & % 1 @ 2 3 \$ 9 & 6 Ω 4 # 5 * £ 7 (Right)

If all the symbols are dropped from the series, which of the following will be fourth from the right?

- Ans**
- ☐ 1. 4
 - ☐ 2. 2
 - ☒ 3. 6
 - ☐ 4. 9

Q.12 Rahul starts from Point Y and drives 14 km towards the north. He then takes a right turn, drives 6 km, then he turns right and drives 20 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 6 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ 1. 4 km towards the east
 - ☐ 2. 6 km towards the north
 - ☒ 3. 6 km towards the east
 - ☐ 4. 4 km towards the north

Q.13 RUWU is related to YBDB in a certain way based on the English alphabetical order. In the same way, JMOM is related to QTVT. To which of the given options is TWYW related, following the same logic?

- Ans**
- ☐ 1. ADED
 - ☐ 2. ACED
 - ☒ 3. ADFD
 - ☐ 4. AEEL

Q.14 In a certain code language, 'reading is important' is written as 'pb mk lo' and 'is it raining' is coded as 'jo mt pb'. How is 'is' coded in the given language?

- Ans**
- ☐ 1. lo
 - ☐ 2. mk
 - ☐ 3. jo
 - ☒ 4. pb

Q.15 Seven boxes V, W, X, Y, Z, Q and R are kept one over the other but not necessarily in the same order. Only two boxes are kept below Z. Only one box is kept above W. Only one box is kept between W and Q. V is kept immediately above Y. R is kept at some place below X. How many boxes are kept between X and V?

- Ans**
- ☐ 1. Three
 - ☒ 2. Four
 - ☐ 3. Two
 - ☐ 4. One



Q.16 Seven people, I, J, K, L, P, Q and R are sitting in a row, facing north. Only J sits to the left of P. Only four people sit between J and I. Only K sits between R and Q. R is not an immediate neighbour of I. Who sits at the extreme right end of the line?

- Ans**
- ☐ 1. R
 - ☒ 2. L
 - ☐ 3. K
 - ☐ 4. I

Q.17 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

JMR11 KNS20 LOT29 MPU38 ?

- Ans**
- ☐ 1. NQU42
 - ☒ 2. NQV47
 - ☐ 3. NQU46
 - ☐ 4. NQV56

Q.18 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7453186, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. Two
 - ☒ 2. Three
 - ☐ 3. None
 - ☐ 4. One

Q.19 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$57 \times 3 - 11 \div 7 + 42 = ?$

- Ans**
- ☒ 1. 54
 - ☐ 2. 50
 - ☐ 3. 52
 - ☐ 4. 56

Q.20 In a certain code language, 'BLUE' is coded as '7524' and 'UNIT' is coded as '1356'. What is the code for 'U' in the given code language?

- Ans**
- ☐ 1. 1
 - ☐ 2. 2
 - ☒ 3. 5
 - ☐ 4. 6

Q.21 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 3 4 7 # # # 5 * £ 8 2 £ & € 2 \$ £ @ 3 # 7 & (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☐ 1. 6
 - ☐ 2. 5
 - ☐ 3. 3
 - ☒ 4. 4



Q.22 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 91526374, what will be the sum of second digit from left and third digit from right in the new number thus formed?

- Ans**
- ☐ 1. 10
 - ☐ 2. 14
 - ☐ 3. 6
 - ☒ 4. 2

Q.23 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

TOWN - NWTO - TWON
CLAW - WACL - CALW

- Ans**
- ☒ 1. PICK - KCPI - PCIK
 - ☐ 2. ROSE - RSOE - ESOR
 - ☐ 3. FUME - UMFE - UMEF
 - ☐ 4. HALF - FLHA - ALHF

Q.24 Seven boxes L, M, N, O, P, Q and R are kept one over the other but not necessarily in the same order. M is kept fourth from the bottom. O is placed immediately below M. Q is placed immediately above R. P is the topmost box. M is placed immediately below L. Which box is placed at the bottom?

- Ans**
- ☐ 1. O
 - ☒ 2. R
 - ☐ 3. L
 - ☐ 4. Q

Q.25 Rishabh starts from Point A and drives 9 km towards west. He then takes a left turn, drives 8 km, turns left and drives 15 km. He then takes a right turn and drives 6 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 16 km towards east
 - ☒ 2. 14 km towards north
 - ☐ 3. 16 km towards west
 - ☐ 4. 14 km towards south

Q.26 What should come in place of the question mark (?) in the given series?

85 86 88 92 100 ?

- Ans**
- ☐ 1. 118
 - ☐ 2. 117
 - ☒ 3. 116
 - ☐ 4. 115

Q.27 Mr. Into ranked 49th from the bottom and 56th from the top in his class. How many students are there in his class?

- Ans**
- ☐ 1. 105
 - ☐ 2. 103
 - ☒ 3. 104
 - ☐ 4. 107



Q.28 Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group? (NOTE: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ☒ 1. TM-WR
 - ☒ 2. OH-RN
 - ☒ 3. NG-QL
 - ☒ 4. JC-MH

Q.29 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some notes are books. All books are tables.

Conclusion (I): Some notes are tables.

Conclusions (II): All tables are books.

- Ans**
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☒ 3. Both conclusions (I) and (II) follow.
 - ☒ 4. Only conclusion (I) follows.

Q.30 What should come in place of the question mark (?) in the given series?

3 12 30 57 93 ?

- Ans**
- ☒ 1. 130
 - ☒ 2. 138
 - ☒ 3. 135
 - ☒ 4. 140





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	28/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 The Himalayan Mountain ranges stretch in a west-east direction from the Indus River to which major Indian river?

- Ans**
- ☒ 1. Godavari
 - ☒ 2. Brahmaputra
 - ☒ 3. Ganga
 - ☒ 4. Yamuna

Q.2 Which AI-driven anti-drone system was deployed at India's largest naval port in Karnataka in May 2025 to protect critical infrastructure?

- Ans**
- ☒ 1. AeroGuard
 - ☒ 2. SkyNet
 - ☒ 3. Indrajala Infra
 - ☒ 4. DroneShield

Q.3 Which military division had become rare in warfare during the Gupta period despite being part of the army in texts?

- Ans**
- ☒ 1. Infantry
 - ☒ 2. Chariot
 - ☒ 3. Cavalry
 - ☒ 4. Elephant

Q.4 Which crop is primarily associated with plantation agriculture in Kerala?

- Ans**
- ☒ 1. Wheat
 - ☒ 2. Rubber
 - ☒ 3. Cotton
 - ☒ 4. Rice

Q.5 In which of the following groups of states are the lower regions of the Western Ghats located where subtropical vegetation is found?

- Ans**
- ☒ 1. Madhya Pradesh, Maharashtra and Karnataka
 - ☒ 2. Gujarat, Maharashtra and Kerala
 - ☒ 3. Kerala, Tamil Nadu and Karnataka
 - ☒ 4. Andhra Pradesh, Kerala and Goa



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Q.6 What is the function of the keyboard shortcut Ctrl + Z?

- Ans**
- ☐ 1. Redo an action
 - ☒ 2. Undo the last action
 - ☐ 3. Close the window
 - ☐ 4. Zoom the window

Q.7 Alauddin Khilji introduced the Dagah and Huliya systems to control the army. What was Huliya associated with?

- Ans**
- ☐ 1. Soldier's salary
 - ☒ 2. Soldier's description
 - ☐ 3. Land revenue
 - ☐ 4. Horse branding

Q.8 Who authored the book 'The Churn' that was released in April 2025?

- Ans**
- ☐ 1. Bandaru Dattatreya
 - ☐ 2. Himanshu Roy
 - ☐ 3. Arvind Kumar
 - ☒ 4. Dr. Vijay Darda

Q.9 Which sector was the dominant contributor to India's GDP immediately after independence in 1947?

- Ans**
- ☐ 1. Foreign trade
 - ☐ 2. Services
 - ☐ 3. Industrial
 - ☒ 4. Agriculture

Q.10 The process by which traits are passed from parents to offspring is known as _____.

- Ans**
- ☐ 1. mutation
 - ☒ 2. heredity
 - ☐ 3. hybridisation
 - ☐ 4. linkage

Q.11 Which architectural style, introduced by the British, combines Indian traditional elements with Gothic, Victorian and Neo-Classical forms?

- Ans**
- ☒ 1. Indo-Saracenic
 - ☐ 2. Colonial Neo-Baroque
 - ☐ 3. Gothic Revival
 - ☐ 4. Victorian Classical

Q.12 In which of the following years was the Saansad Adarsh Gram Yojana (SAGY) launched with the aim to translate the comprehensive vision of Mahatma Gandhi about an ideal Indian village into reality, keeping in view the present context?

- Ans**
- ☐ 1. 2009
 - ☒ 2. 2014
 - ☐ 3. 2006
 - ☐ 4. 2012



Q.13 Which of the following Bollywood actresses was honoured at the inaugural Global Vanguard Honour, 2025, held in Los Angeles?

- Ans**
- ☐ 1. Nitanshi Goel
 - ☐ 2. Deepika Padukone
 - ☒ 3. Priyanka Chopra
 - ☐ 4. Pratibha Ranta

Q.14 Which of the following pairs correctly classifies one input and one output device?

- Ans**
- ☐ 1. Keyboard – Output device, Printer – Input device
 - ☒ 2. Microphone – Input device, Monitor – Output device
 - ☐ 3. Mouse – Output device, Scanner – Input device
 - ☐ 4. Joystick – Output device, Speaker – Input device

Q.15 Which city in Assam issued evacuation notices to residents in landslide-prone areas due to continuous rainfall in June 2025?

- Ans**
- ☐ 1. Silchar
 - ☐ 2. Dibrugarh
 - ☐ 3. Jorhat
 - ☒ 4. Guwahati

Q.16 For the implementation of which of the following did the Central Government estimate a total requirement of ₹2.31 lakh crore over a five year period from 2010-11 to 2014-15?

- Ans**
- ☒ 1. Right to Education Act
 - ☐ 2. Right to Information Act
 - ☐ 3. Ayushman Bharat Scheme
 - ☐ 4. Sarva Shiksha Abhiyan

Q.17 During the colonial period in India, the Vernacular Press Act (1878) was introduced by _____.

- Ans**
- ☐ 1. Lord Curzon
 - ☐ 2. Lord Wellesley
 - ☒ 3. Lord Lytton
 - ☐ 4. Lord Ripon

Q.18 Which of the following subjects is addressed by the Tenth Schedule of the Indian Constitution?

- Ans**
- ☐ 1. Panchayati Raj system
 - ☐ 2. Emergency powers and procedures
 - ☐ 3. Official languages
 - ☒ 4. Provisions related to anti-defection

Q.19 Which of the following years saw the foundation of the Home Rule League and its phenomenal success?

- Ans**
- ☐ 1. 1909
 - ☒ 2. 1916
 - ☐ 3. 1906
 - ☐ 4. 1919



Q.20 Which of the following organisations is tasked with providing certification to films before their public release in India?

- Ans**
- ☐ 1. Film and Television Institute of India
 - ☐ 2. National Film Development Corporation
 - ☐ 3. Children's Film Society, India
 - ☒ 4. Central Board of Film Certification

Q.21 Which of the following is a feature of the State Legislative Council (Vidhan Parishad) in India?

- Ans**
- ☐ 1. It can be dissolved like the Legislative Assembly
 - ☐ 2. The people directly elect their members
 - ☐ 3. It has a fixed term of five years
 - ☒ 4. It is a permanent body and cannot be dissolved

Q.22 Under the Ayushman Vaya Vandana Yojana launched in October 2024, every Indian citizen aged 70 years and above will get free health insurance up to what amount every year?

- Ans**
- ☐ 1. ₹7.5 lakh
 - ☐ 2. ₹8 lakh
 - ☒ 3. ₹5 lakh
 - ☐ 4. ₹3 lakh

Q.23 The exchange of gases at the alveoli and tissues occurs by which process?

- Ans**
- ☐ 1. Osmosis
 - ☐ 2. Decantation
 - ☒ 3. Diffusion
 - ☐ 4. Filtration

Q.24 Which artist was recognised as the Global Recording Artist of the Year 2024 by the IFPI?

- Ans**
- ☐ 1. Billie Eilish
 - ☒ 2. Taylor Swift
 - ☐ 3. Beyoncé
 - ☐ 4. Olivia Rodrigo

Q.25 Why is air transport less popular for freight movement in India?

- Ans**
- ☐ 1. It is widely available in rural and remote villages.
 - ☒ 2. It requires minimal infrastructure for operation.
 - ☐ 3. It is expensive and ideal only for light, high-value goods.
 - ☐ 4. It is slower and less efficient than water transport.

Q.26 India launched chip-enabled biometric e-passports in _____ cities as of April 2025.

- Ans**
- ☒ 1. 13
 - ☐ 2. 11
 - ☐ 3. 15
 - ☐ 4. 9

Q.27 Events of Khelo India Youth Games 2025 were NOT conducted in which of the following cities of Bihar?

- Ans**
- ☐ 1. Bhagalpur
 - ☐ 2. Gaya
 - ☒ 3. Samastipur
 - ☐ 4. Rajgir



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Q.28 Which of the following is NOT a Central Armed Police Force?

- Ans**
- ☐ 1. Indo-Tibetan Border Police
 - ☐ 2. Border Security Force
 - ☐ 3. Central Reserve Police Force
 - ☒ 4. Criminal Investigation Department

Q.29 When was the National Human Rights Commission (NHRC) established to investigate cases of human rights violations in India?

- Ans**
- ☒ 1. 12 October 1993
 - ☐ 2. 10 December 1994
 - ☐ 3. 15 January 1995
 - ☐ 4. 20 February 1996

Q.30 Who is responsible for the administration of Union Territories like Chandigarh and Lakshadweep?

- Ans**
- ☒ 1. The President of India
 - ☐ 2. Prime Minister of India directly
 - ☐ 3. Elected Chief Ministers of the Union Territories
 - ☐ 4. Governors of neighbouring states

Q.31 What is the preferred unit used in the scientific literature to express the ratio between two sound intensities?

- Ans**
- ☐ 1. Phon
 - ☐ 2. Pascal
 - ☐ 3. Hertz
 - ☒ 4. Decibels

Q.32 Which anniversary of the Meter Convention was celebrated by the Department of Consumer Affairs, Government of India on 20 May 2025?

- Ans**
- ☐ 1. 125th
 - ☐ 2. 155th
 - ☐ 3. 100th
 - ☒ 4. 150th

Q.33 The western coastal plains are an example of:

- Ans**
- ☐ 1. tectonic coast
 - ☒ 2. submerged coast
 - ☐ 3. volcanic coast
 - ☐ 4. emergent coast

Q.34 India is set to invest over US\$360 billion in renewable energy and infrastructure by .

- Ans**
- ☐ 1. 2032
 - ☐ 2. 2034
 - ☐ 3. 2036
 - ☒ 4. 2030

Q.35 What is the name of India's first satellite, which completed 50 years in April 2025 and was launched in 1975?

- Ans**
- ☐ 1. Rohini
 - ☐ 2. INSAT-1A
 - ☐ 3. Bhaskara
 - ☒ 4. Aryabhata



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Q.36 Pick the INCORRECT statement regarding the life of Birsa Munda.

- Ans**
- ☐ 1. He urged people to destroy the Europeans.
 - ☐ 2. He advised his people to bring back the Golden Age of Mundas.
 - ☒ 3. Birsa was born in the forests of Madhya Pradesh.
 - ☐ 4. He had joined the local missionary school.

Q.37 As per India Justice Report 2025, how many judges does India have per million population?

- Ans**
- ☐ 1. 10
 - ☐ 2. 17
 - ☐ 3. 21
 - ☒ 4. 15

Q.38 In which year was the Industrial Policy Resolution that gave importance to the public sector adopted?

- Ans**
- ☐ 1. 1951
 - ☒ 2. 1956
 - ☐ 3. 1947
 - ☐ 4. 1991

Q.39 According to the Henley Passport Index released in January 2025, what is India's global passport ranking for 2025?

- Ans**
- ☒ 1. 85th
 - ☐ 2. 88th
 - ☐ 3. 83rd
 - ☐ 4. 80th

Q.40 When and where were the flight trials of the ULPGM-V3 missile conducted?

- Ans**
- ☐ 1. Rajasthan (Pokhran), 24 July 2025
 - ☐ 2. Maharashtra (Pune), 27 July 2025
 - ☐ 3. Odisha (Chandipur), 26 July 2025
 - ☒ 4. Andhra Pradesh (Kurnool), 25 July 2025

Section : Mathematics

Q.1 M and N start a business. M invests ₹17,000 more than N for 6 months and N invests for 5 months. M's share is ₹498 more than that of N, out of a total profit of ₹1,494. Find the capital contributed by M.

- Ans**
- ☒ 1. ₹42,500
 - ☐ 2. ₹42,326
 - ☐ 3. ₹42,661
 - ☐ 4. ₹42,304

Q.2 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 10 months.

- Ans**
- ☒ 1. ₹40
 - ☐ 2. ₹60
 - ☐ 3. ₹480
 - ☐ 4. ₹80



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Q.3 Simplify the given expression.

$$x(7x - 5) + 3(x^2 - 2) + 14$$

- Ans
- ☐ 1. $-10x^2 - 5x + 8$
 - ☐ 2. $10x^2 - 5x - 8$
 - ☒ 3. $10x^2 - 5x + 8$
 - ☐ 4. $-10x^2 - 5x - 8$

Q.4 Pipe P can fill $\frac{4}{5}$ part of a tank in 12 hours and pipe Q can fill $\frac{2}{7}$ part of the same tank in 30 hours.

Both P and Q were kept open for 5 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours.

Pipes P, Q and R together can fill the empty tank in:

- Ans
- ☐ 1. 17 hours
 - ☒ 2. 35 hours
 - ☐ 3. 43 hours
 - ☐ 4. 18 hours

Q.5 The average of first 163 even numbers is

- Ans
- ☐ 1. 165
 - ☐ 2. 163.5
 - ☐ 3. 164.5
 - ☒ 4. 164

Q.6 The value of $\frac{5}{3} + \left(\frac{1}{1 + \frac{4}{9}} \right) - \frac{2}{5}$ is

- Ans
- ☐ 1. $\frac{384}{191}$
 - ☒ 2. $\frac{382}{195}$
 - ☐ 3. $\frac{379}{201}$
 - ☐ 4. $\frac{380}{197}$

Q.7 The product of two consecutive natural numbers is 110. The greater of the two numbers is:

- Ans
- ☐ 1. 3
 - ☐ 2. 5
 - ☒ 3. 11
 - ☐ 4. 7

Q.8 The value of $\sqrt{121} + \sqrt{0.0225} - \sqrt{5.76} =$

- Ans
- ☐ 1. 13.05
 - ☐ 2. 12.62
 - ☒ 3. 8.75
 - ☐ 4. 5.35



Q.9 Simplify: $\frac{(\tan^2 \beta \operatorname{cosec}^2 \beta)}{(1 + \tan^2 \beta)}$

- Ans
- ☐ 1. -1
 - ☐ 2. $\tan \beta$
 - ☒ 3. 1
 - ☐ 4. $\sec \beta$

Q.10 The HCF and LCM of two numbers are 72 and 432, respectively. If one of the numbers is 144, find the other one.

- Ans
- ☒ 1. 216
 - ☐ 2. 144
 - ☐ 3. 72
 - ☐ 4. 288

Q.11 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 58^\circ$. E is a point on BC such that $\angle CAE = 16^\circ$. What is the measure of $\angle AEB$?

- Ans
- ☐ 1. 42°
 - ☐ 2. 49°
 - ☐ 3. 52°
 - ☒ 4. 48°

Q.12 What is the volume of a cylindrical container that has a base radius of 3.5 metres and a height of 5.2 metres?

- Ans
- ☐ 1. 67.3π cubic metres
 - ☐ 2. 65.4π cubic metres
 - ☒ 3. 63.7π cubic metres
 - ☐ 4. 68.6π cubic metres

Q.13 Find the mean proportional of 96 and 54.

- Ans
- ☐ 1. 71
 - ☐ 2. 69
 - ☐ 3. 75
 - ☒ 4. 72

Q.14 The value of $7^2 + \sqrt{8^2} - 5\sqrt{16} - 14$ is

- Ans
- ☐ 1. 16
 - ☐ 2. 31
 - ☒ 3. 23
 - ☐ 4. 26



Q.15 Pipe A can fill a tank in 11 hours, pipe B can fill the same tank in 24 hours and pipe C can fill the same tank in 19 hours. The time taken by them to fill the same tank if they operate together is::

Ans

 1. $4\frac{371}{929}$ hours

 2. $7\frac{371}{929}$ hours

 3. $5\frac{371}{929}$ hours

 4. $9\frac{371}{929}$ hours

Q.16 A trader offers one kitchen set free with each kitchen set purchased at the marked price. If he still makes a profit of 20%, at what percentage above the cost price has the trader marked the kitchen set?

Ans

 1. 50%

 2. 150%

 3. 140%

 4. 40%

Q.17 The number 716710501 is divisible by which of the following?

Ans

 1. 20

 2. 16

 3. 19

 4. 13

Q.18 The number of prime numbers between 374 and 381, both included, is:

Ans

 1. 2

 2. 3

 3. 4

 4. 1

Q.19 *By how much is 65% of 75 greater than $\frac{3}{5}$ of 45?*

Ans

 1. 19.75

 2. 18.75

 3. 15.75

 4. 21.75

Q.20 By selling an article at $\frac{5}{14}$ of its actual selling price, Hitesh incurs a loss of 25%. If he sells it at 58% of its actual selling price, then the profit percentage is:

Ans

 1. 23.1%

 2. 23.7%

 3. 22.5%

 4. 21.8%



Q.21 8 years ago, the age of a father was 20 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans
- ☐ 1. 8
 - ☒ 2. 12
 - ☐ 3. 16
 - ☐ 4. 7

Q.22 The average weight of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 75 kg and 37 kg is:

- Ans
- ☐ 1. 53.4 kg
 - ☐ 2. 50.4 kg
 - ☐ 3. 52.4 kg
 - ☒ 4. 51.4 kg

Q.23 Train A leaves station M at 6:30 AM and reaches station N at 3:30 PM on the same day. Train B leaves station N at 8:30 AM and reaches station M at 2:30 PM on the same day. Find the time when trains A and B meet.

- Ans
- ☒ 1. 11:18 AM
 - ☐ 2. 12:18 PM
 - ☐ 3. 11:38 AM
 - ☐ 4. 11:08 AM

Q.24 A book is sold at three successive discounts of 8%, 4%, and 5%. If the marked price of the book is ₹3,125, find its net selling price.

- Ans
- ☒ 1. ₹2,622
 - ☐ 2. ₹2,492
 - ☐ 3. ₹2,594
 - ☐ 4. ₹2,465

Q.25 Find the circumference (in m) of the largest circle that can be drawn completely inside a rectangle whose dimensions are given as 63 m and 116 m.

(Take $\pi = \frac{22}{7}$.)

- Ans
- ☐ 1. 202
 - ☐ 2. 200
 - ☐ 3. 190
 - ☒ 4. 198

Q.26 Pallavi bought a toy for ₹578, decorated it at a cost of ₹14 and sold the toy for ₹476. Find the loss or profit percentage.

- Ans
- ☐ 1. $\frac{725}{37}\%$ profit
 - ☐ 2. $\frac{735}{37}\%$ profit
 - ☒ 3. $\frac{725}{37}\%$ loss
 - ☐ 4. 725 % loss



Q.27 If the interest earned during the 2nd year on a certain sum is ₹6,534, and the rate of interest is 20% per annum compounded annually, then the sum is:

- Ans**
- ☐ 1. ₹28,030
 - ☐ 2. ₹27,630
 - ☐ 3. ₹28,205
 - ☒ 4. ₹27,225

Q.28 The current population of a town is 14,568. It increases by 25% and 60% in two successive years but decreases by 50% in the third year. What is the population of the town at the end of the third year?

- Ans**
- ☒ 1. 14,568
 - ☐ 2. 14,563
 - ☐ 3. 14,565
 - ☐ 4. 14,573

Q.29 X, Y and Z invest a sum in the ratio of 16 : 82 : 2, respectively. If they earned a total profit of ₹2,750 at the end of the year, then what is the difference between share of Y and Z?

- Ans**
- ☒ 1. ₹2,200
 - ☐ 2. ₹2,159
 - ☐ 3. ₹2,191
 - ☐ 4. ₹2,122

Q.30 A man goes to Nagpur from Visakhapatnam at a speed of 3 km/hr and returns to Visakhapatnam at speed of 6 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans**
- ☒ 1. 4
 - ☐ 2. 3
 - ☐ 3. 2
 - ☐ 4. 7

Section : General Intelligence and Reasoning

Q.1 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. SL-XQ
 - ☒ 2. CW-HA
 - ☐ 3. GZ-LE
 - ☐ 4. WP-BU

Q.2 Each of the digits in the number 3147569 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ 1. Zero
 - ☒ 2. Two
 - ☐ 3. Three
 - ☐ 4. One



Q.3 This question is based on the five, three-digit numbers given below.
(Left) 666 714 792 824 596 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☒ 1. 7
 - ☒ 2. 13
 - ☒ 3. 9
 - ☒ 4. 11

Q.4 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

11, 96
10, 75

- Ans**
- ☒ 1. 9, 56
 - ☒ 2. 13, 134
 - ☒ 3. 12, 120
 - ☒ 4. 14, 172

Q.5 In a row of 161 students facing north, Mr. Into is 98th from the left end. If Mr. Toni is 20th to the right of Mr. Into, what is Mr. Toni's position from the right end of the line?

- Ans**
- ☒ 1. 43rd
 - ☒ 2. 41st
 - ☒ 3. 42nd
 - ☒ 4. 44th

Q.6 JM 8 is related to FI 11 in a certain way. In the same way, LO 19 is related to HK 22. To which of the following is UX 27 related, following the same logic?

- Ans**
- ☒ 1. QT 30
 - ☒ 2. PT 33
 - ☒ 3. QT 33
 - ☒ 4. PT 30

Q.7 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ROP 1, VST 3, ZWX 5, DAB 7, ?

- Ans**
- ☒ 1. HGF 9
 - ☒ 2. HEF 11
 - ☒ 3. HEF 9
 - ☒ 4. HGF 11

Q.8 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

IGE 13, LJH 17, OMK 21, RPN 25, ?

- Ans**
- ☒ 1. UTS 29
 - ☒ 2. VTQ 28
 - ☒ 3. USQ 29
 - ☒ 4. VTS 29



Q.9 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All actors are dancers.

Some dancers are magicians.

Conclusions:

(I) All dancers are actors.

(II) No magician is a dancer.

Ans ☒ 1. Only conclusion (II) follows.

☒ 2. Both conclusions (I) and (II) follow.

☒ 3. Only conclusion (I) follows.

☒ 4. Neither conclusion (I) nor (II) follows.

Q.10 In a certain code language, 'FLAG' is coded as '7239' and 'ALIF' is coded as '3289'. What is the code for 'I' in the given code language?

Ans ☒ 1. 9

☒ 2. 3

☒ 3. 2

☒ 4. 8

Q.11 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans ☒ 1. CELS

☒ 2. JMSZ

☒ 3. NQWD

☒ 4. SVBI

Q.12 Each of the digits in the number 817594326 is arranged in ascending order from left to right. Which of the following digits will be fourth from the left?

Ans ☒ 1. 5

☒ 2. 6

☒ 3. 4

☒ 4. 3

Q.13 M is the son of L. L is the father of D. D is the brother of N. N is the sister of A. A is the daughter of K. K is the mother of Q. N is married to S. S is the father of C. How is L related to C?

Ans ☒ 1. Father's father

☒ 2. Mother's father

☒ 3. Father's brother

☒ 4. Mother's brother

Q.14 In a certain code language, 'TAME' is coded as '4257' and 'MIND' is coded as '1365'. What is the code for 'M' in the given code language?

Ans ☒ 1. 6

☒ 2. 7

☒ 3. 5

☒ 4. 1



Q.15 Kabir, Sumit, Ranvir, Madhu, Samir and Tanvi are sitting around a circle, facing the centre. Ranvir sits second to the right of Samir. Samir sits second to the right of Madhu. Sumit sits to the immediate left of Samir. Kabir sits second to the left of Tanvi. Who sits to the immediate right of Kabir?

- Ans**
- ☐ 1. Tanvi
 - ☒ 2. Ranvir
 - ☐ 3. Samir
 - ☐ 4. Sumit

Q.16 Six people, A, B, C, D, E and F are sitting in a row, facing north. Only two people sit to the right of C. A sits second to the left of D. B sits to the immediate right of E. F sits on the extreme right end of the line. How many people sit between B and F?

- Ans**
- ☐ 1. One
 - ☐ 2. Two
 - ☐ 3. Four
 - ☒ 4. Three

Q.17 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some Magpies are Swans.

No Swans are Seagulls.

Conclusions:

I: Some Magpies are Seagulls.

II: No Seagulls are Magpies.

- Ans**
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Only conclusion (II) follows.
 - ☐ 3. Both conclusions (I) and (II) follow.
 - ☐ 4. Only conclusion (I) follows.

Q.18 QERG is related to WJVJ in a certain way based on the English alphabetical order. In the same way, OYHS is related to UDLV. To which of the given options is GNTB related, following the same logic?

- Ans**
- ☒ 1. MSXE
 - ☐ 2. MSEX
 - ☐ 3. MSWE
 - ☐ 4. MXEW

Q.19 What should come in place of the question mark (?) in the given series?

82 , 83 , 85 , 89 , 97 , ?

- Ans**
- ☐ 1. 112
 - ☒ 2. 113
 - ☐ 3. 121
 - ☐ 4. 131

Q.20 Each of the digits in the number 9254631 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ 1. Three
 - ☒ 2. Two
 - ☐ 3. None
 - ☐ 4. One



Q.21 Kiya ranked 7th from the bottom and 15th from the top in her class. How many students are there in her class?

- Ans**
- ☒ 1. 22
 - ☒ 2. 21
 - ☒ 3. 20
 - ☒ 4. 19

Q.22 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. LP-GI
 - ☒ 2. NR-IL
 - ☒ 3. QU-LO
 - ☒ 4. JN-EH

Q.23 What should come in place of the question mark (?) in the given series?

425 300 236 209 201 ?

- Ans**
- ☒ 1. 200
 - ☒ 2. 182
 - ☒ 3. 172
 - ☒ 4. 152

Q.24 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$8 - 3 + 63 \times 3 \div 14 = ?$

- Ans**
- ☒ 1. 24
 - ☒ 2. 17
 - ☒ 3. 12
 - ☒ 4. 30

Q.25 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 8 € 1 @ % 5 5 3 % © 2 € £ 7 1 # 8 % 8 7 2 @ (Right)

How many such numbers are there, each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☒ 1. 4
 - ☒ 2. 2
 - ☒ 3. 3
 - ☒ 4. 1

Q.26 What should come in place of the question mark (?) in the given series?

312 320 329 ? 350 362

- Ans**
- ☒ 1. 336
 - ☒ 2. 339
 - ☒ 3. 337
 - ☒ 4. 341



Q.27 Seven boxes, A, B, C, D, M, N and O, are kept one over the other but not necessarily in the same order.
Only three boxes are kept above C. Only one box is kept between O and C. Only three boxes are kept between O and N. N is kept at some place above C. A is kept immediately below N. B is kept at one of the places above D. M is not kept immediately above or below O.
Which box is kept at the lowermost position?

- Ans**
- ☒ 1. M
 - ☒ 2. D
 - ☒ 3. O
 - ☒ 4. A

Q.28 Hanish starts from Point A and drives 12 km towards the north. He then takes a right turn, drives 8 km, turns right and drives 17 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 2 km to the east
 - ☒ 2. 3 km to the west
 - ☒ 3. 3 km to the east
 - ☒ 4. 2 km to the west

Q.29 URKE is related to QOGB in a certain way based on the English alphabetical order. In the same way, EFUS is related to ACQP. To which of the given options is SWIJ related, following the same logic?

- Ans**
- ☒ 1. OTEG
 - ☒ 2. OTYU
 - ☒ 3. OGET
 - ☒ 4. OETY

Q.30 Town J is to the south of Town K. Town L is to the east of Town K. Town M is to the north of Town L. Town N is to the east of Town M. Town O is to the northeast of Town N. What is the position of Town O with respect to Town J?

- Ans**
- ☒ 1. Northeast
 - ☒ 2. Southwest
 - ☒ 3. South
 - ☒ 4. Southeast





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	29/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following is a private sector organisation in India?

- Ans
- ☒ 1. SAIL
 - ☒ 2. TISCO
 - ☒ 3. ONGC
 - ☒ 4. Indian Railways

Q.2 Which of the following States enjoys special provisions under Article 371A due to its unique customary law and land ownership practices?

- Ans
- ☒ 1. Sikkim
 - ☒ 2. Mizoram
 - ☒ 3. Nagaland
 - ☒ 4. Manipur

Q.3 Who among the following sent a telegram on 6 August 1857 stating, 'Our men are cowed by the numbers opposed to them and the endless fighting. Every village is held against us, the zamindars have risen to oppose us'?

- Ans
- ☒ 1. Lieutenant Colonel William Lambton
 - ☒ 2. Lord Cornwallis
 - ☒ 3. Lieutenant Colonel Tytler
 - ☒ 4. Robert Clive

Q.4 What does ASCII stand for?

- Ans
- ☒ 1. American Standard Code for Information Interchange
 - ☒ 2. Auxiliary System for Communication and Interchange
 - ☒ 3. Advanced Standard Coding in Information Industry
 - ☒ 4. Automated System for Computer Information Interchange

Q.5 Which of following sports events was clinched by Indian pair Manush Shah and Diya Chitale in April 2025?

- Ans
- ☒ 1. WTT Contender Lagos 2025
 - ☒ 2. WTT Contender Tunis 2025
 - ☒ 3. WTT Star Contender Ljubljana 2025
 - ☒ 4. United States Smash 2025



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Q.6 What is the mass percentage of sodium hypochlorite typically present in a commercial bleaching solution?

- Ans**
- ☒ 1. 3.62%
 - ☐ 2. 5.46%
 - ☐ 3. 2.57%
 - ☐ 4. 10.85%

Q.7 In which of the following cities was the Paramhansa Mandali founded to work for the abolition of caste?

- Ans**
- ☐ 1. Kanpur
 - ☐ 2. Surat
 - ☐ 3. Patna
 - ☒ 4. Bombay

Q.8 What is the name of the Indian Light Tank that achieved a major milestone in high-altitude firing trials in December 2024?

- Ans**
- ☐ 1. Arjun
 - ☒ 2. Zorawar
 - ☐ 3. Bhishma
 - ☐ 4. Vijayanta

Q.9 According to the India Justice Report 2025, which two states have the highest share of women judges at the High Court level at 33%?

- Ans**
- ☐ 1. Kerala and Andhra Pradesh
 - ☐ 2. Uttar Pradesh and Odisha
 - ☒ 3. Sikkim and Telangana
 - ☐ 4. Chhattisgarh and Madhya Pradesh

Q.10 Select the correct sequence of steps to create a new folder on the desktop?

- Ans**
- ☐ 1. Right-click Taskbar → Select Folder → Press Enter
 - ☐ 2. Click Start → Settings → New → Folder
 - ☐ 3. Open File Explorer → Right-click Desktop → New Folder
 - ☒ 4. Right-click Desktop → New → Folder

Q.11 Which of the following factors DOES NOT directly influence population distribution in India?

- Ans**
- ☒ 1. Official language
 - ☐ 2. Climate
 - ☐ 3. Soil fertility
 - ☐ 4. Topography

Q.12 Article 6 deals with persons who migrated to India from ____.

- Ans**
- ☐ 1. Bangladesh
 - ☐ 2. Sri Lanka
 - ☒ 3. Pakistan
 - ☐ 4. Nepal

Q.13 Which area of the main stem and roots contains the spongy, soft parenchyma cells that carry and store nutrients for the plant?

- Ans**
- ☒ 1. Pith
 - ☐ 2. Cortex
 - ☐ 3. Metaxylem
 - ☐ 4. Stele



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Q.14 Which of the following Articles of the Indian Constitution deals with Union Territories?

- Ans**
- ☐ 1. Article 7
 - ☐ 2. Article 1
 - ☐ 3. Article 262
 - ☒ 4. Article 239

Q.15 Which of the following players completed 12,000 runs in T20 cricket and became eighth player to achieve the milestone in April 2025?

- Ans**
- ☐ 1. Ravindra Jadeja
 - ☐ 2. MS Dhoni
 - ☒ 3. Rohit Sharma
 - ☐ 4. Virat Kohli

Q.16 Which organisation published the 2025 edition of the 'State of the World's Nursing' report?

- Ans**
- ☐ 1. International Labour Organization (ILO)
 - ☐ 2. World Bank
 - ☐ 3. UNICEF
 - ☒ 4. World Health Organization (WHO)

Q.17 Birch and Rhododendrons are found in which kind of forests?

- Ans**
- ☐ 1. Tropical Evergreen and Semi Evergreen forests
 - ☐ 2. Tropical Thorn forests
 - ☒ 3. Montane forests
 - ☐ 4. Littoral and Swamp forests

Q.18 The Visuddhimagga, a key Buddhist text, was written by which of the following scholars?

- Ans**
- ☐ 1. Nagarjuna
 - ☐ 2. Aryadeva
 - ☒ 3. Buddhaghosa
 - ☐ 4. Vasubandhu

Q.19 Who among the following presented the First Five-Year Plan on July 9, 1951?

- Ans**
- ☐ 1. Sardar Vallabhbhai Patel
 - ☐ 2. Rajendra Prasad
 - ☒ 3. Jawaharlal Nehru
 - ☐ 4. Purushottam Das Tandon

Q.20 Which of the following is the first of eight Anti-Submarine Warfare Shallow Water Crafts (ASW SWCs) delivered to the Indian Navy on 8 May 2025?

- Ans**
- ☒ 1. Arnala
 - ☐ 2. Kamorta
 - ☐ 3. Kadmatt
 - ☐ 4. Kiltan

Q.21 After amalgamation of 26 Regional Rural Banks (RRBs) in fourth phase of amalgamation, as notified by Department of Financial Services (DFS) in 2025, how many RRBs will be left in the country?

- Ans**
- ☐ 1. 25
 - ☒ 2. 28
 - ☐ 3. 18
 - ☐ 4. 21



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Q.22 In April 2025, a tri-services all women circumnavigation sailing expedition, 'Samudra Pradakshina' flagged off from:

- Ans**
- ☐ 1. Durgapur
 - ☐ 2. Madurai
 - ☐ 3. Trivandrum
 - ☒ 4. Mumbai

Q.23 The Kailasa Temple at Ellora is an example of which of the following types of architecture?

- Ans**
- ☐ 1. Wooden architecture
 - ☒ 2. Rock-cut architecture
 - ☐ 3. Islamic architecture
 - ☐ 4. Colonial architecture

Q.24 In which of the following years did the Government of Bengal pass the Calcutta Electric Lighting Act?

- Ans**
- ☒ 1. 1895
 - ☐ 2. 1900
 - ☐ 3. 1911
 - ☐ 4. 1904

Q.25 During May 2025, the 4th Europe-Africa Forum was organised in which location?

- Ans**
- ☐ 1. Nice
 - ☒ 2. Marseille
 - ☐ 3. Lyon
 - ☐ 4. Paris

Q.26 e-NAM is a key reform aimed at integrating agricultural markets in India. What is the primary goal of the e-NAM initiative?

- Ans**
- ☐ 1. Crop insurance
 - ☐ 2. Minimum wage guarantee
 - ☒ 3. Online trading of agricultural produce
 - ☐ 4. Fertiliser subsidy

Q.27 The RTI Act empowers citizens of India to seek information from which of the following?

- Ans**
- ☐ 1. Private companies
 - ☐ 2. Foreign embassies
 - ☐ 3. Non-governmental organisations
 - ☒ 4. Government departments

Q.28 Which programme was launched in 1953 to expand rural development more feasibly?

- Ans**
- ☒ 1. National Extension Service (NES)
 - ☐ 2. Bharat Nirman Yojana
 - ☐ 3. Jawahar Rojgar Yojana
 - ☐ 4. Training for Rural Youth for Self-Employment

Q.29 Which acid was first created from inorganic materials by Hermann Kolbe in 1845?

- Ans**
- ☐ 1. Sulphuric acid
 - ☐ 2. Formic Acid
 - ☐ 3. Citric Acid
 - ☒ 4. Acetic Acid



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Q.30 Western disturbances mainly affect the weather of which region in India?

- Ans**
- ☒ 1. North-West India
 - ☐ 2. Coastal Andhra Pradesh
 - ☐ 3. Eastern Ghats
 - ☐ 4. Deccan Plateau

Q.31 Which of the following transportation systems was primarily developed in India to serve colonial economic interests?

- Ans**
- ☐ 1. Inland waterways
 - ☐ 2. Metro rail
 - ☒ 3. Railways
 - ☐ 4. Airways

Q.32 During the Indus Valley Civilisation, the presence of jewellery made from precious metals and semi-precious stones in small-town settings supports the argument that ____.

- Ans**
- ☐ 1. the civilisation was ruled by autocratic priest-kings
 - ☐ 2. there was an equal access to material goods
 - ☒ 3. there was strong social stratification
 - ☐ 4. only the elite had access to luxury items.

Q.33 In 2025, ISRO sprouted which of the following seeds in space under microgravity conditions?

- Ans**
- ☐ 1. Soya bean seeds
 - ☐ 2. Chickpea seed
 - ☒ 3. Cowpea seeds
 - ☐ 4. Kidney bean seeds

Q.34 Which of the following groups of people is said to have migrated into the late Indus Valley era India from Central Asia?

- Ans**
- ☐ 1. Dravidas
 - ☐ 2. Mesopotamians
 - ☒ 3. Aryans
 - ☐ 4. Shakas

Q.35 What is the name of the indigenous electric trainer aircraft initiative launched by India in March 2025 to promote green aviation?

- Ans**
- ☐ 1. Green Hawk
 - ☒ 2. E-HANSA
 - ☐ 3. Vayu
 - ☐ 4. Shakti

Q.36 When was the historic Paris Agreement on climate change adopted by world leaders during the UN Climate Change Conference (COP21)?

- Ans**
- ☐ 1. 1999
 - ☐ 2. 2005
 - ☐ 3. 2012
 - ☒ 4. 2015



Q.37 Which of the following joint military exercises is conducted annually between the armies of India and Japan, with the sixth edition held near Mount Fuji in 2025?

- Ans**
- ☐ 1. Maitree
 - ☐ 2. Shakti
 - ☐ 3. Indra
 - ☒ 4. Dharma Guardian

Q.38 Christian Stalker is the Federal Chancellor of which country?

- Ans**
- ☒ 1. Austria
 - ☐ 2. Finland
 - ☐ 3. Sweden
 - ☐ 4. Norway

Q.39 The Right to Protection in respect of conviction for offences (including protection from double jeopardy and self-incrimination) is covered under:

- Ans**
- ☐ 1. Article 22
 - ☒ 2. Article 20
 - ☐ 3. Article 23
 - ☐ 4. Article 21

Q.40 Which type of weathering is primarily involved in the enrichment of bauxite and other ores?

- Ans**
- ☐ 1. Mechanical weathering
 - ☐ 2. Glacial weathering
 - ☐ 3. Biological weathering
 - ☒ 4. Chemical weathering

Section : Mathematics

Q.1 The average runs scored by a batsman in 23 matches is 43. In the next 10 matches, the batsman scored an average of 16 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

- Ans**
- ☐ 1. 33.82
 - ☒ 2. 34.82
 - ☐ 3. 35.82
 - ☐ 4. 36.82

Q.2 The value of $\sqrt{196} + \sqrt{0.0361} - \sqrt{7.29}$ is ____.

- Ans**
- ☒ 1. 11.49
 - ☐ 2. 9.66
 - ☐ 3. 16.65
 - ☐ 4. 16.25

Q.3 Five solid cubes, each of volume 39304 cm^3 , are joined end to end to form a cuboid. What is the lateral surface area (in cm^2) of the cuboid?

- Ans**
- ☒ 1. 13872
 - ☐ 2. 13838
 - ☐ 3. 13905
 - ☐ 4. 13877



Q.4 Pipe A can fill a tank in 18 hours, pipe B can fill the same tank in 28 hours and pipe C can fill the same tank in 11 hours. The time taken by them to fill the same tank if they operate together is::

Ans

☐ 1. $10\frac{247}{505}$ hours

☐ 2. $7\frac{247}{505}$ hours

☐ 3. $11\frac{247}{505}$ hours

☒ 4. $5\frac{247}{505}$ hours

Q.5 If $P = \tan\theta + \sec\theta$, then the value of $\tan\theta$ is:

Ans

☐ 1. $\frac{P^2 + 1}{P}$

☐ 2. $\frac{P^2 - 1}{P + 1}$

☐ 3. $\frac{P^2 + 1}{2P}$

☒ 4. $\frac{P^2 - 1}{2P}$

Q.6 Train A leaves station M at 6:25 AM and reaches station N at 3:25 PM on the same day. Train B leaves station N at 8:25 AM and reaches station M at 2:25 PM on the same day. Find the time when trains A and B meet.

Ans

☐ 1. 11:43 AM

☐ 2. 10:53 AM

☐ 3. 12:13 PM

☒ 4. 11:13 AM

Q.7 The marks scored by 10 students are given below.
17, 19, 12, 20, 19, 14, 15, 18, 19, 14
The mode of the given data is:

Ans

☐ 1. 20

☐ 2. 12

☐ 3. 17

☒ 4. 19

Q.8 If the sum of the interior angles of a regular polygon is equal to four times the sum of its exterior angles, then what is the number of diagonals in the polygon?

Ans

☐ 1. 30

☒ 2. 35

☐ 3. 25

☐ 4. 40

Q.9 Simplify: $x(2x - 3) + 2(x^2 - 4) + 16$

Ans

☒ 1. $4x^2 - 3x + 8$

☐ 2. $-4x^2 - 3x + 8$

☐ 3. $4x^2 - 3x - 8$

☐ 4. $-4x^2 - 3x - 8$



Q.10 A dealer offers successive discounts of 15% and 12% on a refrigerator marked at ₹25,000. What is the final selling price?

- Ans**
- ☐ 1. ₹18,900
 - ☒ 2. ₹18,700
 - ☐ 3. ₹19,000
 - ☐ 4. ₹18,800

Q.11 I bought two pendants for ₹1,200. I sold the first one at a loss of 10% and the second at a gain of 14%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first pendant.

- Ans**
- ☐ 1. 724
 - ☐ 2. 684
 - ☐ 3. 720
 - ☒ 4. 700

Q.12 Two pipes can fill a cistern, individually, in 36 min and 45 min, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 70 min. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

- Ans**
- ☐ 1. 20 min
 - ☒ 2. 28 min
 - ☐ 3. 8 min
 - ☐ 4. 44 min

Q.13 The marked price of a shirt is ₹500. If the shopkeeper offers a 20% discount, what is the selling price of the shirt?

- Ans**
- ☐ 1. ₹480
 - ☒ 2. ₹400
 - ☐ 3. ₹450
 - ☐ 4. ₹420

Q.14 Ishaan and Meghna have to travel from Delhi to Kanpur in their respective cars. Ishaan is driving at 90 km/hr while Meghna is driving at 65 km/hr. Find the time taken by Meghna to reach Kanpur if Ishaan takes 13 hours.

- Ans**
- ☐ 1. 21 hours
 - ☐ 2. 27 hours
 - ☐ 3. 23 hours
 - ☒ 4. 18 hours

Q.15 The value of $\frac{4}{3} + \left(\frac{1}{1 + \frac{5}{6}} \right) - \frac{5}{4}$ is

- Ans**
- ☒ 1. $\frac{83}{132}$
 - ☐ 2. $\frac{93}{125}$
 - ☐ 3. $\frac{89}{126}$
 - ☐ 4. $\frac{85}{134}$



Q.16 A number, when increased by 70%, gives 3400. The number is:

- Ans
- ☐ 1. 6000
 - ☐ 2. 4000
 - ☒ 3. 2000
 - ☐ 4. 1000

Q.17 If the third proportional of 8 and 20 be x, then what is the value of x?

- Ans
- ☐ 1. 48
 - ☐ 2. 52
 - ☒ 3. 50
 - ☐ 4. 47

Q.18 Ritu, Sameer, and Isha invest ₹1,190, ₹1,060, and ₹1,350, respectively, to start a business. If the profit at the end of the year is ₹1,640, then what is the share of Isha in the profit?

- Ans
- ☐ 1. ₹613
 - ☐ 2. ₹614
 - ☐ 3. ₹617
 - ☒ 4. ₹615

Q.19 The HCF and the LCM of two numbers are 17 and 1224, respectively. If one of the numbers is 136, find the other one.

- Ans
- ☐ 1. 85
 - ☐ 2. 102
 - ☒ 3. 153
 - ☐ 4. 119

Q.20 Find the simple interest (in ₹) on ₹4,000 at 7.5% per annum rate of interest deposited on 4 February 2024 and withdrawn on 5 April 2024.

- Ans
- ☒ 1. 50
 - ☐ 2. 49
 - ☐ 3. 48
 - ☐ 4. 51

Q.21 If 3 times a mother's present age is 24 years more than 9 times her daughter's present age, and 4 times the daughter's present age is 2 years less than the mother's present age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans
- ☒ 1. 20
 - ☐ 2. 22
 - ☐ 3. 17
 - ☐ 4. 15

Q.22 The LCM of the numbers 5.3 and 0.4 is:

- Ans
- ☐ 1. 0.212
 - ☐ 2. 212
 - ☒ 3. 21.2
 - ☐ 4. 2.12



Q.23 The number 563607 is divisible by which of the following?

- Ans
- ☐ 1. 8
 - ☒ 2. 3
 - ☐ 3. 13
 - ☐ 4. 10

Q.24 In an election between two candidates, 80% of the registered voters cast their vote and 19% of the votes polled were found invalid. The winning candidate got 70% of the valid votes and won the election by a margin of 1458 votes. How many voters were registered?

- Ans
- ☒ 1. 5625
 - ☐ 2. 5622
 - ☐ 3. 5627
 - ☐ 4. 5623

Q.25 Find the value of $95^{-17} \div 95^9 \times 95^{-15}$.

- Ans
- ☐ 1. 95^{-49}
 - ☒ 2. 95^{-41}
 - ☐ 3. 95^{-35}
 - ☐ 4. 95^{-42}

Q.26 The cost of 2 pens and 15 pencils is ₹286. If the cost of a pen decreases by ₹4 and the cost of a pencil increases by ₹2, then the cost of 17 pens and 3 pencils is ₹128. What is the original cost of 11 pens and 8 pencils?

- Ans
- ☐ 1. ₹229
 - ☐ 2. ₹228
 - ☒ 3. ₹232
 - ☐ 4. ₹235

Q.27 Salman and Vivek together invested ₹33,900 in a business. At the end of the year, out of a total profit of ₹10,000, Vivek's share was ₹3,700. What was the difference between their investments?

- Ans
- ☒ 1. ₹8,814
 - ☐ 2. ₹9,547
 - ☐ 3. ₹8,840
 - ☐ 4. ₹9,551

Q.28 Sapna invested ₹20,300 on simple interest, partly at the rate of 8% per annum and partly at the rate of 6% per annum. If she earns equal interests from the two investments after 6 years, then find the sum invested at the rate of 8% per annum (in ₹).

- Ans
- ☐ 1. 8,699
 - ☐ 2. 8,697
 - ☐ 3. 8,702
 - ☒ 4. 8,700

Q.29 The selling price of 10 books is equal to the cost price of 16 books. Find the loss or gain percentage on these books.

- Ans
- ☐ 1. 60% loss
 - ☐ 2. $\frac{100}{6}\%$ loss
 - ☒ 3. 60% gain
 - ☐ 4. $\frac{100}{6}\%$ gain



Q.30 What is the surface area of a sphere of radius 8 cm? (use $\pi = 3.14$)

- Ans
- ☐ 1. 800.08 cm²
 - ☐ 2. 801.18 cm²
 - ☐ 3. 805.54 cm²
 - ☒ 4. 803.84 cm²

Section : General Intelligence and Reasoning

Q.1 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(45, 80, 5)
(39, 30, 24)

- Ans
- ☒ 1. (45, 72, 9)
 - ☐ 2. (15, 10, 11)
 - ☐ 3. (27, 6, 25)
 - ☐ 4. (15, 0, 16)

Q.2 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. GJP
 - ☐ 2. KNT
 - ☒ 3. QIA
 - ☐ 4. ORX

Q.3 All 79 students in a class are standing in a row facing north. Shantanu is 37th from the right end while Vani is 23rd from the left end. How many people stand between Shantanu and Vani?

- Ans
- ☐ 1. 20
 - ☐ 2. 21
 - ☐ 3. 18
 - ☒ 4. 19

Q.4 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only four boxes are kept between F and A. Only B is kept above F. Only two boxes are kept between G and E. D is kept immediately above C. E is not kept immediately above D. How many boxes are kept between E and F?

- Ans
- ☒ 1. 3
 - ☐ 2. 2
 - ☐ 3. 1
 - ☐ 4. 4

Q.5 IGBF is related to OMHL in a certain way based on the English alphabetical order. In the same way, KIDH is related to QOJN. To which of the given options is MKFJ related, following the same logic?

- Ans
- ☒ 1. SQLP
 - ☐ 2. QSLP
 - ☐ 3. QSPL
 - ☐ 4. SQPL



Q.6 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Note: All numbers are single digit numbers only.)

(Left) 6 2 & % 5 9 # 8 \$ 7 + Ω @ 1 * £ 3 4 (Right)

How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by a number?

- Ans**
- ☒ 1. 4
 - ☒ 2. 3
 - ☒ 3. 5
 - ☒ 4. 2

Q.7 In a certain code language, 'life is mysterious' is coded as 'qr gt ob' and 'give his life' is coded as 'ob ft rd'. How is 'life' coded in the given language?

- Ans**
- ☒ 1. ft
 - ☒ 2. rd
 - ☒ 3. qr
 - ☒ 4. ob

Q.8 In a certain code language, 'PEST' is coded as '4597' and 'HEPS' is coded as '7654'. What is the code for 'H' in the given code language?

- Ans**
- ☒ 1. 6
 - ☒ 2. 4
 - ☒ 3. 5
 - ☒ 4. 7

Q.9 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BGS 153, XLO 142, TQK 131, PVG 120, LAC 109, ?

- Ans**
- ☒ 1. FHA 98
 - ☒ 2. GDZ 101
 - ☒ 3. IDX 101
 - ☒ 4. HFY 98

Q.10 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

All Wolves are Rhinoceroses.

No Rhinoceroses are Kangaroos.

Conclusions:

I: No Kangaroos are Wolves.

II: Some Kangaroos are Wolves.

- Ans**
- ☒ 1. Only conclusion (I) follows.
 - ☒ 2. Neither conclusion (I) nor (II) follows.
 - ☒ 3. Only conclusion (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.



Q.11 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. MOK
 - ☒ 2. OQM
 - ☒ 3. OSP
 - ☒ 4. DFB

Q.12 Seven boxes, A, B, C, D, K, L and O, are kept one over the other, but not necessarily in the same order. Only two boxes are kept below O. Only one box is kept above L. Only one box is kept between L and D. C is kept immediately above K. A is kept at some place below B. How many boxes are kept between B and C?

- Ans**
- ☒ 1. Four
 - ☒ 2. Two
 - ☒ 3. Three
 - ☒ 4. One

Q.13 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$25 - 9 \times 3 + 4 \div 2 = ?$$

- Ans**
- ☒ 1. 20
 - ☒ 2. 17
 - ☒ 3. 19
 - ☒ 4. 18

Q.14 What should come in place of the question mark (?) in the given series?

991 990 992 991 993 992 994 ?

- Ans**
- ☒ 1. 993
 - ☒ 2. 996
 - ☒ 3. 995
 - ☒ 4. 992

Q.15 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All doors are carpets.
No carpet is a mat.

Conclusions:

(I) No door is a mat.
(II) No mat is a carpet.

- Ans**
- ☒ 1. Only conclusion (II) follows.
 - ☒ 2. Only conclusion (I) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.16 B is the brother of A. A is the wife of C. C is the father of K. K is the mother of S. How is B related to S?

- Ans**
- ☒ 1. Mother's mother's sister
 - ☒ 2. Mother's sister's daughter
 - ☒ 3. Mother's mother's brother
 - ☒ 4. Mother's sister's son



Q.17 Vignesh starts from Point Y and drives 17 km towards south. He then takes a left turn, drives 25 km. He then turns right and drives 9 km. He takes a final right turn, drives 25 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 26 km towards east
 - ☒ 2. 26 km towards north
 - ☒ 3. 19 km towards south
 - ☒ 4. 13 km towards west

Q.18 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$12 \div 6 + 28 \times 4 - 11 = ?$$

- Ans**
- ☒ 1. 72
 - ☒ 2. 76
 - ☒ 3. 74
 - ☒ 4. 78

Q.19 L, M, N, O, Q, R and S are sitting around a circular table, facing the centre of the table. Only two people sit between O and R when counted from the right of O. Only two people sit between R and M. Only three people sit between O and N. L sits to the immediate left of Q. Who sits third to the left of S?

- Ans**
- ☒ 1. Q
 - ☒ 2. R
 - ☒ 3. L
 - ☒ 4. N

Q.20 Each of the digits in the number 5936814 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and fourth from the right in the new number thus formed?

- Ans**
- ☒ 1. 13
 - ☒ 2. 9
 - ☒ 3. 11
 - ☒ 4. 8

Q.21 Nilesh starts from Point Y and drives 17 km towards the north. He then takes a left turn and drives 31 km, then turns left and drives 45 km. He then takes a right turn and drives 23 km. He takes a right turn, drives 28 km and stops at Point Z. How far (shortest distance) and in which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 61 km towards the west
 - ☒ 2. 58 km towards the west
 - ☒ 3. 54 km towards the east
 - ☒ 4. 49 km towards the east

Q.22 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
DKC ZGY ? RYQ NUM

- Ans**
- ☒ 1. UDU
 - ☒ 2. VCV
 - ☒ 3. VCU
 - ☒ 4. VDU



Q.23 What should come in place of the question mark (?) in the given series?

112 101 90 79 68 ?

- Ans**
- ☐ 1. 56
 - ☐ 2. 54
 - ☐ 3. 55
 - ☒ 4. 57

Q.24 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. MC - PY
 - ☒ 2. YV - CR
 - ☐ 3. PF - SB
 - ☐ 4. JB - MX

Q.25 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 9524367, then how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. Two
 - ☐ 2. None
 - ☒ 3. Three
 - ☐ 4. One

Q.26 Seven people, A, B, C, D, P, Q and R, are sitting in a row, facing north. Only two people sit to the left of B. Only three people sit between B and Q. Only one person sits between Q and P. D sits to the immediate left of C. R is not an immediate neighbour of Q. How many people sit to the right of A?

- Ans**
- ☐ 1. Three
 - ☒ 2. One
 - ☐ 3. Two
 - ☐ 4. Four

Q.27 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

RUST - URST - RSTU
KITE - IKTE - KTEI

- Ans**
- ☐ 1. MINK - IMNK - KINM
 - ☒ 2. MANY - AMNY - MNYA
 - ☐ 3. SPOT - PSOT - POTS
 - ☐ 4. VEIN - VIEN - NIEV

Q.28 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.
SDF : RCE
MVZ : LUY

- Ans**
- ☒ 1. BGJ : AFI
 - ☐ 2. RTY : SZU
 - ☐ 3. ADH : BFJ
 - ☐ 4. CNR : DOS



Q.29 This question is based on the five, three-digit numbers given below.

(Left) 538 745 317 853 276 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
-  1. 9
 -  2. 8
 -  3. 11
 -  4. 10

Q.30 What should come in place of the question mark (?) in the given series?

4 8 24 96 ? 2880

- Ans**
-  1. 240
 -  2. 410
 -  3. 480
 -  4. 320





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	29/08/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following subjects was NOT a part of the Transferred Subjects under the Government of India Act of 1919?

- Ans**
- ☒ 1. Local self-government
 - ☒ 2. Police
 - ☒ 3. Health
 - ☒ 4. Education

Q.2 Which of the following properties generally increases across a period (left to right) in the periodic table?

- Ans**
- ☒ 1. Reduction
 - ☒ 2. Ionisation enthalpy
 - ☒ 3. Metallic character
 - ☒ 4. Atomic radius

Q.3 Who was appointed as the Chairman of the Union Public Service Commission (UPSC) in 2025, succeeding Preeti Sudan?

- Ans**
- ☒ 1. Sanjay Mitra
 - ☒ 2. Anil Swarup
 - ☒ 3. Ajay Kumar
 - ☒ 4. Rajiv Gauba

Q.4 Yagnavarman, Sardulavarman and Anantavarman were the kings of which of the following kingdoms?

- Ans**
- ☒ 1. Magadha Guptas
 - ☒ 2. Maitrakas of Valabhi
 - ☒ 3. Maukharis of Kanauj
 - ☒ 4. Pushyabhutis of Thanesar

Q.5 Before becoming the Chief Justice of India, Justice BR Gavai served in which court?

- Ans**
- ☒ 1. Delhi High Court
 - ☒ 2. Allahabad High Court
 - ☒ 3. Bombay High Court
 - ☒ 4. Madras High Court



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Q.6 What is the purpose of the submarine cable project launched by the Indian National Centre for Ocean Information Services (INCOIS) in 2025?

- Ans**
- ☐ 1. Improve underwater defense systems
 - ☐ 2. Support ocean tourism
 - ☐ 3. Increase internet speed in coastal areas
 - ☒ 4. Enhance long-term Indian Ocean observations

Q.7 A solution with a pH of 2 is how many times more acidic than a solution with pH 4?

- Ans**
- ☐ 1. 10 times
 - ☐ 2. 2 times
 - ☒ 3. 100 times
 - ☐ 4. 200 times

Q.8 The spread of the Green Revolution technology enabled India to achieve self-sufficiency in _____.

- Ans**
- ☐ 1. sugarcane
 - ☐ 2. vegetables
 - ☐ 3. oil seeds
 - ☒ 4. food grains

Q.9 Which postulate of Dalton's atomic theory explains the Law of Definite Proportions?

- Ans**
- ☐ 1. Atoms are indivisible and indestructible.
 - ☐ 2. Atoms of different elements have different masses and properties.
 - ☐ 3. Atoms of the same element are identical in mass and size.
 - ☒ 4. Atoms combine in simple whole-number ratios to form compounds.

Q.10 Which ISRO mission, launched in May 2025, aims to enhance India's all-weather day-and-night Earth observation capabilities?

- Ans**
- ☐ 1. INSAT-3DS
 - ☐ 2. Cartosat-3
 - ☐ 3. RISAT-1B
 - ☒ 4. EOS-09

Q.11 Who among the following translated the book 'Heart Lamp' from Kannada to English, for which the author won the prestigious International Booker Prize in May 2025?

- Ans**
- ☐ 1. Manorama Mishra
 - ☒ 2. Deepa Bhashti
 - ☐ 3. Chitra Banerjee Divakaruni
 - ☐ 4. Geeta Singh

Q.12 Which Article of the Indian Constitution empowers the Parliament and State Legislatures to make laws for the whole or any part of the territory of India?

- Ans**
- ☐ 1. Article 250
 - ☒ 2. Article 245
 - ☐ 3. Article 249
 - ☐ 4. Article 256

Q.13 What happened to employment opportunities after the 1991 reforms?

- Ans**
- ☐ 1. Stayed the same
 - ☒ 2. Increased, especially in private and service sectors
 - ☐ 3. Decreased in all sectors
 - ☐ 4. Only grew in agriculture



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Q.14 The largest area of the Great Indian Desert in India is located in which state?

- Ans**
- ☐ 1. Gujarat
 - ☒ 2. Rajasthan
 - ☐ 3. Punjab
 - ☐ 4. Haryana

Q.15 Which agency on 2025 authorised to share information with the Enforcement Directorate (ED) under the Prevention of Money Laundering Act to combat cyber fraud?

- Ans**
- ☒ 1. Indian Cyber Crime Coordination Centre (I4C)
 - ☐ 2. Central Bureau of Investigation (CBI)
 - ☐ 3. National Cyber Crime Reporting Portal (NCRP)
 - ☐ 4. Cyber and Information Security Division (CISD)

Q.16 In January 2025, which state cricket association unveiled plans to construct the largest cricket stadium in India, with a seating capacity of 1.25 lakh spectators?

- Ans**
- ☐ 1. Odisha Cricket League
 - ☐ 2. Punjab Cricket Association
 - ☐ 3. Delhi District Cricket Association
 - ☒ 4. Andhra Cricket Association

Q.17 Which of the following is a mode of losing Indian citizenship?

- Ans**
- ☒ 1. Renunciation
 - ☐ 2. Birth
 - ☐ 3. Registration
 - ☐ 4. Naturalization

Q.18 In which year was the Paris Agreement adopted?

- Ans**
- ☒ 1. 2015
 - ☐ 2. 2013
 - ☐ 3. 2016
 - ☐ 4. 2017

Q.19 In the context of British plantations in India, what does the term 'bigha' refer to?

- Ans**
- ☒ 1. A unit of measurement of land
 - ☐ 2. A plant that replaced indigo in Britain
 - ☐ 3. An agreement made with the ryots
 - ☐ 4. A revenue estate which has one or more villages

Q.20 Which of the following accurately represents the two main components of the CPU and their functions?

- Ans**
- ☐ 1. Monitor and Keyboard – Control the speed of data processing
 - ☐ 2. RAM and ROM – Store data and instructions permanently
 - ☐ 3. HDD and SSD – Perform data input and output tasks
 - ☒ 4. ALU and CU – Perform calculations and control all computer operations

Q.21 What are quaternary activities mainly associated with?

- Ans**
- ☐ 1. Transportation
 - ☐ 2. Industrial work
 - ☒ 3. Information and research
 - ☐ 4. Agriculture



Q.22 Which of the following Five-Year Plans was based on the Harrod-Domar Model?

- Ans**
- ☒ 1. First
 - ☐ 2. Third
 - ☐ 3. Fifth
 - ☐ 4. Seventh

Q.23 In FIFO scheduling, which process is executed first?

- Ans**
- ☐ 1. The process with the shortest execution time
 - ☒ 2. The process that arrives first
 - ☐ 3. The process with the highest priority
 - ☐ 4. The process that arrives last

Q.24 Where was the 12th World Government Summit, 2025, held?

- Ans**
- ☐ 1. Delhi, India
 - ☐ 2. Muscat, Oman
 - ☐ 3. Riyadh, Saudi Arabia
 - ☒ 4. Dubai, UAE

Q.25 What is the general slope of the Deccan Plateau?

- Ans**
- ☐ 1. North to South
 - ☒ 2. West to East
 - ☐ 3. South to North
 - ☐ 4. East to West

Q.26 During which period of Indian history were the stupas of Sanchi and Sarnath built, reflecting its architectural style?

- Ans**
- ☐ 1. Gupta rule
 - ☐ 2. Kushan rule
 - ☒ 3. Mauryan rule
 - ☐ 4. Vakataka rule

Q.27 Which of the following countries was elected to the Vice Presidency of the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) in 2025?

- Ans**
- ☐ 1. France
 - ☐ 2. Japan
 - ☐ 3. Australia
 - ☒ 4. India

Q.28 Who among the following strongly criticised British education for being too Western and disconnected from Indian realities?

- Ans**
- ☐ 1. Charles Wood
 - ☒ 2. Rabindranath Tagore
 - ☐ 3. Raja Rammohan Roy
 - ☐ 4. Macaulay

Q.29 The 'Nuclear Energy Mission for Viksit Bharat' aims to achieve how much nuclear energy capacity by 2047?

- Ans**
- ☐ 1. 75 GW
 - ☐ 2. 125 GW
 - ☐ 3. 50 GW
 - ☒ 4. 100 GW



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Q.30 Which Indo-Greek ruler's envoy Heliodorus installed a pillar in Vidisha and was a devotee of Lord Krishna?

- Ans**
- ☐ 1. Diodotus
 - ☐ 2. Demetrius
 - ☒ 3. Antialkidas
 - ☐ 4. Menander

Q.31 The famous male torso from Harappa, remarkable for its naturalistic pose and chiselled in the round, is made of _____.

- Ans**
- ☐ 1. steatite
 - ☒ 2. red limestone
 - ☐ 3. bronze
 - ☐ 4. terracotta

Q.32 Ashok Chandra assumed charge as Managing Director and Chief Executive Officer of _____ on 16th January 2025.

- Ans**
- ☒ 1. Punjab National Bank
 - ☐ 2. Central Bank of India
 - ☐ 3. Canara Bank
 - ☐ 4. Union Bank of India

Q.33 What is the projected valuation of India's satellite communication (satcom) market by 2028?

- Ans**
- ☐ 1. \$10 billion
 - ☒ 2. \$20 billion
 - ☐ 3. \$5 billion
 - ☐ 4. \$15 billion

Q.34 Canal irrigation is best suited for which of the following geographical regions?

- Ans**
- ☐ 1. High mountain regions
 - ☐ 2. Rocky plateaus
 - ☒ 3. River basins and flat lands
 - ☐ 4. Desert regions

Q.35 Under what conditions can the Parliament legislate on matters in the State List according to constitutional provisions?

- Ans**
- ☒ 1. When the Rajya Sabha passes a resolution.
 - ☐ 2. During a national emergency declared under Article 352.
 - ☐ 3. If the President signs a proclamation without Parliament's involvement.
 - ☐ 4. If a Governor requests it due to a financial emergency in the state.

Q.36 By when has India aimed to achieve its defence production of ₹3 lakh crore, which will strengthen its position as a global defence manufacturing hub?

- Ans**
- ☐ 1. 2032
 - ☒ 2. 2029
 - ☐ 3. 2028
 - ☐ 4. 2030



Q.37 Which initiative was launched to provide reliable electricity to all households in India, especially in rural areas?

- Ans**
- ☐ 1. UJALA Scheme
 - ☐ 2. Shakti Scheme
 - ☒ 3. Saubhagya Scheme
 - ☐ 4. GARV Dashboard

Q.38 Who among the following passed an Act in 1898, making it an offence to provoke people against the British rulers?

- Ans**
- ☒ 1. Lord Curzon
 - ☐ 2. Lord Northbrook
 - ☐ 3. Lord Elgin
 - ☐ 4. Lord Mayo

Q.39 The process of planet formation through collision and sticking of small celestial bodies is called:

- Ans**
- ☐ 1. Fragmentation
 - ☐ 2. Degassing
 - ☐ 3. Differentiation
 - ☒ 4. Accretion

Q.40 Lok Adalats in India have statutory status under which of the following enactments?

- Ans**
- ☐ 1. The Civil Procedure Code, 1908
 - ☐ 2. The Indian Penal Code, 1860
 - ☒ 3. The Legal Services Authorities Act, 1987
 - ☐ 4. The Arbitration and Conciliation Act, 1996

Section : Mathematics

Q.1 A can do a work in 12 days and B can do the same work in 25 days. If they work on it together for 6 days, then what fraction of the work is left?

- Ans**
- ☐ 1. $\frac{9}{50}$
 - ☐ 2. $\frac{17}{50}$
 - ☒ 3. $\frac{13}{50}$
 - ☐ 4. $\frac{21}{50}$

Q.2 Evaluate: $(-9) - (-60) \div (-10) + (-3) \times 9$

- Ans**
- ☒ 1. -42
 - ☐ 2. -44
 - ☐ 3. -45
 - ☐ 4. -41



Q.3 The HCF and the LCM of two numbers are 18 and 216, respectively. If one of the numbers is 72, find the other one.

- Ans**
- ☐ 1. 25
 - ☐ 2. 10
 - ☒ 3. 54
 - ☐ 4. 5

Q.4 If the 6-digit number N36M77 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans**
- ☐ 1. $M + N = -3$
 - ☒ 2. $M - N = 3$
 - ☐ 3. $M - N = 1$
 - ☐ 4. $M = N$

Q.5 The product of two positive numbers is 245. If the first number is five times the second number, then the sum of the two numbers is:

- Ans**
- ☐ 1. 38
 - ☐ 2. 51
 - ☐ 3. 40
 - ☒ 4. 42

Q.6 Train A leaves station M at 8:35 AM and reaches station N at 3:35 PM on the same day. Train B leaves station N at 10:35 AM and reaches station M at 3:35 PM on the same day. Find the time when trains A and B meet.

- Ans**
- ☐ 1. 11:50 AM
 - ☒ 2. 12:40 PM
 - ☐ 3. 12:10 PM
 - ☐ 4. 12:50 PM

Q.7 If the third proportional of 8 and 16 be x, then what is the value of x?

- Ans**
- ☐ 1. 31
 - ☐ 2. 34
 - ☒ 3. 32
 - ☐ 4. 35

Q.8 A bus travelling at 10 km/hr completes a journey in 16 hours. At what speed will it have to cover the same distance in 8 hours?

- Ans**
- ☐ 1. 14 km/hr
 - ☐ 2. 10 km/hr
 - ☒ 3. 20 km/hr
 - ☐ 4. 25 km/hr

Q.9 Praveen and Hemant start a business. Praveen invests ₹78,000 more than Hemant for 5 months and Hemant invests for 6 months. Praveen's share is ₹1,360 more than that of Hemant, out of a total profit of ₹5,440. Find the capital contributed by Praveen.

- Ans**
- ☒ 1. ₹1,56,000
 - ☐ 2. ₹1,55,955
 - ☐ 3. ₹1,55,875
 - ☐ 4. ₹1,56,185



Q.10 Sapna invested ₹22,800 on simple interest, partly at 5% per annum and partly at 11% per annum. If she earns equal interests from the two investments after 4 years, then find the sum invested at 5% per annum (in ₹).

- Ans
- ☐ 1. 15,676
 - ☒ 2. 15,675
 - ☐ 3. 15,678
 - ☐ 4. 15,677

Q.11 Simplify: $\frac{(\sin\theta - \cos\theta)(1 + \tan\theta + \cot\theta)}{1 + \sin\theta\cos\theta} + \frac{\sin\theta}{1 + \cos\theta} + \frac{1 + \cos\theta}{\sin\theta}$

- Ans
- ☒ 1. $\operatorname{cosec}\theta + \sec\theta$
 - ☐ 2. $\sin\theta + \cos\theta$
 - ☐ 3. $\tan\theta + \sec\theta$
 - ☐ 4. $\sin\theta\sec\theta$

Q.12 The value of $\frac{4}{3} + \left(\frac{1}{1 + \frac{2}{7}} \right) - \frac{2}{3}$ is

- Ans
- ☐ 1. $\frac{16}{19}$
 - ☐ 2. $\frac{4}{9}$
 - ☒ 3. $\frac{13}{9}$
 - ☐ 4. $\frac{5}{8}$

Q.13 The average of first 159 even numbers is

- Ans
- ☐ 1. 161
 - ☐ 2. 160.5
 - ☐ 3. 159.5
 - ☒ 4. 160

Q.14 Given that $112^{0.57} = x$, $112^{0.8} = y$ and $x^z = y^6$, then the value of z is close to:

- Ans
- ☐ 1. 10.14
 - ☐ 2. 9.12
 - ☐ 3. 8.45
 - ☒ 4. 8.42

Q.15 Find the effective discount for the scheme – Buy 12, get 8 free.

- Ans
- ☐ 1. 10%
 - ☐ 2. 21%
 - ☒ 3. 40%
 - ☐ 4. 20%



Q.16 Pipe P can fill $\frac{3}{8}$ part of a tank in 30 hours, and pipe Q can fill $\frac{4}{5}$ part of the same tank in 16 hours.
Both P and Q were kept open for 4 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans**
- ☐ 1. 35 hours
 - ☐ 2. 40 hours
 - ☐ 3. 21 hours
 - ☒ 4. 32 hours

Q.17 If 4 times a son's age is added to his father's age, the sum is 46 years. If 2.8 times the father's age is added to the son's age, the sum is 88 years. What is the father's age (in years)?

- Ans**
- ☐ 1. 35
 - ☐ 2. 25
 - ☐ 3. 28
 - ☒ 4. 30

Q.18 If the radius of the base of a right circular cylinder is decreased by 46% and its height is increased by 261%, then what is the percentage increase (closest integer) in its volume?

- Ans**
- ☒ 1. 5%
 - ☐ 2. 35%
 - ☐ 3. 17%
 - ☐ 4. 19%

Q.19 Vijay got an increase of 4% in his sales amount in the first year and 25% in the second year; also with this, his current sales are ₹1,50,800, what was his sales (in ₹) two years ago?

- Ans**
- ☐ 1. ₹1,20,640
 - ☐ 2. ₹96,000
 - ☒ 3. ₹1,16,000
 - ☐ 4. ₹1,45,000

Q.20 The marks scored by 10 students are given below.
20, 16, 16, 19, 16, 12, 19, 10, 14, 18
The mode of the given data is:

- Ans**
- ☐ 1. 19
 - ☐ 2. 12
 - ☒ 3. 16
 - ☐ 4. 20

Q.21 A store offers a discount of 14% on a television marked at ₹78,000. During a sale, an additional 8% discount is offered on the already discounted price. What is the total discount percentage?

- Ans**
- ☐ 1. 18.23%
 - ☒ 2. 20.88%
 - ☐ 3. 22.48%
 - ☐ 4. 21.62%

Q.22 If the sum of the measures of all the interior angles of a regular polygon is 2520° , then what is the exterior angle of the polygon?

- Ans**
- ☐ 1. 42.5°
 - ☒ 2. 22.5°
 - ☐ 3. 37.5°
 - ☐ 4. 90°



Q.23 An amount of ₹570 is divided among three persons in the ratio of 2 : 12 : 11. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans**
- ☐ 1. 166
 - ☒ 2. 228
 - ☐ 3. 293
 - ☐ 4. 284

Q.24 Find the surface area of a sphere with a radius of 5 cm.

(Use $\pi = 3.14$)

- Ans**
- ☐ 1. 628 cm^2
 - ☐ 2. 3140 cm^2
 - ☐ 3. 31.4 cm^2
 - ☒ 4. 314 cm^2

Q.25 A sum of money triples itself at a certain rate of compound interest in 15 years. In how many years will it amount to 27 times of itself?

- Ans**
- ☐ 1. 39 years
 - ☒ 2. 45 years
 - ☐ 3. 55 years
 - ☐ 4. 36 years

Q.26 An article is sold at a profit of 57%. If the cost price is increased by ₹20 and the selling price is reduced by ₹18, then the profit would be 47.5%. What is the original cost price (in ₹) of the article?

- Ans**
- ☐ 1. 200
 - ☒ 2. 500
 - ☐ 3. 300
 - ☐ 4. 400

Q.27 A number, when increased by 60%, gives 3610. The number is:

- Ans**
- ☒ 1. 2256.25
 - ☐ 2. 4512.5
 - ☐ 3. 1128.125
 - ☐ 4. 6768.75

Q.28 88 tube lights were purchased for ₹88, and 46 tube lights broke in transit. The trader sold the remaining tube lights at ₹3.10 each. Find his profit.

- Ans**
- ☐ 1. ₹47.10
 - ☐ 2. ₹48.20
 - ☒ 3. ₹42.20
 - ☐ 4. ₹36.60

Q.29 Simplify the following.

$$2\left(\left(\frac{3}{2}\right)x^2 - 20x + 17\right) - 3(x^2 + 7x - 15)$$

- Ans**
- ☐ 1. $61x + 79$
 - ☐ 2. $61x - 79$
 - ☒ 3. $-61x + 79$
 - ☐ 4. $-61x - 79$



Q.30 Which of the following numbers divides 393064111?

- Ans ☒ 1. 11
- ☐ 2. 14
- ☐ 3. 15
- ☐ 4. 10

Section : General Intelligence and Reasoning

Q.1 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All bricks are spoons. No brick is a game.

Conclusions (I): Some games are spoons.

Conclusions (II): All spoons are games.

- Ans ☐ 1. Only conclusion (II) follows.
- ☐ 2. Both conclusions (I) and (II) follow.
- ☒ 3. Neither conclusion (I) nor (II) follows.
- ☐ 4. Only conclusion (I) follows.

Q.2 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some orchids are cacti.

No cactus is a marigold.

Conclusions:

(I) No marigold is a cactus.

(II) Some cacti are orchids.

- Ans ☐ 1. Only conclusion (II) follows.
- ☐ 2. Neither conclusion (I) nor (II) follows.
- ☐ 3. Only conclusion (I) follows.
- ☒ 4. Both conclusions (I) and (II) follow.

Q.3 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then the resultant of which of the following would be 9?

- Ans ☐ 1. 41 C 13 B 3 A 35 D 5
- ☐ 2. 41 B 13 C 3 D 35 A 5
- ☒ 3. 41 D 13 B 3 C 35 A 5
- ☐ 4. 41 A 13 C 3 B 35 D 5

Q.4 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order.

Only two boxes are kept below B. Only one box is kept above F. Only one box is kept between F and D. A is kept immediately above G. C is kept at some place below E. Which box is kept at the top?

- Ans ☐ 1. C
- ☒ 2. E
- ☐ 3. G
- ☐ 4. A



Q.5 H, I, J, P, Q, R and S are sitting around a circular table facing the centre of the table. Q sits to the immediate right of J. Only three people sit between Q and S when counted from the left of Q. Only three people sit between J and H. P sits to the immediate right of R.
How many people sit between J and R when counted from the right of R?

- Ans**
- ☒ 1. One
 - ☐ 2. Two
 - ☐ 3. Three
 - ☐ 4. Four

Q.6 Each of the digits in the number 9823415 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ 1. 10
 - ☐ 2. 11
 - ☐ 3. 9
 - ☐ 4. 8

Q.7 In a certain code language, 'GETS' is coded as '8106' and 'EGIS' is coded as '0167'. What is the code for 'I' in the given code language?

- Ans**
- ☐ 1. 1
 - ☒ 2. 7
 - ☐ 3. 0
 - ☐ 4. 6

Q.8 In a certain code language,
'A # B' means 'A is the brother of B',
'A % B' means 'A is the daughter of B',
'A = B' means 'A is the wife of B' and
'A ¥ B' means 'A is the father of B'.

How is D related to S if 'D = O # M ¥ E % S'?

- Ans**
- ☐ 1. Father's brother's son
 - ☐ 2. Father's brother's sister
 - ☒ 3. Husband's brother's wife
 - ☐ 4. Father's brother's daughter

Q.9 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SET DQE OCP ZOA ?

- Ans**
- ☐ 1. KLA
 - ☒ 2. KAL
 - ☐ 3. LKA
 - ☐ 4. LAK

Q.10 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

LOPE - LEPO - EPOL
QUIT - QTIU - TIUQ

- Ans**
- ☒ 1. BANG - BGNA - GNAB
 - ☐ 2. SLOP - SLPO - LOPS
 - ☐ 3. FILE - IFLE - EILF
 - ☐ 4. WAST - WSAT - TSAW



Q.11 What should come in place of the question mark (?) in the given series?

9 19 39 69 109 ?

- Ans**
- ☐ 1. 150
 - ☐ 2. 160
 - ☐ 3. 155
 - ☒ 4. 159

Q.12 Based on the English alphabetical order, three of the following four letter clusters are alike in a certain way and thus form a group. Which letter cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. GLH
 - ☐ 2. EJJ
 - ☐ 3. NSO
 - ☒ 4. LQN

Q.13 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 4268953, then how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. One
 - ☐ 2. None
 - ☐ 3. Three
 - ☒ 4. Two

Q.14 What should come in place of the question mark (?) in the given series?

11, 33, 55, 77, ?, 121.

- Ans**
- ☐ 1. 109
 - ☐ 2. 101
 - ☐ 3. 111
 - ☒ 4. 99

Q.15 Sunil starts from Point A and travels 8 km towards north, turns left and travels 6 km, and then turns right and covers another 7 km. He then turns right and travels another 6 km. How far (shortest distance) is he from Point A? (All turns are 90-degree turns only.)

- Ans**
- ☐ 1. 4 km
 - ☐ 2. 5 km
 - ☐ 3. 10 km
 - ☒ 4. 15 km

Q.16 Ramu ran 60 km towards the west, turned left and ran 15 km. He then turned left and ran 40 km. In which direction is Ramu facing at the end? (All turns are 90 degrees unless specified)

- Ans**
- ☒ 1. East
 - ☐ 2. North
 - ☐ 3. South
 - ☐ 4. West



Q.17 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✓ 1. GE-BC
 - ✗ 2. TR-PN
 - ✗ 3. RP-NL
 - ✗ 4. WU-SQ

Q.18 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Note: All numbers are single digit numbers only).

(Left) & 8 5 @ 1 £ 3 % 6 2 Ω # * 4 7 + \$ 9 (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the right?

- Ans**
- ✗ 1. 0
 - ✗ 2. 2
 - ✓ 3. 1
 - ✗ 4. 3

Q.19 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit numbers. Counting to be done from left to right only.

(Left) 9 # % 2 ^ @ 3 & 1 \$ 5 Ω 7 % # 6 * £ 5 (Right)

If all the symbols are dropped from the series, which of the following will be fifth from the right?

- Ans**
- ✗ 1. 5
 - ✓ 2. 1
 - ✗ 3. 3
 - ✗ 4. 7

Q.20 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

INQ23 JOR32 KPS41 LQT50 ?

- Ans**
- ✗ 1. MRU58
 - ✗ 2. MRV59
 - ✓ 3. MRU59
 - ✗ 4. MRV58

Q.21 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

HO-JQ-MP
KR-MT-PS

- Ans**
- ✗ 1. NU-PW-RV
 - ✗ 2. MU-PW-RV
 - ✗ 3. MU-OW-SV
 - ✓ 4. NU-PW-SV



Q.22 What should come in place of the question mark (?) in the given series?

162 ? 42 22 12 7

- Ans**
- ☒ 1. 82
 - ☐ 2. 78
 - ☐ 3. 76
 - ☐ 4. 74

Q.23 In a row of 59 people facing the north, Bela sits 20th from the left end. If Ajeet sits 16th to the right of Bela, what is Ajeet's position from the right end of the line?

- Ans**
- ☐ 1. 26th
 - ☐ 2. 21st
 - ☐ 3. 22nd
 - ☒ 4. 24th

Q.24 In a certain code language, 'she has guts' is coded as 'bs kr ni' and 'packet has gone' is coded as 'ud ni gy'. How is 'has' coded in the given language?

- Ans**
- ☐ 1. bs
 - ☒ 2. ni
 - ☐ 3. kr
 - ☐ 4. ud

Q.25 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged, and '-' and '×' are interchanged?

$11 - 2 \times 48 + 6 \div 15 = ?$

- Ans**
- ☐ 1. 10
 - ☐ 2. 22
 - ☐ 3. 16
 - ☒ 4. 29

Q.26 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

JUNE - UJNE - EUJN
LAPS - ALPS - SALP

- Ans**
- ☐ 1. BUGS - UBGs - SUGB
 - ☒ 2. FROG - RFOG - GRFO
 - ☐ 3. LOST - OLST - OSTL
 - ☐ 4. MOVE - MVOE - EVOM

Q.27 Kunal ranked 29th from the top and 15th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 40
 - ☐ 2. 44
 - ☒ 3. 43
 - ☐ 4. 41

Q.28 L, M, N, O, Q, R and S are sitting around a circular table, facing the centre of the table. Q sits to the immediate right of N. Only three people sit between Q and S when counted from the left of Q. Only three people sit between N and M. L sits to the immediate right of R. How many people sit between O and R when counted from the left of R?

- Ans**
- ☐ 1. Three
 - ☐ 2. One
 - ☒ 3. Two
 - ☐ 4. Four



Q.29 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(26, 96, 22)

(46, 108, 8)

Ans

 1. (7, 15, 1)

 2. (1, 39, 19)

 3. (30, 63, 2)

 4. (24, 84, 18)

Q.30 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)

Ans

 1. CE-FH

 2. SU-VX

 3. KM-NO

 4. AC-DF





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	29/08/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following pairs of Union Territories were merged to form a single Indian Union Territory in 2020?

- Ans**
- ☒ 1. Dadra and Nagar Haveli and Daman and Diu
 - ☐ 2. Andaman and Nicobar and Lakshadweep
 - ☐ 3. Chandigarh and Puducherry
 - ☐ 4. Jammu and Kashmir and Ladakh

Q.2 The government has made efforts to boost financial inclusion. Which 2014 scheme aimed to provide universal banking access in India?

- Ans**
- ☐ 1. JAM Trinity
 - ☐ 2. PMAY
 - ☐ 3. MUDRA Yojana
 - ☒ 4. Jan Dhan Yojana

Q.3 The 13th edition of the joint military exercise 'Ekuverin' 2025 was conducted in which country?

- Ans**
- ☐ 1. India
 - ☐ 2. Cambodia
 - ☒ 3. Maldives
 - ☐ 4. Thailand

Q.4 Which initiative is associated with the construction of individual household toilets in India?

- Ans**
- ☒ 1. Swachh Bharat Abhiyan
 - ☐ 2. AMRUT
 - ☐ 3. Jal Jeevan Mission
 - ☐ 4. Smart Cities Mission

Q.5 The Mauryan empire was founded by Chandragupta Maurya in which of the following years?

- Ans**
- ☐ 1. 350 BCE
 - ☐ 2. 375 BCE
 - ☐ 3. 300 BCE
 - ☒ 4. 322 BCE



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Q.6 In which of the following years did the Government of India disinvest 51% of shares of Bharat Aluminium Company Limited (BALCO) to Sterlite Industries (India) Limited, now Vedanta Limited?

- Ans**
- ☐ 1. 1997
 - ☐ 2. 2008
 - ☒ 3. 2001
 - ☐ 4. 2004

Q.7 At the 2025 British Book Awards gala in central London, who received the Freedom to Publish award?

- Ans**
- ☐ 1. JK Rowling
 - ☒ 2. Margaret Atwood
 - ☐ 3. Salman Rushdie
 - ☐ 4. Hilary Mante

Q.8 Which Indian astronaut participated in the Axiom Mission-4 to the ISS in 2025 to conduct space agriculture experiments?

- Ans**
- ☐ 1. Sunita Williams
 - ☐ 2. Kalpana Chawla
 - ☐ 3. Rakesh Sharma
 - ☒ 4. Shubhanshu Shukla

Q.9 Which hazardous pesticide was agreed to be eliminated under the Stockholm Convention held in Geneva in 2025?

- Ans**
- ☐ 1. Glyphosate
 - ☒ 2. Chlorpyrifos
 - ☐ 3. DDT
 - ☐ 4. Atrazine

Q.10 As of May 2025, what is the total number of Higher Education Institutions (HEIs) in India?

- Ans**
- ☒ 1. 70,683
 - ☐ 2. 60,000
 - ☐ 3. 72,000
 - ☐ 4. 65,300

Q.11 Which of the following Indian states is bordered by both the Bay of Bengal and the Eastern Ghats?

- Ans**
- ☒ 1. Odisha
 - ☐ 2. Punjab
 - ☐ 3. Gujarat
 - ☐ 4. Karnataka

Q.12 According to the National Forest Policy 1988, how much percentage of the total area of the country should be under forest in order to maintain ecological balance?

- Ans**
- ☐ 1. 25%
 - ☒ 2. 33%
 - ☐ 3. 20%
 - ☐ 4. 28%



Q.13 Under which Article of the Indian Constitution is citizenship at the commencement of the Constitution defined?

- Ans**
- ☐ 1. Article 6
 - ☐ 2. Article 10
 - ☐ 3. Article 11
 - ☒ 4. Article 5

Q.14 How can you resize a window using its corners or borders in Windows?

- Ans**
- ☐ 1. Click the middle of the window and press Ctrl.
 - ☐ 2. Press Alt + Enter to auto-resize the window.
 - ☐ 3. Drag the title bar to change the size.
 - ☒ 4. Place the mouse pointer over a border or corner until it turns into a double-headed arrow, then drag.

Q.15 Which of the following joint military exercises between India and Mongolia commenced its 17th edition in Ulaanbaatar on 31 May 2025?

- Ans**
- ☐ 1. Yudh Abhyas
 - ☐ 2. Vajra Prahar
 - ☐ 3. Garuda Shakti
 - ☒ 4. Nomadic Elephant

Q.16 Who was the Chairman and Chief Executive Officer (CEO) of the Railway Board as on 1st May 2025?

- Ans**
- ☐ 1. Naveen Gulati
 - ☒ 2. Satish Kumar
 - ☐ 3. Hitendra Malhotra
 - ☐ 4. Braj Mohan Agrawal

Q.17 In the Gupta period, the term Udranga referred to _____.

- Ans**
- ☐ 1. tax on trade goods
 - ☐ 2. toll tax on rivers
 - ☒ 3. land tax
 - ☐ 4. royal donation to temples

Q.18 What was India's total non-fossil fuel installed capacity as of November 2024, as per the Ministry of New and Renewable Energy?

- Ans**
- ☐ 1. 223.70 GW
 - ☐ 2. 263.70 GW
 - ☐ 3. 243.70 GW
 - ☒ 4. 213.70 GW

Q.19 Who has developed the technology enabling India to shoot down fixed-wing drones using a laser beam?

- Ans**
- ☐ 1. Armed Forces Tribunal, Delhi
 - ☐ 2. Armed Forces Medical College (AFMC)
 - ☐ 3. Aeronautical Development Agency
 - ☒ 4. Defence Research Development Organisation

Q.20 Which of the following is the correct sequence to create a new file in WordPad on a Windows computer?

- Ans**
- ☐ 1. File → Open → New Document
 - ☒ 2. File → New
 - ☐ 3. Home → New File
 - ☐ 4. Insert → New File



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Q.21 The hot weather season in India is generally observed from:

- Ans**
- ☐ 1. October to November
 - ☒ 2. March to May
 - ☐ 3. December to February
 - ☐ 4. June to September

Q.22 What is the relation between the speed of sound (v), its wavelength (λ) and time period (T)?

- Ans**
- ☐ 1. $v = \lambda \times T$
 - ☒ 2. $v = \lambda / T$
 - ☐ 3. $v = \lambda + T$
 - ☐ 4. $v = T / \lambda$

Q.23 Which classical Sanskrit play was written by Kalidasa?

- Ans**
- ☐ 1. Mudrarakshasa
 - ☐ 2. Svapnavasavadattam
 - ☒ 3. Abhijnana-Shakuntalam
 - ☐ 4. Mrichchhakatika

Q.24 Which city hosted the International Air Transport Association (IATA) Annual General Meeting and World Air Transport Summit in June 2025?

- Ans**
- ☐ 1. Hyderabad
 - ☐ 2. Bengaluru
 - ☒ 3. New Delhi
 - ☐ 4. Mumbai

Q.25 Which organisation was established in 1817 to promote Western education among Indians?

- Ans**
- ☒ 1. Hindoo College
 - ☐ 2. Aligarh Movement
 - ☐ 3. Arya Samaj
 - ☐ 4. Brahmo Samaj

Q.26 Tourism in India contributes to which type of economic activity?

- Ans**
- ☐ 1. Secondary
 - ☒ 2. Tertiary
 - ☐ 3. Quinary
 - ☐ 4. Primary

Q.27 He was a militant nationalist who believed that the only way to India's freedom is through mass protests, especially by the youth. For this purpose, he began celebrating local festivals like Ganesh Chaturthi and Shivaji Jayanti on a grand scale, urging the youth to join in. He was also the editor of 'Kesari', a Marathi newspaper, which became one of the strongest critics of British rule. The leader in question is:

- Ans**
- ☒ 1. Bal Gangadhar Tilak
 - ☐ 2. Bipin Chandra Pal
 - ☐ 3. Lala Lajpat Rai
 - ☐ 4. Gopal Krishna Gokhale



Q.28 Diabetes mellitus is caused by the inadequate secretion of which hormone?

- Ans**
- ☐ 1. Estrogen
 - ☒ 2. Insulin
 - ☐ 3. Adrenaline
 - ☐ 4. Thyroxine

Q.29 The earliest documented evidence of puppetry in India is in which of the following languages?

- Ans**
- ☐ 1. Bengali
 - ☐ 2. Sanskrit
 - ☐ 3. Gujarati
 - ☒ 4. Tamil

Q.30 The Right to Constitutional Remedies, allowing individuals to move the Supreme Court directly for the enforcement of rights, is given under:

- Ans**
- ☐ 1. Article 31
 - ☒ 2. Article 32
 - ☐ 3. Article 30
 - ☐ 4. Article 33

Q.31 Raja Ram Mohan Roy was an active social reformer who spoke greatly for the problems faced by women. He was an inseparable agent who brought down the social evil of 'sati'. The reform association founded by him was:

- Ans**
- ☐ 1. Arya Samaj
 - ☐ 2. Prarthana Samaj
 - ☒ 3. Brahmo Samaj
 - ☐ 4. Ramakrishna Mission

Q.32 The 'Handball at School' initiative launched in 2025 to promote handball at the grassroots level in India is a collaboration between which organisations?

- Ans**
- ☒ 1. International Handball Federation and Asian Handball Federation
 - ☐ 2. Ministry of Youth Affairs and Sports and National Handball Federation
 - ☐ 3. All India School Sports Federation and Handball Association of India
 - ☐ 4. Indian Olympic Association and Sports Authority of India

Q.33 Which of the following pairs of Indian states share international borders with Bangladesh?

- Ans**
- ☐ 1. Manipur and Assam
 - ☐ 2. Sikkim and Manipur
 - ☒ 3. West Bengal and Tripura
 - ☐ 4. Nagaland and Punjab

Q.34 Public Interest Litigation (PIL) in India is primarily associated with which of the following?

- Ans**
- ☐ 1. Police investigations
 - ☒ 2. Judicial activism
 - ☐ 3. Election Commission
 - ☐ 4. Judicial review



Q.35 Centralised planning influenced India's industrial strategy for decades. Under which five-year plan were small-scale industries given specific protection and incentives?

- Ans**
- ☐ 1. Fifth Plan
 - ☐ 2. Fourth Plan
 - ☒ 3. Second Plan
 - ☐ 4. Third Plan

Q.36 What was the significant change in funding norms for National Sports Federations (NSFs) announced by the Indian government in 2025?

- Ans**
- ☒ 1. Allocation of at least 20% of their annual budget toward junior and youth development programmes
 - ☐ 2. Elimination of funding for foreign coaches in order to promote Indian coaches and youth development programmes
 - ☐ 3. Decrease in coach salaries
 - ☐ 4. Reduction in financial assistance for training athletes

Q.37 What is the name of the glycoprotein produced in the liver that plays a crucial role in blood clotting?

- Ans**
- ☒ 1. Fibrinogen
 - ☐ 2. Cadherin
 - ☐ 3. Mucins
 - ☐ 4. Selectin

Q.38 The foundation day anniversaries of which two Indian states was celebrated on 20 February 2025?

- Ans**
- ☐ 1. Meghalaya and Tripura
 - ☐ 2. Nagaland and Sikkim
 - ☒ 3. Arunachal Pradesh and Mizoram
 - ☐ 4. Assam and Manipur

Q.39 How is a long and healthy life measured in HDI?

- Ans**
- ☐ 1. Number of doctors
 - ☐ 2. Access to hospitals
 - ☒ 3. Life expectancy at birth
 - ☐ 4. Health insurance coverage

Q.40 As per the Press Information Bureau release dated March 10, 2025, what is a major feature of the Bills of Lading Bill, 2025?

- Ans**
- ☐ 1. Fixing freight rates for maritime shipments
 - ☐ 2. Replacing paper bills with biometric authentication
 - ☒ 3. Modernising India's maritime laws by replacing the old law
 - ☐ 4. Mandating insurance for all cargo vessels

Section : Mathematics



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Q.1

The value of $\frac{3}{4} + \left(\frac{1}{1 + \frac{5}{6}} \right) - \frac{3}{5}$ is

Ans

- ☐ 1. $\frac{145}{229}$
☒ 2. $\frac{153}{220}$
☐ 3. $\frac{146}{225}$
☐ 4. $\frac{162}{227}$

Q.2

The simple interest on a certain sum for $3\frac{5}{9}$ years at the rate of 2.7% per annum is ₹2,808.

What will be the amount payable on the same sum at the rate of 9.2% per annum simple interest in $5\frac{2}{3}$ years?

Ans

- ☒ 1. ₹44,499
☐ 2. ₹44,482
☐ 3. ₹44,514
☐ 4. ₹44,489

Q.3

Find the volume (in cm^3) of a sphere having a diameter of 16.8 cm, giving your answer correct to two decimal places.

Take $\Pi = \frac{22}{7}$.

Ans

- ☐ 1. 2493.71
☐ 2. 2503.71
☐ 3. 2473.71
☒ 4. 2483.71

Q.4

The marks scored by 10 students are given below.

12, 13, 14, 11, 16, 11, 12, 17, 15, 12

The mode of the data is:

Ans

- ☐ 1. 14
☐ 2. 13
☒ 3. 12
☐ 4. 11

Q.5

The value of $\sqrt{400} + \sqrt{0.0289} - \sqrt{7.84} =$

Ans

- ☐ 1. 16.15
☒ 2. 17.37
☐ 3. 15.86
☐ 4. 12.83

Q.6

Simplify: $3 \left(\left(\frac{6}{3} \right) x^2 - 29x + 14 \right) - 6(x^2 + 5x - 13)$

Ans

- ☐ 1. $117x + 120$
☐ 2. $117x - 120$
☐ 3. $-117x - 120$
☒ 4. $-117x + 120$



Q.7 If the sum of the interior angles of a regular polygon is equal to four times the sum of its exterior angles, then what is the number of diagonals in the polygon?

- Ans**
- ☐ 1. 31
 - ☐ 2. 33
 - ☒ 3. 35
 - ☐ 4. 28

Q.8 The selling price of 50 books is equal to the cost price of 15 books. Find the loss or gain percentage on these books.

- Ans**
- ☐ 1. $\frac{100}{35}\%$ gain
 - ☒ 2. 70% loss
 - ☐ 3. $\frac{100}{35}\%$ loss
 - ☐ 4. 70% gain

Q.9 Find the mean proportional of 81 and 36.

- Ans**
- ☐ 1. 56
 - ☐ 2. 52
 - ☒ 3. 54
 - ☐ 4. 53

Q.10 By how much is 65% of 75 greater than $\frac{3}{5}$ of 35?

- Ans**
- ☒ 1. 27.75
 - ☐ 2. 25.75
 - ☐ 3. 21.75
 - ☐ 4. 24.75

Q.11 The population of a district is 360000, out of which 231000 are males. 66% of the population is literate. If 66% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 67%
 - ☒ 2. 66%
 - ☐ 3. 63%
 - ☐ 4. 64%

Q.12 By selling 6 lemons for a rupee, a man loses 30%. To gain 5% how many must he sell for a rupee?

- Ans**
- ☐ 1. 5
 - ☒ 2. 4
 - ☐ 3. 6
 - ☐ 4. 3

Q.13 Which of the following numbers divides 5,63,607?

- Ans**
- ☐ 1. 8
 - ☐ 2. 10
 - ☒ 3. 3
 - ☐ 4. 13



Q.14 Evaluate: $(-9) - (-60) \div (-10) + (-4) \times 8$

- Ans
- ☐ 1. -49
 - ☐ 2. -50
 - ☐ 3. -46
 - ☒ 4. -47

Q.15 If one trouser is offered free on the purchase of three trousers, what is the effective discount percentage?

- Ans
- ☐ 1. 15%
 - ☐ 2. 20%
 - ☐ 3. 30%
 - ☒ 4. 25%

Q.16 Sapna invested ₹20,300 on simple interest, partly at the rate of 5% per annum and partly at the rate of 9% per annum. If she earns equal interests from the two investments after 7 years, then find the sum invested at the rate of 5% per annum (in ₹).

- Ans
- ☐ 1. 13,052
 - ☒ 2. 13,050
 - ☐ 3. 13,051
 - ☐ 4. 13,049

Q.17 3 years ago, the age of a father was 40 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans
- ☒ 1. 37
 - ☐ 2. 32
 - ☐ 3. 33
 - ☐ 4. 38

Q.18 A bus travelling at 84 km/hr completes a journey in 6 hours. What should be its speed to cover the same distance in 12 hours?

- Ans
- ☐ 1. 44 km/hr
 - ☒ 2. 42 km/hr
 - ☐ 3. 32 km/hr
 - ☐ 4. 46 km/hr

Q.19 Pankaj, Juhi and Siddharth invested ₹1,020, ₹1,740 and ₹1,840, respectively to start a business. If the profit at the end of the year is ₹1,050, what is Siddharth's share of the profit?

- Ans
- ☐ 1. ₹423
 - ☐ 2. ₹418
 - ☒ 3. ₹420
 - ☐ 4. ₹422

Q.20 Simplify: $\sec^2\phi \cot^2\phi - \frac{1}{\tan^2\phi} + 2\left(\frac{1}{\operatorname{cosec}^2\phi} + \frac{1}{\sec^2\phi}\right)$

- Ans
- ☐ 1. 1
 - ☒ 2. 3
 - ☐ 3. 0
 - ☐ 4. 2



Q.21 The average runs scored by a batsman in 23 matches is 44. In the next 10 matches, the batsman scored an average of 13 runs. Find his average (rounded off to two decimals) in all the 33 matches?

- Ans**
- ☐ 1. 35.61
 - ☒ 2. 34.61
 - ☐ 3. 33.61
 - ☐ 4. 36.61

Q.22 Find the H.C.F. and L.C.M. of 0.48, 1.20 and 1.68.

- Ans**
- ☐ 1. H.C.F. = 0.24; L.C.M. = 4.80
 - ☐ 2. H.C.F. = 0.12; L.C.M. = 2.40
 - ☐ 3. H.C.F. = 0.12; L.C.M. = 1.68
 - ☒ 4. H.C.F. = 0.24; L.C.M. = 16.8

Q.23 M and N start a business. M invests ₹33,000 more than N for 2 months and N invests for 7 months. M's share is ₹605 more than that of N, out of a total profit of ₹1,815. Find the capital contributed by M.

- Ans**
- ☒ 1. ₹38,500
 - ☐ 2. ₹38,339
 - ☐ 3. ₹38,697
 - ☐ 4. ₹38,300

Q.24 A can lay railway track between two given stations in 20 days and B can do the same job in 15 days. With the help of C, they did the job in 3 days only. Then, C alone can do the job in

- Ans**
- ☐ 1. $1\frac{8}{13}$ days
 - ☐ 2. $11\frac{8}{13}$ days
 - ☒ 3. $4\frac{8}{13}$ days
 - ☐ 4. $10\frac{8}{13}$ days

Q.25 A mobile phone is marked at ₹30,000. Successive discounts of 20% and 10% are applied. What is the final selling price?

- Ans**
- ☐ 1. ₹24,000
 - ☐ 2. ₹22,600
 - ☒ 3. ₹21,600
 - ☐ 4. ₹24,600

Q.26 Train A leaves station M at 6:40 AM and reaches station N at 3:40 PM on the same day. Train B leaves station N at 8:40 AM and reaches station M at 2:40 PM on the same day. Find the time when trains A and B meet.

- Ans**
- ☒ 1. 11:28 AM
 - ☐ 2. 1:28 PM
 - ☐ 3. 11:58 AM
 - ☐ 4. 12:28 PM



Q.27 The ratio between the perimeter and the length of a rectangle is 3 : 1. If the area of the rectangle is 180.5 cm^2 , then what is the breadth of the rectangle?

- Ans**
- ☐ 1. 38 cm
 - ☐ 2. 21 cm
 - ☐ 3. 19 cm
 - ☒ 4. 9.5 cm

Q.28 The product of two consecutive positive natural numbers is 462. The greater of the two numbers is:

- Ans**
- ☒ 1. 22
 - ☐ 2. 24
 - ☐ 3. 23
 - ☐ 4. 21

Q.29 8 men can complete a piece of work in 5 days, while 8 women can do it in 15 days. In how many days can 3 women and 4 men complete this work?

- Ans**
- ☐ 1. 5 days
 - ☒ 2. 8 days
 - ☐ 3. 7 days
 - ☐ 4. 9 days

Q.30 The H.C.F. and the L.C.M. of two numbers are 4 and 3360 respectively. If one of the numbers is 96, find the other one.

- Ans**
- ☐ 1. 92
 - ☐ 2. 116
 - ☐ 3. 164
 - ☒ 4. 140

Section : General Intelligence and Reasoning

Q.1 What should come in place of the question mark (?) in the given series?

9 11 19 61 239 ?

- Ans**
- ☒ 1. 1201
 - ☐ 2. 1120
 - ☐ 3. 1102
 - ☐ 4. 1021

Q.2 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LEB QJG VOL ATQ ?

- Ans**
- ☒ 1. FYV
 - ☐ 2. FVY
 - ☐ 3. FYU
 - ☐ 4. FRT



Q.3 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All geysers are fans. No fan is a bulb.

Conclusions (I): No geyser is a bulb.

Conclusions (II): Some fans are geysers.

- Ans**
- ☐ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Only conclusion (I) follows.
 - ☐ 3. Only conclusion (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.4 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

48 A 3 C 21 D 8 B 3 = ?

- Ans**
- ☐ 1. 2
 - ☒ 2. 13
 - ☐ 3. 6
 - ☐ 4. 10

Q.5 What should come in place of the question mark (?) in the given series?
38 41 47 59 83 ?

- Ans**
- ☒ 1. 131
 - ☐ 2. 121
 - ☐ 3. 132
 - ☐ 4. 145

Q.6 In a certain code language,
A \$ B means 'A is the mother of B',
A + B means 'A is the brother of B',
A @ B means 'A is the wife of B',
and A ÷ B means 'A is the father of B'.

How is E related to N if 'E \$ F @ G ÷ M + N'?

- Ans**
- ☐ 1. Mother
 - ☐ 2. Mother's sister
 - ☒ 3. Mother's mother
 - ☐ 4. Sister

Q.7 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. ES - AN
 - ☐ 2. NB - KW
 - ☐ 3. WI - TD
 - ☐ 4. KX - HS

Q.8 EGLU is related to CDJR in a certain way based on the English alphabetical order. In the same way, WUDI is related to URBK. To which of the given options is QXZ related, following the same logic?

- Ans**
- ☐ 1. OVIT
 - ☒ 2. OIVW
 - ☐ 3. YOBH
 - ☐ 4. OWVI



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Q.9 Salman ranked 24th from the top and 11th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 33
 - ☒ 2. 34
 - ☒ 3. 31
 - ☒ 4. 32

Q.10 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

O50P R51S U54V X59Y ?

- Ans**
- ☒ 1. A65B
 - ☒ 2. Z65B
 - ☒ 3. Z66A
 - ☒ 4. A66B

Q.11 This question is based on the five, three-digit numbers given below.

(Left) 415 672 456 782 324 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the lowest number is added to the second digit of the highest number?

- Ans**
- ☒ 1. 10
 - ☒ 2. 12
 - ☒ 3. 11
 - ☒ 4. 13

Q.12 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. IDH
 - ☒ 2. SNQ
 - ☒ 3. MHK
 - ☒ 4. PKN

Q.13 Each of the digits in the number 9123547 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ 1. 9
 - ☒ 2. 6
 - ☒ 3. 7
 - ☒ 4. 8

Q.14 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) 9 8 5 @ 8 σ 9 π % 2 8 # 1 2 \$ * 8 1 π 5 (Right)

How many such even numbers are there, which are immediately preceded by a symbol and also immediately followed by an even number?

- Ans**
- ☒ 1. Four
 - ☒ 2. One
 - ☒ 3. Two
 - ☒ 4. None



Q.15 In a certain code language, 'TASK' is coded as '4628' and 'KIND' is coded as '1385'. What is the code for 'K' in the given code language?

- Ans**
- ☒ 1. 3
 - ☒ 2. 8
 - ☒ 3. 2
 - ☒ 4. 1

Q.16 What should come in place of the question mark (?) in the given series?
58, 64, 70, 76, 82, ?

- Ans**
- ☒ 1. 88
 - ☒ 2. 85
 - ☒ 3. 79
 - ☒ 4. 78

Q.17 Seven people, I, J, K, L, P, Q and R, are sitting in a row, facing north. Only three people sit between P and J. R sits to the immediate left of J. No one sits to the right of I. Only two people sit between I and R. Q sits to the immediate right of L. How many people sit between K and Q?

- Ans**
- ☒ 1. Two
 - ☒ 2. Three
 - ☒ 3. Four
 - ☒ 4. One

Q.18 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. LGK
 - ☒ 2. HCF
 - ☒ 3. PKO
 - ☒ 4. UPT

Q.19 Seven boxes A, B, C, D, E, F, and G are kept one over the other but not necessarily in the same order.
Only three boxes are kept below F. Only two boxes are kept between F and G. Only B is kept above D. A is kept at some place below E and at some place above C.
How many boxes are kept above E?

- Ans**
- ☒ 1. Three
 - ☒ 2. One
 - ☒ 3. Two
 - ☒ 4. Four

Q.20 Shivani starts from point X and drives 11 km towards the east. She then takes a left turn, drives 5 km, turns right and drives 5 km. She then takes a right turn and drives 2 km. She then takes a right turn, drives 7 km. She then takes a left turn and drives 10 km. She then takes a final right turn and drives 9 km and stops at point Z. How far (shortest distance) and towards which direction should she drive in order to reach point X again? (All turns are 90 degrees unless specified)

- Ans**
- ☒ 1. 5 km south
 - ☒ 2. 10 km north
 - ☒ 3. 7 km north
 - ☒ 4. 7 km south



Q.21 L, M, N, O, Q, R, and S are sitting around a circular table facing the centre of the table. Only four people sit between Q and M when counted from the right of Q. Q sits third to the left of O. L sits third to the left of R. S is an immediate neighbor of both M and O. How many people sit between N and S when counted from the right of N?

- Ans**
- ☐ 1. Three
 - ☐ 2. Four
 - ☐ 3. One
 - ☒ 4. Two

Q.22 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pencils are copies.
Some copies are erasers.

Conclusions

(I): Some pencils are erasers.

(II): Some erasers are copies.

- Ans**
- ☐ 1. Both conclusions (I) and (II) follow.
 - ☐ 2. Only conclusion (I) follows.
 - ☐ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Only conclusion (II) follows.

Q.23 DWQR is related to VOIJ in a certain way based on the English alphabetical order. In the same way, XQKL is related to PICD. To which of the given options is ZSMN related, following the same logic?

- Ans**
- ☐ 1. REKF
 - ☒ 2. RKEF
 - ☐ 3. RFKI
 - ☐ 4. RIKF

Q.24 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(11, 110, 11)

(8, 59, 5)

- Ans**
- ☐ 1. (17, 284, 4)
 - ☐ 2. (47, 2187, 21)
 - ☐ 3. (12, 130, 13)
 - ☒ 4. (17, 270, 19)

Q.25 AXUJ is related to DBZP in a certain way based on the English alphabetical order. In the same way, MNOH is related to PRTN. To which of the given options is VZDZ related, following the same logic?

- Ans**
- ☐ 1. YFID
 - ☐ 2. YIGF
 - ☒ 3. YDIF
 - ☐ 4. YDFI



Q.26 In a certain code language, 'REPS' is coded as '7531' and 'EARS' is coded as '3217'. What is the code for 'A' in the given code language?

- Ans**
- ☐ 1. 3
 - ☐ 2. 1
 - ☐ 3. 5
 - ☒ 4. 2

Q.27 Joe walks east for 60 m from his house. He then takes a left turn and walks for 20 m, turns left and walks for 80 m. He then turns left and walks for 30 m, turns left and walks for 30 m. He takes a final left turn and walks for 10 m and stops. How far (shortest distance) and in which direction he should move in order to reach his house? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ 1. 10 m towards the north
 - ☐ 2. 10 m towards the east
 - ☒ 3. 10 m towards the west
 - ☐ 4. 10 m towards the south

Q.28 If 1 is added to each even digit of the number 85624179 then the digits are arranged in ascending order from left to right. Find the product of the digits which are second from the left end and third from the right end.

- Ans**
- ☐ 1. 24
 - ☐ 2. 14
 - ☒ 3. 21
 - ☐ 4. 16

Q.29 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$22 \div 85 \times 5 + 12 - 2 = ?$$

- Ans**
- ☐ 1. 37
 - ☐ 2. 23
 - ☐ 3. 30
 - ☒ 4. 15

Q.30 Seven boxes V, W, X, Y, Z, Q and R are kept one over the other but not necessarily in the same order. Only Y is kept above Z. Only two boxes are kept between Z and Q. Only V is kept below W. X is not kept immediately above Q. Which box is kept fourth from the top?

- Ans**
- ☒ 1. R
 - ☐ 2. V
 - ☐ 3. W
 - ☐ 4. X





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सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	01/09/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 After his election as the first American pope, what papal name did Cardinal Robert Prevost choose?

- Ans**
- ☒ 1. Pope Leo XIV
 - ☐ 2. Pope John XXIV
 - ☐ 3. Pope Benedict XVII
 - ☐ 4. Pope Francis II

Q.2 Which of the following is the correct terminology for the gap between two neurons where they communicate?

- Ans**
- ☐ 1. Node gap
 - ☒ 2. Synaptic cleft
 - ☐ 3. Dendritic cleft
 - ☐ 4. Axonal gap

Q.3 Which farming type involves small landholdings, simple tools, and production mainly consumed by farmers and their families in India?

- Ans**
- ☐ 1. Plantation farming
 - ☐ 2. Commercial farming
 - ☐ 3. Commercial grain farming
 - ☒ 4. Subsistence farming

Q.4 Which type of natural vegetation in India is known for forests with hardwood trees such as sal, teak, and bamboo?

- Ans**
- ☒ 1. Tropical deciduous forests
 - ☐ 2. Thorn forests
 - ☐ 3. Tropical evergreen forests
 - ☐ 4. Montane forests

Q.5 Which memory is non-volatile, meaning it retains data even after the computer is turned off?

- Ans**
- ☐ 1. Virtual Memory
 - ☐ 2. Cache Memory
 - ☒ 3. ROM
 - ☐ 4. RAM



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Q.6 During which of the following seasons was the National Agricultural Insurance Scheme launched to protect the farmers against crop losses suffered on account of natural calamities such as droughts, floods, hailstorms, cyclones, pests and diseases?

- Ans**
- ✓ 1. Rabi 1999-2000
 - ✗ 2. Kharif 2001-2002
 - ✗ 3. Rabi 2005-2006
 - ✗ 4. Kharif 1998-1999

Q.7 The 'Keel Laying' ceremony of the first of the five Fleet Support Ships (FSS) for the Indian Navy was held at which place in November 2024?

- Ans**
- ✗ 1. Mazagon Dock Shipbuilders Ltd., Cochin
 - ✓ 2. Hindustan Shipyard Ltd., Visakhapatnam
 - ✗ 3. Goa Shipyard Limited
 - ✗ 4. ABG Shipyard Ltd., Mumbai

Q.8 Who introduced the Permanent Settlement in British India?

- Ans**
- ✗ 1. Lord Dalhousie
 - ✗ 2. Lord Wellesley
 - ✗ 3. Thomas Munro
 - ✓ 4. Lord Cornwallis

Q.9 _____ is a classical dance form characterised by elaborate facial makeup, colourful costumes, and themes from Hindu epics, mainly performed by male dancers.

- Ans**
- ✗ 1. Kathak
 - ✓ 2. Kathakali
 - ✗ 3. Bharatanatyam
 - ✗ 4. Mohiniyattam

Q.10 Which company signed a ₹1,220 crore deal for Software Defined Radios with Defence Ministry in February 2025?

- Ans**
- ✓ 1. Bharat Electronics Limited
 - ✗ 2. Reliance Naval Systems
 - ✗ 3. Hindustan Shipyard
 - ✗ 4. L&T

Q.11 Which archaeological site shows pit dwellings and evidence of domesticated dogs during the Neolithic period?

- Ans**
- ✗ 1. Chirand
 - ✓ 2. Burzahom
 - ✗ 3. Koldihwa
 - ✗ 4. Hallur

Q.12 In January 2025, the Gujarat government declared the 'Inland Mangrove of Guneri', located in which district, as its first Biodiversity Heritage Site (BHS)?

- Ans**
- ✗ 1. Morbi
 - ✓ 2. Kutch
 - ✗ 3. Vadodara
 - ✗ 4. Rajkot



Q.13 Infrastructure has been a key pillar for sustained growth. Which initiative was launched in 2020 to coordinate infrastructure projects in India?

- Ans**
- ☐ 1. Digital India
 - ☐ 2. Make in India
 - ☒ 3. PM Gati Shakti
 - ☐ 4. Bharatmala Pariyojana

Q.14 During the Revolt of 1857, Rani Laxmibai led the rebellion from:

- Ans**
- ☐ 1. Faizabad
 - ☐ 2. Kanpur
 - ☐ 3. Awadh
 - ☒ 4. Jhansi

Q.15 Who among the following decides the allocation of portfolios among Indian state ministers?

- Ans**
- ☐ 1. Prime Minister
 - ☐ 2. Governor
 - ☒ 3. Chief Minister
 - ☐ 4. Chief Justice of the High Court

Q.16 As per April 2025 announcement, CRPF decided to raise which battalion for counter terror operation in Jammu and Kashmir?

- Ans**
- ☐ 1. Garud Commando Force
 - ☐ 2. Special Frontier Force (SFF)
 - ☐ 3. Para (Special Forces)
 - ☒ 4. CoBRA Battalion

Q.17 Which of the following cases CANNOT be taken up by a Lok Adalat?

- Ans**
- ☒ 1. Non-compoundable criminal offences
 - ☐ 2. Land acquisition cases
 - ☐ 3. Motor accident claims
 - ☐ 4. Divorce disputes under mutual consent

Q.18 In which of the following years did Edward, Prince of Wales visit India on behalf of his father King George V, to thank the nation for the essential role it had played during the First World War?

- Ans**
- ☒ 1. 1921
 - ☐ 2. 1920
 - ☐ 3. 1922
 - ☐ 4. 1925

Q.19 Which of the following countries withdrew from the OCED Global Tax Deal in January 2025?

- Ans**
- ☐ 1. Russia
 - ☐ 2. India
 - ☒ 3. USA
 - ☐ 4. China



Q.20 DIGIPIN, an open-source nationwide geo-coded addressing system, is an alphanumeric code of how many characters based on latitude and longitude coordinates?

- Ans**
- ☐ 1. 6 characters
 - ☐ 2. 8 characters
 - ☐ 3. 12 characters
 - ☒ 4. 10 characters

Q.21 As announced in January 2025, which Indian pharmaceutical company is set to manufacture Paracetamol domestically?

- Ans**
- ☐ 1. Ajanta Pharmaceuticals
 - ☒ 2. Satya Deeptha Pharmaceuticals
 - ☐ 3. Alkem Laboratories
 - ☐ 4. Lupin

Q.22 Which of the following exercises was jointly conducted by the Indian Army and NDRF on May 2025 as a large-scale humanitarian assistance and disaster relief (HADR) simulation?

- Ans**
- ☐ 1. Prakampana
 - ☒ 2. Raahat
 - ☐ 3. Shakti
 - ☐ 4. Mitra Shakti

Q.23 The International Date Line approximately follows which meridian?

- Ans**
- ☐ 1. 90° E
 - ☒ 2. 180°
 - ☐ 3. 75° W
 - ☐ 4. 0°

Q.24 Which example best reflects the need for the Constitution in daily life?

- Ans**
- ☐ 1. Celebrating national festivals
 - ☐ 2. Resolving a family dispute
 - ☐ 3. Buying groceries from a local store
 - ☒ 4. Class deciding rules for representation and resource sharing

Q.25 Which of the following players broke National Record in Women's 3000 m steeplechase at Doha Diamond League 2025 and qualified for the World Athletics Championships?

- Ans**
- ☒ 1. Parul Chaudhary
 - ☐ 2. Chaitali Borekar
 - ☐ 3. Garima Yadav
 - ☐ 4. Ekta Pradeep Dey

Q.26 A primary goal of LPG reforms was macroeconomic stabilisation. Which indicator improved significantly post-1991 reforms?

- Ans**
- ☐ 1. Revenue deficit
 - ☒ 2. Foreign exchange reserves
 - ☐ 3. Fiscal deficit
 - ☐ 4. Rural unemployment



Q.27 What is a key obligation of citizens toward fellow citizens and society?

- Ans**
- ☐ 1. Serve in the military automatically and responsibly
 - ☒ 2. Participate morally and socially, not just legally
 - ☐ 3. Pay higher taxes than others
 - ☐ 4. Maintain political silence responsibly

Q.28 Seasonal unemployment is common in rural economies. Which sector in India experiences the most seasonal unemployment?

- Ans**
- ☐ 1. Transport
 - ☐ 2. Information technology
 - ☒ 3. Agriculture
 - ☐ 4. Manufacturing

Q.29 What type of pressure develops over the Indian subcontinent during the summer, attracting monsoon winds?

- Ans**
- ☐ 1. Anti-cyclonic high over land
 - ☒ 2. Low pressure over land
 - ☐ 3. High pressure over land
 - ☐ 4. Cyclonic high over land

Q.30 Which type of reaction is involved in the rusting of iron?

- Ans**
- ☐ 1. Displacement
 - ☒ 2. Redox
 - ☐ 3. Combination
 - ☐ 4. Decomposition

Q.31 In which year was the National Disaster Response Force (NDRF) formed under the Disaster Management Act of 2005?

- Ans**
- ☐ 1. 2005
 - ☐ 2. 2007
 - ☒ 3. 2006
 - ☐ 4. 2004

Q.32 Which Constitutional Amendment added the words 'Socialist', 'Secular' and 'Integrity' to the Preamble of the Indian Constitution?

- Ans**
- ☒ 1. 42nd Amendment
 - ☐ 2. 38th Amendment
 - ☐ 3. 52nd Amendment
 - ☐ 4. 44th Amendment

Q.33 Who among the following was the first Indian athlete to win an Olympic gold medal?

- Ans**
- ☒ 1. Abhinav Bindra
 - ☐ 2. Milkha Singh
 - ☐ 3. Neeraj Chopra
 - ☐ 4. KD Jadhav

Q.34 On May 20, 2025, the Supreme Court has made minimum how many years of legal practice mandatory for entry into the judicial service?

- Ans**
- ☐ 1. 2 years
 - ☐ 2. 4 years
 - ☐ 3. 5 years
 - ☒ 4. 3 years



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Q.35 Which of the following substances is classified as an elastomer?

Ans  1.

Tissue in Veins

 2.

Tissue in Kidney

 3. Tissue in Pancreas

 4. Tissue of Aorta

Q.36 As in May 2025, who was the Chairman of the National Highways Authority of India (NHAI)?

Ans  1. Santosh Kumar Yadav

 2. Shri Alok Deepankar

 3. Vishal Chauhan

 4. Anil Choudhary

Q.37 Which of the following is NOT an epigraphic record for the reign of King Harsha?

Ans  1. Banskhera Copper Plate

 2. Nalanda Seals

 3. Muzaffarnagar Seals

 4. Aihole Inscription

Q.38 Which city hosted the inaugural World Audio Visual & Entertainment Summit (WAVES) in May 2025?

Ans  1. Bengaluru

 2. Mumbai

 3. Hyderabad

 4. Chennai

Q.39 Who among the following was conferred with a Padma Vibhushan Award 2025 (Posthumous) in the field of literature in April 2025?

Ans  1. Shri Shekhar Kapur

 2. Shri MT Vasudevan Nair

 3. Dr. Duvvur Nageshwar Reddy

 4. Shri Nandamuri Balakrishna

Q.40 What does CPU stand for in computer systems?

Ans  1. Central Processing Unit

 2. Control Processing Unit

 3. Computer Processing Unit

 4. Central Program Unit

Section : Mathematics

Q.1 Evaluate: $(-9) - (-60) \div (-10) + (-2) \times 7$

Ans  1. -32

 2. -31

 3. -28

 4. -29



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Q.2

The value of $\frac{5}{2} + \left(\frac{1}{1 + \frac{3}{8}} \right) - \frac{5}{3}$ is

Ans

- ✗ 1. $\frac{106}{59}$
 ✓ 2. $\frac{103}{66}$
 ✗ 3. $\frac{95}{69}$
 ✗ 4. $\frac{113}{72}$

Q.3 Which of the following numbers divides 54,10,96,943?

Ans

- ✗ 1. 103
 ✓ 2. 97
 ✗ 3. 87
 ✗ 4. 107

Q.4 If $\cot^2\theta = \frac{1}{(1-a^2)}$, $|a| < 1$, and θ is an acute angle, then find the value of $(\sec\theta + \operatorname{cosec}\theta \tan^3\theta)$.

Ans

- ✓ 1. $(2-a^2)^{\frac{3}{2}}$
 ✗ 2. $(4-a^2)$
 ✗ 3. (a^2-8)
 ✗ 4. $(2-a^2)^{\frac{3}{2}}$

Q.5 A product is marked at ₹7,500. Two successive discounts of 8% and 5% are offered. What is the final selling price?

Ans

- ✗ 1. ₹5,655
 ✓ 2. ₹6,555
 ✗ 3. ₹5,125
 ✗ 4. ₹4,525

Q.6

Simplify: $3 \left(\left(\frac{4}{3} \right) x^2 - 24x + 18 \right) - 4(x^2 + 7x - 18)$

Ans

- ✗ 1. $100x + 126$
 ✓ 2. $-100x + 126$
 ✗ 3. $-100x - 126$
 ✗ 4. $100x - 126$

Q.7 The selling price of 50 books is equal to the cost price of 16 books. Find the loss or gain percentage.

Ans

- ✗ 1. $\frac{100}{34}\%$ gain
 ✗ 2. 68% gain
 ✓ 3. 68% loss
 ✗ 4. $\frac{100}{34}\%$ loss



Q.8 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 29^\circ$. E is a point on BC such that $\angle CAE = 25^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☐ 1. 100°
 - ☒ 2. 86°
 - ☐ 3. 93°
 - ☐ 4. 90°

Q.9 An open metallic box is 60 cm long, 40 cm wide and 23 cm high. Its thickness is 3 cm. If 1 cm^3 of metal used in the box weighs 0.5 grams, find the weight (in kg) of the box.

- Ans**
- ☐ 1. 8.46
 - ☒ 2. 9.24
 - ☐ 3. 10.82
 - ☐ 4. 10.42

Q.10 M and N start a business. M invests ₹39,000 more than N for 4 months and N invests for 7 months. M's share is ₹508 more than that of N, out of a total profit of ₹4,064. Find the capital contributed by M.

- Ans**
- ☐ 1. ₹70,322
 - ☐ 2. ₹70,391
 - ☐ 3. ₹70,243
 - ☒ 4. ₹70,200

Q.11 On a marked price of ₹5,000, a dealer offers successive discounts of 10% and 5%. Find the selling price.

- Ans**
- ☐ 1. ₹4,320
 - ☐ 2. ₹4,250
 - ☐ 3. ₹4,280
 - ☒ 4. ₹4,275

Q.12 The population of a district is 374000, out of which 165000 are males. 21% of the population is literate. If 40% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 8%
 - ☒ 2. 6%
 - ☐ 3. 7%
 - ☐ 4. 5%

Q.13 Two pipes can fill a cistern, individually, in 16 minutes and 32 minutes, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 12 minutes. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

- Ans**
- ☐ 1. 192 minutes
 - ☐ 2. 144 minutes
 - ☐ 3. 160 minutes
 - ☒ 4. 96 minutes

Q.14 Find the mean proportional of 490 and 10.

- Ans**
- ☒ 1. 70
 - ☐ 2. 67
 - ☐ 3. 68
 - ☐ 4. 71



Q.15 Find the value of: $[616 \div \{26 + 9 \times (5 - 7)\}]$.

- Ans**
- ☐ 1. 78
 - ☐ 2. 79
 - ☒ 3. 77
 - ☐ 4. 82

Q.16 The average weight (in kg) of a family of five members, whose weights are 40 kg, 49 kg, 56 kg, 74 kg, and 39 kg, is:

- Ans**
- ☐ 1. 52.6
 - ☐ 2. 50.6
 - ☐ 3. 53.6
 - ☒ 4. 51.6

Q.17 A, B and C started a business investing ₹1,340, ₹1,100 and ₹2,440, respectively. If B's share in the profit earned by them is ₹814, what is the difference in the profit (in ₹) earned by A and C?

- Ans**
- ☐ 1. ₹811
 - ☐ 2. ₹815
 - ☐ 3. ₹816
 - ☒ 4. ₹814

Q.18 The sum of two numbers is 84 and their L.C.M. is 120. What are the two numbers?

- Ans**
- ☐ 1. 65, 19
 - ☒ 2. 60, 24
 - ☐ 3. 53, 31
 - ☐ 4. 58, 26

Q.19 The LCM of the numbers 5.1 and 0.102 is:

- Ans**
- ☐ 1. 51
 - ☒ 2. 5.1
 - ☐ 3. 0.51
 - ☐ 4. 0.051

Q.20 The simple interest on a certain sum for $4\frac{1}{5}$ years at the rate of 2.5% per annum is ₹8,400.

What will be the amount payable on the same sum at the rate of 8.1% per annum simple interest in $10\frac{1}{4}$ years?

- Ans**
- ☐ 1. ₹1,46,429
 - ☐ 2. ₹1,46,416
 - ☒ 3. ₹1,46,420
 - ☐ 4. ₹1,46,404

Q.21 The average price of three items of furniture is ₹ 16860. If their prices are in the ratio 3:5:7, the price of the costliest item (in ₹) is

- Ans**
- ☒ 1. 23604
 - ☐ 2. 7868
 - ☐ 3. 10116
 - ☐ 4. 5620



Q.22 Amit bought some erasers at the rate of ₹150 a dozen. He sold them for ₹42 each. His profit percentage is ____%.

- Ans**
- ☒ 1. 236
 - ☐ 2. 240
 - ☐ 3. 234
 - ☐ 4. 238

Q.23 What is the area (rounded off to the nearest integer) of a triangle whose three sides measure 11 cm, 15 cm and 16 cm?

- Ans**
- ☒ 1. 79 cm²
 - ☐ 2. 82 cm²
 - ☐ 3. 84 cm²
 - ☐ 4. 87 cm²

Q.24 In covering a distance of 60 km, Pranay takes 6 hours more than Aman. If Pranay doubles his speed, then he would take 9 hours less than Aman. Pranay's speed is:

- Ans**
- ☐ 1. 12 km/hr
 - ☒ 2. 2 km/hr
 - ☐ 3. 11 km/hr
 - ☐ 4. 9 km/hr

Q.25 *By how much is 65% of 55 greater than $\frac{2}{5}$ of 15?*

- Ans**
- ☐ 1. 26.75
 - ☐ 2. 23.75
 - ☒ 3. 29.75
 - ☐ 4. 27.75

Q.26 5 years ago, the age of a father was 11 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans**
- ☐ 1. 10
 - ☐ 2. 4
 - ☐ 3. 5
 - ☒ 4. 6

Q.27 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 4 months.

- Ans**
- ☐ 1. ₹16
 - ☐ 2. ₹32
 - ☐ 3. ₹36
 - ☒ 4. ₹192

Q.28 The product of two consecutive natural numbers is 600. The greater of the two numbers is:

- Ans**
- ☐ 1. 31
 - ☒ 2. 25
 - ☐ 3. 40
 - ☐ 4. 16



Q.29 A man riding on a bicycle at a speed of 24 km/hr crosses a bridge in 3.1 minutes. Find the length of the bridge.

- Ans**
- ☒ 1. 0.34 km
 - ☒ 2. 1.24 km
 - ☒ 3. 0.62 km
 - ☒ 4. 1.64 km

Q.30 Pipe A can fill a tank in 20 hours, pipe B can fill the same tank in 25 hours and pipe C can fill the same tank in 10 hours. The time taken by them to fill the same tank if they operate together is::

- Ans**
- ☒ 1. $2\frac{5}{19}$ hours
 - ☒ 2. $5\frac{5}{19}$ hours
 - ☒ 3. $11\frac{5}{19}$ hours
 - ☒ 4. $3\frac{5}{19}$ hours

Section : General Intelligence and Reasoning

Q.1 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$72 \times 3 - 8 \div 5 + 31 = ?$$

- Ans**
- ☒ 1. 33
 - ☒ 2. 35
 - ☒ 3. 37
 - ☒ 4. 31

Q.2 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. ICWS
 - ☒ 2. DXRN
 - ☒ 3. KFYU
 - ☒ 4. NHBX

Q.3 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 8147563, what will be the sum of the digits that are second from the left and second from the right?

- Ans**
- ☒ 1. 14
 - ☒ 2. 4
 - ☒ 3. 10
 - ☒ 4. 6

Q.4 MJRN is related to KHPL in a certain way based on the English alphabetical order. In the same way, PMUQ is related to NKSO. To which of the given options is SPXT related, following the same logic?

- Ans**
- ☒ 1. NQRV
 - ☒ 2. QNRV
 - ☒ 3. NQVR
 - ☒ 4. QNVR



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Q.5 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. D is kept immediately above A. G is kept immediately above B. Only E is kept above C. Only two boxes are kept above D. G is not kept at the third position from the bottom. How many boxes are kept above G?

- Ans**
- ☐ 1. 3
 - ☒ 2. 5
 - ☐ 3. 4
 - ☐ 4. 2

Q.6 I is the daughter of X. K is the son of R. X is married to Z. Z is the mother of N. F is married to R. F is the brother of X. How is X related to K?

- Ans**
- ☐ 1. Father's father
 - ☐ 2. Mother's brother
 - ☒ 3. Father's brother
 - ☐ 4. Father

Q.7 Town P is to the south of Town Q. Town R is to the west of Town Q. Town S is to the west of Town R. Town T is to the north of Town S and also to the south of Town U. What is the position of Town U with respect to Town S?

- Ans**
- ☐ 1. West
 - ☐ 2. East
 - ☐ 3. South
 - ☒ 4. North

Q.8 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. PS-RU
 - ☒ 2. YB-ZF
 - ☐ 3. EH-GJ
 - ☐ 4. IL-KN

Q.9 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

300, 194
315, 209

- Ans**
- ☒ 1. 272, 166
 - ☐ 2. 255, 159
 - ☐ 3. 288, 180
 - ☐ 4. 240, 124

Q.10 In a certain code language, 'LOAN' is coded as '4257' and 'NIKE' is coded as '1346'. What is the code for 'N' in the given code language?

- Ans**
- ☐ 1. 1
 - ☐ 2. 6
 - ☐ 3. 7
 - ☒ 4. 4



Q.11 This question is based on the five, three-digit numbers given below.
(Left) 512 648 729 378 462 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the first digit of the lowest number is added to the third digit of the highest number?

- Ans**
- ☒ 1. 12
 - ☐ 2. 10
 - ☐ 3. 13
 - ☐ 4. 11

Q.12 I, J, K, L, O, P and Q are sitting around a circular table, facing the centre of the table.
P sits third to the left of K. O sits second to the left of J. Only K sits between Q and O. L is not an immediate neighbour of P.
How many people sit between I and O when counted from the right of I?

- Ans**
- ☐ 1. One
 - ☐ 2. Four
 - ☐ 3. Three
 - ☒ 4. Two

Q.13 What should come in place of the question mark (?) in the given series?

890 891 893 896 900 ?

- Ans**
- ☐ 1. 903
 - ☐ 2. 906
 - ☒ 3. 905
 - ☐ 4. 904

Q.14 Seven boxes P, Q, R, S, X, Y and Z are kept one over the other, but not necessarily in the same order. Z is kept second from the bottom. Only three boxes are kept between Z and R. X is kept at one of the positions below Z. Only S is kept between R and Y. P is kept at one of the positions above R. How many boxes are kept between Q and R?

- Ans**
- ☐ 1. One
 - ☐ 2. Four
 - ☒ 3. Two
 - ☐ 4. Three

Q.15 What should come in place of the question mark (?) in the given series?

56 58 63 73 90 ?

- Ans**
- ☐ 1. 115
 - ☐ 2. 112
 - ☐ 3. 114
 - ☒ 4. 116

Q.16 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. CXZ
 - ☐ 2. OJL
 - ☒ 3. ZTW
 - ☐ 4. IDF



Q.17 In a certain code language, 'learning is lifelong' is written as 'fk mb tb' and 'is school over' is coded as 'jt mt fk'. How is 'is' coded in the given language?

- Ans**
- ☐ 1. jt
 - ☐ 2. tb
 - ☒ 3. fk
 - ☐ 4. mb

Q.18 A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits third to the left of G. C sits second to the left of B. F sits to the immediate right of D. E sits to the immediate right of G. How many people sit between A and D when counted from the left of A?

- Ans**
- ☐ 1. Three
 - ☐ 2. One
 - ☒ 3. Four
 - ☐ 4. Two

Q.19 Bimal starts from Point Y and drives 44 km towards south. He then takes a left turn, drives 56 km, turns right and drives 37 km. He then takes a right turn and drives 23 km. He takes a right turn, drives 28 km. He then turns right, drives 38 km, turns left and drives 53 km, turns right and drives 19 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 90 km towards west
 - ☐ 2. 87 km towards east
 - ☐ 3. 92 km towards east
 - ☐ 4. 84 km towards south

Q.20 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

UNA OHU IBO CVI ?

- Ans**
- ☐ 1. WSP
 - ☒ 2. WPC
 - ☐ 3. WPS
 - ☐ 4. WCP

Q.21 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DLY 15, BJW 22, ZHU 29, XFS 36, ?

- Ans**
- ☐ 1. VDP 41
 - ☐ 2. WER 43
 - ☒ 3. VDQ 43
 - ☐ 4. VER 42



Q.22 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some crafts are handlooms.
All shawls are handlooms.

Conclusions:

- (I) Some crafts are shawls.
(II) All handlooms are shawls.

- Ans**
- ☒ 1. Only conclusion (II) follows.
 - ☒ 2. Only conclusion (I) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.23 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) 5 8 £ 1 7 & \$ \$ 7 # 4 1 8 9 @ 7 5 7 £ @ 2 & (Right)

How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a number?

- Ans**
- ☒ 1. 3
 - ☒ 2. 5
 - ☒ 3. 4
 - ☒ 4. 2

Q.24 DJMS is related to FORU in a certain way based on the English alphabetical order. In the same way, LDGA is related to NILC. To which of the given options is RSVG related, following the same logic?

- Ans**
- ☒ 1. TAXI
 - ☒ 2. TIXA
 - ☒ 3. TXAI
 - ☒ 4. TXSW

Q.25 Each of the digits in the number 2516984 is arranged in the ascending order from left to right. What will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

- Ans**
- ☒ 1. 12
 - ☒ 2. 10
 - ☒ 3. 9
 - ☒ 4. 7

Q.26 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

ABLE - BLAE - ELBA
ITEM - TEIM - METI

- Ans**
- ☒ 1. SACK - ASCK - KACS
 - ☒ 2. OPEN - OEPN - NEPO
 - ☒ 3. SLOT - LOST - TOLS
 - ☒ 4. CAME - AMCE - AMEC



Q.27 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: Some laptops are computers. No computer is a mobile.

Conclusions (I): No laptop is a mobile.

Conclusions (II): Some laptops are mobile.

- Ans**
- ☐ 1. Only conclusion (I) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (II) follows.
 - ☒ 4. Neither conclusion (I) nor (II) follows.

Q.28 What should come in place of the question mark (?) in the given series?

191 192 196 205 221 ?

- Ans**
- ☐ 1. 231
 - ☐ 2. 241
 - ☐ 3. 236
 - ☒ 4. 246

Q.29 Each of the digits in the number 5648321 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
- ☐ 1. 4
 - ☐ 2. 6
 - ☐ 3. 5
 - ☒ 4. 8

Q.30 In a row of certain number of people facing north, Rahul is sitting 245th from the left end and 19th from the right end. What is the total number of people in that row?

- Ans**
- ☐ 1. 226
 - ☐ 2. 236
 - ☒ 3. 263
 - ☐ 4. 264





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सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	01/09/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 In which year was the Second Pay Commission appointed in India?

Ans ☒ 1. 1957

☐ 2. 1965

☐ 3. 1962

☐ 4. 1950

Q.2 Climatic maps are primarily based on data related to:

Ans ☒ 1. temperature and rainfall

☐ 2. population growth

☐ 3. soil moisture content only

☐ 4. industrial zones

Q.3 Which country retained the top spot for the second consecutive year in the Henley Passport Index released in January 2025?

Ans ☒ 1. Singapore

☐ 2. Japan

☐ 3. Germany

☐ 4. South Korea

Q.4 On which river is the Bhakra Nangal Dam constructed?

Ans ☐ 1. Ravi

☐ 2. Yamuna

☒ 3. Satluj

☐ 4. Ganga

Q.5 Gandhiji gave a call for a satyagraha against the Rowlatt Act in which of the following years?

Ans ☒ 1. 1919

☐ 2. 1922

☐ 3. 1930

☐ 4. 1915



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Q.6 The Ministry of Environment, Forest and Climate Change (MoEFCC), in collaboration with which of the following universities, organised the symposium 'India 2047: Building a Climate-Resilient Future' at Bharat Mandapam, New Delhi, in March 2025?

- Ans**
- ☐ 1. University College London
 - ☒ 2. Harvard University
 - ☐ 3. Massachusetts Institute of Technology
 - ☐ 4. University of Toronto

Q.7 In 2025, the United Nations called for peace talks between which two countries after missile exchanges intensified their long-standing conflict?

- Ans**
- ☐ 1. Russia and Ukraine
 - ☐ 2. North Korea and South Korea
 - ☒ 3. Israel and Iran
 - ☐ 4. India and Sri Lanka

Q.8 Which key is used to rename a file or folder in Windows?

- Ans**
- ☐ 1. F5
 - ☐ 2. ESC + N
 - ☐ 3. CTRL + N
 - ☒ 4. F2

Q.9 Which eminent Kathak dancer from Gujarat was awarded the Padma Vibhushan in 2025 for her outstanding contributions to Indian classical dance?

- Ans**
- ☐ 1. Sonal Mansingh
 - ☐ 2. Rukmini Devi
 - ☐ 3. Mallika Sarabhai
 - ☒ 4. Kumudini Lakhia

Q.10 According to the 2025 report by McKinsey & Company and BoF, by what percentage is India's ultra-high-net-worth individual (UHNWI) population expected to grow by 2028?

- Ans**
- ☐ 1. 30%
 - ☒ 2. 50%
 - ☐ 3. 40%
 - ☐ 4. 60%

Q.11 Who among the following Mughal rulers is considered to be the last powerful Mughal ruler?

- Ans**
- ☐ 1. Dara Shukoh
 - ☐ 2. Bahadur Shah Zafar
 - ☐ 3. Shah Jahan
 - ☒ 4. Aurangzeb

Q.12 Which Article was inserted into the Constitution by the 103rd Amendment Act to provide for EWS reservation?

- Ans**
- ☐ 1. Article 14A and 16A
 - ☒ 2. Article 15(6) and 16(6)
 - ☐ 3. Article 21C and 22A
 - ☐ 4. Article 18A and 19A



Q.13 Which of the following Directive Principles of State Policy is provided under Article 40 of the Indian Constitution?

- Ans**
- ☐ 1. Promotion of cottage industries in rural areas
 - ☐ 2. Provision for a uniform civil code
 - ☐ 3. Organisation of agriculture and animal husbandry
 - ☒ 4. Organisation of village panchayats

Q.14 Vembanad Lake, India's longest lake facing severe degradation, is located in which state?

- Ans**
- ☐ 1. Assam, home to the Brahmaputra river basin
 - ☒ 2. Kerala, known for its backwaters and lagoons
 - ☐ 3. West Bengal, near the Sundarban mangrove forests
 - ☐ 4. Odisha, famous for Chilika Lake ecosystem

Q.15 Which of the following elements has the largest atomic radius?

- Ans**
- ☐ 1. K
 - ☒ 2. Rb
 - ☐ 3. Li
 - ☐ 4. Na

Q.16 Which Indian ministry has put in the public domain the Draft National Code Against Age Fraud in Sports (NCAAFS) 2025 for inviting comments and suggestions from the general public and stakeholders, as part of the consultation process in March 2025?

- Ans**
- ☐ 1. Ministry of Law and Justice
 - ☐ 2. Ministry of Social Justice and Empowerment
 - ☒ 3. Ministry of Youth Affairs and Sports
 - ☐ 4. Ministry of Health and Family Welfare

Q.17 In which of the following years was the National Telecom Policy (NTP), that envisaged the objective of one public call office (PCO) for every 500 persons in the urban areas, formulated?

- Ans**
- ☐ 1. 1992
 - ☐ 2. 1999
 - ☒ 3. 1994
 - ☐ 4. 1997

Q.18 The Faraizi Movement was a religious reform movement of the 19th century in _____.

- Ans**
- ☒ 1. Bengal
 - ☐ 2. Rajasthan
 - ☐ 3. Gujarat
 - ☐ 4. Maharashtra

Q.19 In which year was India's first operational six-lane expressway, the approximately 95 km long Mumbai–Pune Expressway, inaugurated?

- Ans**
- ☒ 1. 2002
 - ☐ 2. 2000
 - ☐ 3. 2004
 - ☐ 4. 1998



Q.20 Which of the following elements belongs to the s-block of the periodic table?

- Ans**
- ☐ 1. Iron
 - ☐ 2. Chlorine
 - ☒ 3. Calcium
 - ☐ 4. Uranium

Q.21 Which Article of the Indian Constitution mentions the Council of Ministers to aid and advise the President?

- Ans**
- ☒ 1. Article 74
 - ☐ 2. Article 80
 - ☐ 3. Article 85
 - ☐ 4. Article 76

Q.22 Which river rises in the Gangotri glacier near Gaumukh (3,900 m) in the Uttarkashi district?

- Ans**
- ☐ 1. Chenab river
 - ☐ 2. Yamuna river
 - ☒ 3. Bhagirathi river
 - ☐ 4. Son river

Q.23 What was a major challenge faced by the Indian manufacturing sector after liberalisation?

- Ans**
- ☒ 1. Increased competition from cheaper imports
 - ☐ 2. High industrial licensing fees
 - ☐ 3. Shortage of raw materials
 - ☐ 4. Decline in capital inflow

Q.24 What is the function of the Alt + F4 shortcut?

- Ans**
- ☐ 1. Opens a new window
 - ☒ 2. Closes the current window or application
 - ☐ 3. Refreshes the browser
 - ☐ 4. Saves the document

Q.25 Which of the following is an example of plasticity in plants?

- Ans**
- ☐ 1. Phototropism
 - ☒ 2. Heterophylly
 - ☐ 3. Vernalisation
 - ☐ 4. Photoperiodism

Q.26 The Centre of Excellence on 'Classical and Quantum Communications for 6G' inaugurated at IIT-Madras in July 2024, functions under which umbrella programme?

- Ans**
- ☐ 1. SAMARQAND
 - ☐ 2. IN-SPACE
 - ☒ 3. Telecom Centres of Excellence (TCoE)-India
 - ☐ 4. MeitY FutureNET

Q.27 Which of the following Articles deals with the Right against Exploitation?

- Ans**
- ☐ 1. Articles 31–32
 - ☐ 2. Articles 25–28
 - ☐ 3. Articles 29–30
 - ☒ 4. Articles 23–24



Q.28 In 2025, which State/UT's police launched the 'Shishtachar' squad to keep a check on sexual harassment of women in public places?

- Ans**
- ✓ 1. Delhi
 - ✗ 2. Puducherry
 - ✗ 3. Haryana
 - ✗ 4. Maharashta

Q.29 Unemployment reflects the inability of the economy to provide jobs to those willing to work. Which organisation conducts the Periodic Labour Force Survey (PLFS) in India?

- Ans**
- ✗ 1. Ministry of Labour and Employment
 - ✗ 2. RBI (Reserve Bank of India)
 - ✗ 3. NITI Aayog
 - ✓ 4. NSO (National Statistical Office)

Q.30 Buddha Purnima was celebrated on which date in 2025?

- Ans**
- ✓ 1. 12 May
 - ✗ 2. 23 March
 - ✗ 3. 10 April
 - ✗ 4. 19 February

Q.31 Which of the following statements is correct about Article 323B of the Constitution?

- Ans**
- ✓ 1. It permits tribunals for matters like taxation, land reforms, and labour disputes.
 - ✗ 2. It allows the creation of tribunals only for the armed forces.
 - ✗ 3. It restricts tribunals to environmental cases only.
 - ✗ 4. It empowers states to establish tribunals for local governance.

Q.32 Which foreign trade relation was badly affected when Byzantium learned silk production in the 6th century CE?

- Ans**
- ✗ 1. Indo-Roman trade
 - ✓ 2. Indo-Byzantine trade
 - ✗ 3. Indo-Persian trade
 - ✗ 4. Indo-Arab trade

Q.33 What is one key benefit of India's Digital Public Infrastructure (DPI) model shared at the BRICS meeting in 2025?

- Ans**
- ✓ 1. Reducing financial exclusion
 - ✗ 2. Exporting digital gadgets
 - ✗ 3. Promoting space exploration
 - ✗ 4. Increasing tax rates

Q.34 Who among the following is a famous Indian classical dancer known for popularising Bharatanatyam globally?

- Ans**
- ✗ 1. Hema Malini
 - ✗ 2. Mallika Sarabhai
 - ✗ 3. Sonal Mansingh
 - ✓ 4. Rukmini Devi Arundale



Q.35 Which of the following influential poets was renowned for employing ultabasi (also written as ulatbansi), a distinctive poetic style characterised by paradoxes and enigmas?

- Ans**
- ✓ 1. Kabir
 - ✗ 2. Agyeya
 - ✗ 3. Bal Krishna Sharma Naveen
 - ✗ 4. Ramdhari Singh Dinkar

Q.36 Which of the following subjects falls under the Concurrent List?

- Ans**
- ✗ 1. Banking
 - ✓ 2. Criminal law
 - ✗ 3. Defence
 - ✗ 4. Police

Q.37 Who won Best Supporting Actress for her role in Baby Reindeer at the BAFTA TV Awards held at London's Royal Festival Hall in May 2025?

- Ans**
- ✓ 1. Jessica Gunning
 - ✗ 2. Olivia Colman
 - ✗ 3. Helena Bonham Carter
 - ✗ 4. Lesley Manville

Q.38 Which of the following is a reason for the uneven distribution of rainfall in India during the southwest monsoon?

- Ans**
- ✓ 1. Mountain ranges influence wind direction and intensity.
 - ✗ 2. Monsoon winds blow equally everywhere.
 - ✗ 3. The Himalayas stop all monsoon rainfall.
 - ✗ 4. Southern states alone receive all rainfall.

Q.39 Which of the following is a classification of economic activities undertaken by the Central Statistical Organisation (CSO) in India?

- Ans**
- ✗ 1. Classification Code of India-2000
 - ✓ 2. National Industrial Classification-1998
 - ✗ 3. Industrial Classification Structure-2005
 - ✗ 4. National Code for Agriculture and Industrial Classification-2009

Q.40 In 2025, which organisation has developed a new nanoporous multilayered polymeric membrane for high-pressure seawater desalination?

- Ans**
- ✗ 1. Council of Scientific and Industrial Research
 - ✗ 2. Indian Institute of Science
 - ✓ 3. Defence Research & Development Organisation
 - ✗ 4. Bharat Heavy Electricals Limited

Section : Mathematics

Q.1 A number when increased by 100% gives 2760. The number is:

- Ans**
- ✗ 1. 2760
 - ✗ 2. 4140
 - ✗ 3. 690
 - ✓ 4. 1380



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Q.2 Pipe P can fill $\frac{2}{9}$ part of a tank in 20 hours, and pipe Q can fill $\frac{5}{9}$ part of the same tank in 10 hours.

Both P and Q were kept open for 3 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans**
- ☐ 1. 41 hours
 - ☐ 2. 29 hours
 - ☒ 3. 24 hours
 - ☐ 4. 42 hours

Q.3 M and N started a business. M invested ₹31,000 more than N for 2 months, while N invested for 7 months. M's share is ₹139 more than that of N, out of a total profit of ₹5,977. Find the capital contributed by M.

- Ans**
- ☐ 1. ₹42,529
 - ☒ 2. ₹42,625
 - ☐ 3. ₹42,561
 - ☐ 4. ₹42,441

Q.4 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 6 months.

- Ans**
- ☐ 1. ₹48
 - ☒ 2. ₹24
 - ☐ 3. ₹44
 - ☐ 4. ₹288

Q.5 The cost of 9 pens and 14 pencils is ₹95. If the cost of a pen decreases by ₹3 and the cost of a pencil increases by ₹7, then the cost of 9 pens and 3 pencils is ₹78. What is the original cost of 17 pens and 13 pencils?

- Ans**
- ☐ 1. ₹162
 - ☒ 2. ₹166
 - ☐ 3. ₹169
 - ☐ 4. ₹161

Q.6 Simplify the following.

$$3\left(\left(\frac{4}{3}\right)x^2 - 21x + 12\right) - 4(x^2 + 4x - 14)$$

- Ans**
- ☐ 1. $79x - 92$
 - ☐ 2. $79x + 92$
 - ☒ 3. $-79x + 92$
 - ☐ 4. $-79x - 92$

Q.7 The sides of a right-angled triangle are x cm, $(x + 2)$ cm and $(x + 4)$ cm, respectively. If the area of the triangle is 24 cm^2 , find its perimeter (in cm).

- Ans**
- ☐ 1. 28
 - ☒ 2. 24
 - ☐ 3. 26
 - ☐ 4. 30

Q.8 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 70^\circ$ and $\angle BAC = 62^\circ$, then what is the measure of $\angle ACD$ (in degree)?

- Ans**
- ☐ 1. 92
 - ☐ 2. 75
 - ☐ 3. 82
 - ☒ 4. 84



Q.9

The value of $3^2 + \sqrt{4^2} - 5\sqrt{81} - 4$ is

Ans

☐ 1. -42☐ 2. -32☐ 3. -41☒ 4. -36

Q.10 The marks scored by 10 students are given below.

20, 20, 20, 19, 14, 18, 20, 12, 11, 17

The mode of the data is:

Ans

☒ 1. 20☐ 2. 14☐ 3. 19☐ 4. 18

Q.11 The selling price of 40 books is equal to the cost price of 30 books. Find the loss or gain percentage.

Ans

☒ 1. 25% loss☐ 2. $\frac{100}{10}\%$ loss☐ 3. $\frac{100}{10}\%$ gain☐ 4. 25% gain

Q.12 Find the simple interest (in ₹) on ₹4,000 at 6.75% per annum rate of interest deposited on 24 February 2024 and withdrawn on 25 April 2024.

Ans

☐ 1. ₹46☐ 2. ₹43☐ 3. ₹44☒ 4. ₹45Q.13 Given that $95^{0.53} = x$, $95^{0.83} = y$ and $x^z = y^8$, then the value of z is close to:

Ans

☒ 1. 12.53☐ 2. 13.4☐ 3. 15.92☐ 4. 11.75

Q.14 The population of a district is 342000, out of which 228000 are males. 44% of the population is literate. If 59% males are literate, then what percentage of females are literate?

Ans

☐ 1. 12%☐ 2. 17%☒ 3. 14%☐ 4. 16%

Q.15 Train A leaves station M at 7:55 a.m. and reaches station N at 2:55 p.m. on the same day. Train B leaves station N at 9:55 a.m. and reaches station M at 2:55 p.m. on the same day. Find the time when Trains A and B meet.

Ans

☐ 1. 1:49 a.m.☐ 2. 4:08 p.m.☐ 3. 4:48 p.m.☒ 4. 12:00 p.m.

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Q.16 If 79% of first number is equal to four-ninths of second number, what is the ratio of first number to the second number?

- Ans
- ✓ 1. 400 : 711
 - ✗ 2. 396 : 709
 - ✗ 3. 404 : 716
 - ✗ 4. 399 : 706

Q.17 On the eve of new year, a branded washing machine is sold for ₹34,340 after allowing 15% discount. What is its marked price (in ₹)?

- Ans
- ✗ 1. 44,500
 - ✓ 2. 40,400
 - ✗ 3. 45,400
 - ✗ 4. 44,000

Q.18 The sum of two numbers is 52 and their LCM is 651. The two numbers are:

- Ans
- ✗ 1. 36, 16
 - ✗ 2. 24, 28
 - ✗ 3. 29, 23
 - ✓ 4. 31, 21

Q.19 The value of $\frac{5}{4} + \left(\frac{1}{1 + \frac{5}{7}} \right) - \frac{3}{5}$ is

- Ans
- ✗ 1. $\frac{36}{23}$
 - ✗ 2. $\frac{43}{34}$
 - ✗ 3. $\frac{46}{33}$
 - ✓ 4. $\frac{37}{30}$

Q.20 Find the surface area of a sphere whose diameter is equal to 64 cm.

- Ans
- ✓ 1. $4096\pi \text{ cm}^2$
 - ✗ 2. $4171\pi \text{ cm}^2$
 - ✗ 3. $3994\pi \text{ cm}^2$
 - ✗ 4. $4044\pi \text{ cm}^2$

Q.21 Simplify the following:

$$\frac{1 + \cot^2 \theta}{1 + \tan^2 \theta}$$

- Ans
- ✓ 1. $\operatorname{cosec}^2 \theta - 1$
 - ✗ 2. $\cot^2 \theta - 1$
 - ✗ 3. $\sec^2 \theta - 1$
 - ✗ 4. $\tan^2 \theta - 1$

Q.22 A tradesman marks his goods at 24% above the cost price. He allows his customer a discount of 13% on the marked price. Find his profit percentage.

- Ans
- ✗ 1. 5.76%
 - ✗ 2. 8.55%
 - ✓ 3. 7.88%
 - ✗ 4. 6.48%



Q.23 A man goes to Indore from Bhopal at a speed of 9 km/hr and returns to Bhopal at speed of 18 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans**
- ☒ 1. 15
 - ☒ 2. 12
 - ☒ 3. 9
 - ☒ 4. 6

Q.24 If 2 times a mother's present age is 25 years more than 5 times her daughter's present age, and 3 times the daughter's present age is 9 years less than the mother's present age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans**
- ☒ 1. 20
 - ☒ 2. 28
 - ☒ 3. 25
 - ☒ 4. 23

Q.25 Which of the following numbers divides 488309139?

- Ans**
- ☒ 1. 9
 - ☒ 2. 11
 - ☒ 3. 10
 - ☒ 4. 13

Q.26 The LCM of the numbers 2.6 and 0.084 is:

- Ans**
- ☒ 1. 546
 - ☒ 2. 0.546
 - ☒ 3. 5.46
 - ☒ 4. 54.6

Q.27 Amit, Neha, and Kiran invest ₹1,220, ₹1,370, and ₹1,110, respectively, to start a business. If the profit at the end of the year is ₹1,160, then what is the share of Kiran in the profit?

- Ans**
- ☒ 1. ₹345
 - ☒ 2. ₹347
 - ☒ 3. ₹351
 - ☒ 4. ₹348

Q.28 The average runs scored by a batsman in 23 matches is 43. In the next 10 matches, the batsman scored an average of 13 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

- Ans**
- ☒ 1. 32.91
 - ☒ 2. 34.91
 - ☒ 3. 35.91
 - ☒ 4. 33.91



Q.29 Pallavi bought a toy for ₹670, decorated it at a cost of ₹10 and sold the toy for ₹290. Find the loss or profit percentage.

Ans

✗ 1. $\frac{975}{17}\%$ profit

✗ 2. 975 % loss

✗ 3. $\frac{985}{17}\%$ profit

✓ 4. $\frac{975}{17}\%$ loss

Q.30 Pipe A can fill a tank in 16 hours, pipe B can fill the same tank in 21 hours and pipe C can fill the same tank in 11 hours. The time taken by them to fill the same tank if they operate together is::

Ans

✗ 1. $5\frac{724}{743}$ hours

✗ 2. $1\frac{724}{743}$ hours

✓ 3. $4\frac{724}{743}$ hours

✗ 4. $2\frac{724}{743}$ hours

Section : General Intelligence and Reasoning

Q.1 In a certain code language,
A + B means 'A is the husband of B',
A – B means 'A is the mother of B',
A x B means 'A is the daughter of B' and
A ÷ B means 'A is the brother of B'.

How is G related to P if 'G ÷ I x L + N – P'?

Ans

✗ 1. Mother's father

✗ 2. Father's brother

✓ 3. Brother

✗ 4. Mother's brother

Q.2 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some cloth are handkerchief.
All towel are handkerchief.

Conclusion:

(I): Some cloth are towel.

(II): All handkerchief are towel.

Ans

✗ 1. Both conclusions (I) and (II) follow.

✓ 2. Neither conclusion (I) nor (II) follows.

✗ 3. Only conclusion (II) follows.

✗ 4. Only conclusion (I) follows.



Q.3 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) 2 4 & # \$ 4 7 6 6 & 1 * \$ 2 © 9 4 8 € \$ * 4 (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

Ans  1. 2

 2. 1

 3. 4

 4. 3

Q.4 126 people are standing in a row facing north. Mr. Into is 11th from the right end while Mr. Toni is 12th from the left end. How many people are there between Mr. Into and Mr. Toni?

Ans  1. 104

 2. 101

 3. 102

 4. 103

Q.5 Ram starts his journey from Point A. He then drives 4 km towards the west, turns left and drives 7 km. He then turns right and drives 5 km, again turns left and drives for 3 km. After that he turns left and drives for 12 km. He takes a final left turn, drives for 10 km and stops. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

Ans  1. 5 km towards the east

 2. 3 km towards the north

 3. 3 km towards the west

 4. 8 km towards the south

Q.6 What will come in the place of the question mark (?) in the following equation, '÷' and 'x' are interchanged and '-' and '+' are interchanged?
 $13 - 5 \div 5 \times 5 + 13 \times 13 - 9 \times 3 \div 3 - 108 = ?$

Ans  1. 90

 2. 129

 3. 110

 4. 134

Q.7 In a certain code language, 'VAST' is coded as '7892' and 'SAVE' is coded as '8629'. What is the code for 'E' in the given code language?

Ans  1. 2

 2. 9

 3. 6

 4. 8

Q.8 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans  1. LNH

 2. KNZ

 3. OQK

 4. TVP



Q.9 In a certain code language, 'WAVE' is coded as '3257' and 'VOLT' is coded as '1346'. What is the code for 'V' in the given code language?

- Ans
- ☐ 1. 1
 - ☐ 2. 7
 - ☒ 3. 3
 - ☐ 4. 5

Q.10 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow/s from the given statements.

Statements:

Some wigs are roses.
All roses are bugs.

Conclusions (I): Some wigs are bugs.

Conclusions (II): All bugs are roses.

- Ans
- ☐ 1. Both conclusions (I) and (II) follow.
 - ☐ 2. Neither conclusion (I) nor (II) follows.
 - ☒ 3. Only conclusion (I) follows.
 - ☐ 4. Only conclusion (II) follows.

Q.11 Seven boxes A, B, C, D, K, L and O are kept one over the other but not necessarily in the same order. No box is kept above B. Only three boxes are kept between B and C. Only one box is kept between D and L. L is kept immediately above C. Only four boxes are kept between D and K. A is kept at some place above O. Which box is kept second below A?

- Ans
- ☒ 1. C
 - ☐ 2. D
 - ☐ 3. O
 - ☐ 4. B

Q.12 If + means -, - means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$20 \div 55 \times 5 + 7 - 4 = ?$$

- Ans
- ☒ 1. 3
 - ☐ 2. 13
 - ☐ 3. 8
 - ☐ 4. 17

Q.13 UP 16 is related to TK 4 in a certain way. In the same way, YT 23 is related to XO 11. To which of the following is KG 13 related, following the same logic?

- Ans
- ☐ 1. IB 3
 - ☐ 2. JA 3
 - ☐ 3. IA 1
 - ☒ 4. JB 1

Q.14 In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

WISE - EWSI - WEIS
PLUS - SPUL - PSLU

- Ans
- ☐ 1. PAWN - NPWA - PANW
 - ☐ 2. PAGE - EPAG - AGEP
 - ☐ 3. DOSE - ODSE - EOSD
 - ☒ 4. BORN - NBRO - BNOR



Q.15 Seven people A, B, C, D, E, F and G are sitting in a row, facing north. No one sits to the left of G. Only four people sit between G and A. Only three people sit to the right of E. D sits to the immediate left of F. B is not an immediate neighbour of E. How many people sit to the right of C?

- Ans** ☒ 1. 2
☐ 2. 1
☐ 3. 3
☐ 4. 4

Q.16 Farooq ranked 28th from the top and 35th from the bottom in his class. How many students are there in his class?

- Ans** ☒ 1. 62
☐ 2. 60
☐ 3. 63
☐ 4. 61

Q.17 Qadir starts from Point A and drives 1 km towards East. He then takes a left turn, drives 3 km, turns left and drives 8 km. He then takes a left turn and drives 7 km. He takes a final left turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans** ☐ 1. 5 km to the North
☒ 2. 4 km to the North
☐ 3. 7 km to the West
☐ 4. 6 km to the West

Q.18 If 1 is subtracted from each odd digit of the number 95423671, then what will be the sum of the digits that are repeated more than once in the new number formed?

- Ans** ☐ 1. 10
☐ 2. 8
☐ 3. 6
☒ 4. 12

Q.19 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LXU -2 OTT 4 RPS -8 ? XHQ -32

- Ans** ☐ 1. FHT 15
☐ 2. VXL 19
☒ 3. ULR 16
☐ 4. PHR 13

Q.20 What should come in place of the question mark (?) in the given series?

1 2 4 7 11 ?

- Ans** ☐ 1. 15
☐ 2. 17
☐ 3. 18
☒ 4. 16



Q.21 Each of the digits in the number 3875269 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ 1. Three
 - ☐ 2. None
 - ☐ 3. Two
 - ☒ 4. One

Q.22 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. IEA
 - ☐ 2. XTQ
 - ☐ 3. RNK
 - ☐ 4. FBY

Q.23 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

QVO SRN ? WJL YFK

- Ans**
- ☐ 1. NHG
 - ☐ 2. VML
 - ☐ 3. MKL
 - ☒ 4. UNM

Q.24 This question is based on the five, three-digit numbers given below.
(Left) 284 517 639 741 425 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in descending order, the position(s) of how many numbers will remain unchanged as compared to that in the original number?

- Ans**
- ☒ 1. None
 - ☐ 2. Two
 - ☐ 3. Four
 - ☐ 4. Three

Q.25 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

LOCK – OLCK – LCKO
ACNE – CANE – ANEC

- Ans**
- ☐ 1. FROG – RFOG – ROGF
 - ☐ 2. OILS – IOLS – SILO
 - ☐ 3. HUNT – HNUT – TNUH
 - ☒ 4. BEAM – EBAM – BAME

Q.26 What should come in place of the question mark (?) in the given series?
57, 63, 71, 81, 93, ?

- Ans**
- ☐ 1. 170
 - ☐ 2. 105
 - ☐ 3. 154
 - ☒ 4. 107



Q.27 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
17, 153
31, 279

- Ans**
- ☒ 1. 43, 387
 - ☐ 2. 35, 326
 - ☐ 3. 22, 216
 - ☐ 4. 14, 122

Q.28 What should come in place of the question mark (?) in the given series?

12 21 38 79 160 ?

- Ans**
- ☐ 1. 291
 - ☐ 2. 279
 - ☒ 3. 297
 - ☐ 4. 219

Q.29 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. LG-JN
 - ☐ 2. JE-HL
 - ☐ 3. OJ-MQ
 - ☒ 4. GB-EJ

Q.30 L, M, N, O, Q, R and S are sitting around a circular table, facing the centre of the table. M sits fourth to the left of O. N is an immediate neighbour of O and R. S sits to the immediate left of R. Q is not an immediate neighbour of M. Who sits third to the right of L?

- Ans**
- ☐ 1. S
 - ☒ 2. R
 - ☐ 3. O
 - ☐ 4. M





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	01/09/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following steps allows you to create a new folder on the desktop in Windows?

- Ans**
- ☒ 1. Go to Task Manager
 - ☒ 2. Open Notepad
 - ☒ 3. Press Ctrl + Alt + Del
 - ☒ 4. Right-click → New → Folder

Q.2 During the colonial period, the manufacturing sector accounted for only _____.

- Ans**
- ☒ 1. 5%
 - ☒ 2. 1%
 - ☒ 3. 10%
 - ☒ 4. 16%

Q.3 Which schedule of the Citizenship Act, 1955, contains the qualifications for naturalisation?

- Ans**
- ☒ 1. Third Schedule
 - ☒ 2. First Schedule
 - ☒ 3. Second Schedule
 - ☒ 4. Tenth Schedule

Q.4 When was 'Operation Shield' conducted across India's border states and union territories?

- Ans**
- ☒ 1. 29 May 2025
 - ☒ 2. 31 May 2025
 - ☒ 3. 3 June 2025
 - ☒ 4. 7 May 2025

Q.5 Where will the 18th edition of Pravasi Bharatiya Divas (PBD) be held in 2025?

- Ans**
- ☒ 1. Bhubaneswar
 - ☒ 2. Mumbai
 - ☒ 3. New Delhi
 - ☒ 4. Chennai



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Q.6 According to the principle of collective responsibility in India's parliamentary system, a successful no-confidence motion against a single Union Minister requires which action?

- Ans**
- ☒ 1. The Lok Sabha is immediately dissolved.
 - ☒ 2. The entire Council of Ministers must resign.
 - ☒ 3. Only the targeted minister must resign.
 - ☒ 4. The President dismisses only the targeted minister.

Q.7 What is the name of ISRO's mission launched in January 2024 to study the polarisation of cosmic X-rays?

- Ans**
- ☒ 1. XPoSat
 - ☒ 2. Aditya-L1
 - ☒ 3. RISAT-1
 - ☒ 4. AstroSat

Q.8 In a chemical reaction, the substances that are initially present before the reaction starts are called ____.

- Ans**
- ☒ 1. reactants
 - ☒ 2. products
 - ☒ 3. intermediates
 - ☒ 4. catalysts

Q.9 Which of the following best describes the role of the Control Unit within the Central Processing Unit?

- Ans**
- ☒ 1. It displays the processed output to the user.
 - ☒ 2. It performs all mathematical and logical calculations.
 - ☒ 3. It directs and coordinates the activities of all components of the computer.
 - ☒ 4. It stores data and instructions temporarily during processing.

Q.10 Which of the following organisations was one of the co-organisers of the 14th Asian Fisheries and Aquaculture Forum (14AFAF) held from 12 to 15 February 2025 at Pusa Campus, New Delhi?

- Ans**
- ☒ 1. United Nations Environment Programme (UNEP)
 - ☒ 2. Food and Agriculture Organization (FAO)
 - ☒ 3. Asian Fisheries Society Indian Branch (AFSIB)
 - ☒ 4. World Health Organization (WHO)

Q.11 Which of the following substances constitutes the primary material of the "Mother Goddess" sculpture originating from the Indus Valley Civilisation?

- Ans**
- ☒ 1. Bronze
 - ☒ 2. Limestone
 - ☒ 3. Terracotta
 - ☒ 4. Steatite

Q.12 The Khelo India Youth Games 2025 was organised from which date to which date at different locations in Bihar?

- Ans**
- ☒ 1. 1 to 10 May 2025
 - ☒ 2. 4 to 18 May 2025
 - ☒ 3. 8 to 20 May 2025
 - ☒ 4. 4 to 15 May 2025



Q.13 If an RTI applicant is aggrieved by the Public Information Officer's decision (or lack of response), within how many days must the first appeal be filed under Section 19 of the RTI Act?

- Ans**
- ☐ 1. 15 days
 - ☐ 2. 90 days
 - ☒ 3. 30 days
 - ☐ 4. 60 days

Q.14 The Department of Financial Services (DFS) notified amalgamation of 26 Regional Rural Banks (RRBs) on the principles of 'One State One RRB' in which phase of amalgamation of RRBs in 2025?

- Ans**
- ☐ 1. Fifth
 - ☐ 2. Second
 - ☐ 3. Third
 - ☒ 4. Fourth

Q.15 Which system of land tenure prevalent before independence led to exploitation of farmers?

- Ans**
- ☐ 1. Mahalwari system
 - ☒ 2. Zamindari system
 - ☐ 3. Cooperative farming
 - ☐ 4. Ryotwari system

Q.16 During Shahjahan's rule, how many mansabdars out of 8000 were higher ranking mansabdars who received 61.5% of the total estimated revenue of the empire as salaries for themselves and their troopers?

- Ans**
- ☒ 1. 445
 - ☐ 2. 545
 - ☐ 3. 245
 - ☐ 4. 345

Q.17 Recipient of Padma Shri in 2025, Shri Onkar Singh Pahwa, is related to which cycle company of India?

- Ans**
- ☒ 1. Avon Cycles
 - ☐ 2. Hero Cycles
 - ☐ 3. Atlas Cycles
 - ☐ 4. Tata Stryder

Q.18 Which of the following places may receive an amount of rainfall in a single day that is equal to 10 years of rainfall at Jaisalmer?

- Ans**
- ☒ 1. Tura
 - ☐ 2. Leh
 - ☐ 3. Asansol
 - ☐ 4. Siliguri

Q.19 Urban transport infrastructure generally refers to the systems that facilitate the movement of people and goods within a city. Which of the following is NOT a part of urban transport infrastructure?

- Ans**
- ☒ 1. Water irrigation pipelines
 - ☐ 2. Public bus systems
 - ☐ 3. Metro rail networks
 - ☐ 4. Flyovers and expressways



Q.20 Which statutory body organised a two-day National Conference on ‘Environment – 2025’ at Vigyan Bhawan, New Delhi, in March 2025?

- Ans**
- ☐ 1. Central Ground Water Authority
 - ☐ 2. Central Pollution Control Board
 - ☐ 3. National Biodiversity Authority
 - ☒ 4. National Green Tribunal

Q.21 Who was the first Finance Minister of Independent India?

- Ans**
- ☐ 1. John Mathai
 - ☒ 2. R K Shanmugham Chetty
 - ☐ 3. Rafi Ahmed Kidwai
 - ☐ 4. Jairamdas Daulatram

Q.22 Which country signed a contract with India in April 2025 to supply 26 Rafale Marine fighter jets?

- Ans**
- ☐ 1. United Kingdom
 - ☒ 2. France
 - ☐ 3. United States
 - ☐ 4. Russia

Q.23 Who obtained the first accurate value of the speed of light using a rotating mirror apparatus in 1862?

- Ans**
- ☐ 1. Albert A Michelson
 - ☐ 2. Charles Wheatstone
 - ☒ 3. Jean Bernard Léon Foucault
 - ☐ 4. Marie Alfred Alen Cornu

Q.24 What is the theoretical value of the Stefan-Boltzmann constant (σ) which defines the power emitted per unit area by a black body as a function of its thermodynamic temperature?

- Ans**
- ☐ 1. $5.91 \times 10^{-7} \text{ Wm}^{-2}\text{K}^{-4}$
 - ☐ 2. $5.17 \times 10^{-9} \text{ Wm}^{-2}\text{K}^{-4}$
 - ☐ 3. $5.35 \times 10^{-10} \text{ Wm}^{-2}\text{K}^{-4}$
 - ☒ 4. $5.67 \times 10^{-8} \text{ Wm}^{-2}\text{K}^{-4}$

Q.25 Which Buddhist scripture explicitly states “All dhammas are without self,” affirming the doctrine of Anatta?

- Ans**
- ☒ 1. Dhammapada
 - ☐ 2. Kalpa Sutra
 - ☐ 3. Bhagavati Sutra
 - ☐ 4. Uttaradhyayana

Q.26 Which initiative, launched in 2025, aims to develop quantum-encrypted communication for tamper-proof defence networks in India?

- Ans**
- ☐ 1. SecureNet India
 - ☐ 2. National Cyber Security Mission
 - ☒ 3. National Quantum Mission
 - ☐ 4. Quantum Leap Program



Q.27 How does deforestation lead to desertification?

- Ans**
- ☐ 1. It increases humus in the soil.
 - ☒ 2. It removes the top fertile soil layer, exposing hard, rocky layers.
 - ☐ 3. It increases rainfall in dry regions.
 - ☐ 4. It reduces soil erosion.

Q.28 What is the most direct impact of poor infrastructure on rural education?

- Ans**
- ☐ 1. Poor mid-day meals
 - ☐ 2. Lack of trained teachers
 - ☒ 3. High student absenteeism
 - ☐ 4. Low awareness about schemes

Q.29 As of 2024, who among the following holds the national record in women's weightlifting (49 kg category) in India?

- Ans**
- ☐ 1. Sanjita Chanu
 - ☒ 2. Saikhom Mirabai Chanu
 - ☐ 3. Punam Yadav
 - ☐ 4. Karnam Malleswari

Q.30 Where was the 2025 Asia-Pacific Economic Cooperation (APEC) Sports Policy Network Roundtable Meeting & Forum held?

- Ans**
- ☒ 1. Japan
 - ☐ 2. South Korea
 - ☐ 3. China
 - ☐ 4. Australia

Q.31 What does the term 'halocline' refer to in oceanography?

- Ans**
- ☐ 1. A layer with a rapid change in pressure
 - ☒ 2. A layer with a rapid change in salinity
 - ☐ 3. A zone with the highest oxygen concentration
 - ☐ 4. A layer with a rapid change in temperature

Q.32 What does the term 'satyagraha' primarily mean in Gandhian philosophy for mass mobilisation and India's struggle for freedom during colonial rule?

- Ans**
- ☐ 1. Non-cooperation
 - ☒ 2. Truth-force
 - ☐ 3. Passive resistance
 - ☐ 4. Civil disobedience

Q.33 Which of the following was NOT a consequence of the Revolt of 1857?

- Ans**
- ☐ 1. Policies that favoured zamindars and landlords were struck down.
 - ☒ 2. Lands and properties of Muslims were confiscated en masse.
 - ☐ 3. The strength of Indian soldiers in the army was reduced.
 - ☐ 4. The Governor-General of India was given the title 'Viceroy'.

Q.34 Select the correct statement regarding the National Human Rights Commission (NHRC) of India.

- Ans**
- ☐ 1. It is a constitutional body formed by a Constitutional Amendment, with powers equal to the Supreme Court.
 - ☐ 2. The NHRC has direct powers to prosecute and punish public officials for human rights abuses.
 - ☒ 3. It was established in 1993 by an Act of Parliament to investigate and recommend on human rights violations.
 - ☐ 4. The Chairperson of the NHRC is the Prime Minister of India.



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Q.35 Employees' Provident Fund Organisation (EPFO) India, which added more than 7.5 lac new subscribers in the month of March 2025, comes under which ministry of Government of India?

- Ans**
- ☐ 1. Ministry of Statistics and Programme Implementation
 - ☐ 2. Ministry of Personnel, Public Grievances and Pensions
 - ☐ 3. Ministry of Finance
 - ☒ 4. Ministry of Labour and Employment

Q.36 Which tax was introduced in July 2017 to replace multiple indirect taxes in India as part of fiscal reforms?

- Ans**
- ☐ 1. Income Tax
 - ☐ 2. Excise Duty
 - ☒ 3. GST
 - ☐ 4. Sales Tax

Q.37 Which of the following options correctly lists the composition of the State Executive in India?

- Ans**
- ☒ 1. Governor, Chief Minister and Council of Ministers
 - ☐ 2. President, Governor and Chief Minister
 - ☐ 3. Governor, Deputy Minister and State Council of Advisors
 - ☐ 4. Governor, Chief Minister and State Legislative Assembly members

Q.38 The southern stretch of the Western Coast of India, sandwiched between the Western Ghats and the Arabian Sea, is referred to as the _____.

- Ans**
- ☒ 1. Malabar Coast
 - ☐ 2. Kathiawar Peninsula
 - ☐ 3. Kannad Plain
 - ☐ 4. Konkan

Q.39 Which region in France is home to the massive white hydrogen reserve discovered in 2025, which is a game-changer for clean energy?

- Ans**
- ☒ 1. Moselle
 - ☐ 2. Provence
 - ☐ 3. Normandy
 - ☐ 4. Brittany

Q.40 Which of the following space agencies successfully docked the SpaDeX satellite in January 2025?

- Ans**
- ☐ 1. National Aeronautics and Space Administration
 - ☒ 2. Indian Space Research Organisation
 - ☐ 3. European Space Agency
 - ☐ 4. China National Space Administration

Section : Mathematics

Q.1 Nikhil, Nidhi and Tejas invested ₹1,200, ₹1,070 and ₹1,310, respectively to start a business. If the profit at the end of the year is ₹1,790, what is Tejas's share of the profit?

- Ans**
- ☐ 1. ₹654
 - ☐ 2. ₹657
 - ☐ 3. ₹658
 - ☒ 4. ₹655



Q.2 If $X = \frac{(1 + \cos\theta)(2 - 2\cos\theta)}{(2 + 2\sin\theta)(1 - \sin\theta)}$, then the value of $X + \frac{1}{X} + 2$ is:

- Ans
- ☐ 1. $\cot^2\theta$
 - ☐ 2. $\cos^2\theta + \sec^2\theta$
 - ☐ 3. $\sec^2\theta \sin^2\theta$
 - ☒ 4. $\operatorname{cosec}^2\theta \sec^2\theta$

Q.3 A sum of money triples itself at a certain rate of compound interest in 17 years. In how many years will it amount to 81 times of itself?

- Ans
- ☒ 1. 68 years
 - ☐ 2. 59 years
 - ☐ 3. 58 years
 - ☐ 4. 64 years

Q.4 The value of $8^2 + \sqrt{3^2} - 2\sqrt{36} - 11$ is

- Ans
- ☐ 1. 38
 - ☐ 2. 50
 - ☐ 3. 51
 - ☒ 4. 44

Q.5 A shopkeeper offers the following discount scheme to his customers for the purchase of articles in his shop.
'Buy 20 and get 5 free'
Find the discount percentage offered.

- Ans
- ☐ 1. 25%
 - ☐ 2. 30%
 - ☒ 3. 20%
 - ☐ 4. 32%

Q.6 Find the value of x satisfying: $5(5x^2 - 5) - 5(5x^2 + 7x - 2) = 14$

- Ans
- ☒ 1. $-\frac{29}{35}$
 - ☐ 2. $-\frac{38}{35}$
 - ☐ 3. $-\frac{39}{35}$
 - ☐ 4. $-\frac{24}{35}$

Q.7 The LCM of the numbers 2.8 and 0.217 is:

- Ans
- ☐ 1. 0.868
 - ☐ 2. 8.68
 - ☐ 3. 868
 - ☒ 4. 86.8



Q.8 If 4 times a son's age is added to his father's age, the sum is 100 years. If 2.5 times the father's age is added to the son's age, the sum is 97 years. What is the father's age (in years)?

- Ans**
- ☒ 1. 31
 - ☒ 2. 32
 - ☒ 3. 36
 - ☒ 4. 30

Q.9 4 men can complete a piece of work in 12 days, while 8 women can do it in 15 days. In how many days can 3 women and 2 men complete this work?

- Ans**
- ☒ 1. 19 days
 - ☒ 2. 15 days
 - ☒ 3. 11 days
 - ☒ 4. 14 days

Q.10 Find the number of sides of a regular polygon, each of whose interior angles measures 162° .

- Ans**
- ☒ 1. 18
 - ☒ 2. 16
 - ☒ 3. 20
 - ☒ 4. 22

Q.11 The income of Raman is ₹80,200. He saves 7.5% of his income. If his income increases by 34% and expenditure increases by 40%, then his savings will:

- Ans**
- ☒ 1. increase by ₹2,403
 - ☒ 2. decrease by ₹2,406
 - ☒ 3. decrease by ₹2,404
 - ☒ 4. increase by ₹2,404

Q.12 Volumes of three cubes made of solid metal are 789 cm^3 , 865 cm^3 and 1721 cm^3 , respectively. After melting all the three, a solid cube was made of them. Find the length of the edge of the new cube.

- Ans**
- ☒ 1. 15 cm
 - ☒ 2. 25 cm
 - ☒ 3. 12 cm
 - ☒ 4. 14 cm

Q.13 Given that $81^{0.65} = x$, $81^{0.26} = y$ and $x^z = y^7$, then the value of z is close to:

- Ans**
- ☒ 1. 2.8
 - ☒ 2. 4.09
 - ☒ 3. 4.27
 - ☒ 4. 1.32

Q.14 A tradesman marks his goods at such a price that after allowing a discount of 30%, he still makes a profit of 10%. What is the marked price of an article (in ₹) whose cost price is ₹1,540?

- Ans**
- ☒ 1. 2,240
 - ☒ 2. 2,420
 - ☒ 3. 2,440
 - ☒ 4. 2,204



Q.15 A man driving a car at a speed of 48 km/hr crosses a bridge in 3.8 minutes. Find the length of the bridge.

- Ans**
- ☐ 1. 2.36 km
 - ☒ 2. 3.04 km
 - ☐ 3. 2.54 km
 - ☐ 4. 2.46 km

Q.16 I bought two shirts for ₹1,200. I sold the first one at a loss of 8% and the second at a gain of 24%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first shirt.

- Ans**
- ☐ 1. 924
 - ☐ 2. 884
 - ☒ 3. 900
 - ☐ 4. 920

Q.17 Find the volume of a sphere with diameter 12 cm.

- Ans**
- ☐ 1. $256\pi \text{ cm}^3$
 - ☒ 2. $288\pi \text{ cm}^3$
 - ☐ 3. $576\pi \text{ cm}^3$
 - ☐ 4. $905\pi \text{ cm}^3$

Q.18 The selling price of 20 books is equal to the cost price of 36 books. Find the loss or gain percentage.

- Ans**
- ☐ 1. $\frac{100}{16}\% \text{ loss}$
 - ☐ 2. 80% loss
 - ☒ 3. 80% gain
 - ☐ 4. $\frac{100}{16}\% \text{ gain}$

Q.19 The sum of two numbers is 44 and their L.C.M. is 459. What are the two numbers?

- Ans**
- ☐ 1. 20, 24
 - ☐ 2. 25, 19
 - ☒ 3. 27, 17
 - ☐ 4. 32, 12

Q.20 The average of first 147 odd natural numbers, is:

- Ans**
- ☐ 1. 146.5
 - ☒ 2. 147
 - ☐ 3. 148
 - ☐ 4. 147.5

Q.21 Ishaan has to reach Kolkata which is 843 km away in 11 hours. His starting speed for 4 hours was 34 km/hr. For the next 180 km his speed was 30 km/hr. By what speed he must travel now so as to reach Kolkata in the decided time of 11 hours?

- Ans**
- ☒ 1. 527 km/hr
 - ☐ 2. 523 km/hr
 - ☐ 3. 528 km/hr
 - ☐ 4. 530 km/hr



Q.22 The product of two positive numbers is 3645. If the first number is five times the second number, then the sum of the two numbers is:

- Ans
- ☐ 1. 173
 - ☐ 2. 164
 - ☒ 3. 162
 - ☐ 4. 172

Q.23 A can do a work in 9 days and B can do the same work in 19 days. If they work on it together for 6 days, then what fraction of the work is left?

- Ans
- ☐ 1. $\frac{10}{57}$
 - ☐ 2. $\frac{4}{57}$
 - ☐ 3. $\frac{7}{57}$
 - ☒ 4. $\frac{1}{57}$

Q.24 ₹35,600 were divided among A, B and C, such that 8 times of A = 3 times of B = 6 times of C. Find the share of A.

- Ans
- ☐ 1. ₹7,194
 - ☐ 2. ₹6,968
 - ☒ 3. ₹7,120
 - ☐ 4. ₹7,294

Q.25 Find the mean proportional of 324 and 16.

- Ans
- ☐ 1. 69
 - ☒ 2. 72
 - ☐ 3. 74
 - ☐ 4. 75

Q.26 The value of $\frac{5}{3} + \left(\frac{1}{1 + \frac{2}{7}} \right) - \frac{2}{3}$ is

- Ans
- ☒ 1. $\frac{16}{9}$
 - ☐ 2. $\frac{26}{17}$
 - ☐ 3. $\frac{12}{7}$
 - ☐ 4. $\frac{8}{13}$

Q.27 The number 481355 is divisible by which of the following?

- Ans
- ☐ 1. 3
 - ☐ 2. 15
 - ☐ 3. 6
 - ☒ 4. 5



Q.28 Find the simple interest (in ₹) if a sum of ₹400 is borrowed for 4.5 years at 16% per annum rate of interest.

- Ans**
- ☐ 1. 338
 - ☐ 2. 268
 - ☐ 3. 388
 - ☒ 4. 288

Q.29 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 74 kg and 38 kg is:

- Ans**
- ☐ 1. 52.4
 - ☐ 2. 50.4
 - ☒ 3. 51.4
 - ☐ 4. 53.4

Q.30 *By how much is 65% of 65 greater than $\frac{1}{5}$ of 55?*

- Ans**
- ☐ 1. 29.25
 - ☐ 2. 25.25
 - ☒ 3. 31.25
 - ☐ 4. 28.25

Section : General Intelligence and Reasoning

Q.1 In a certain code language, 'DRAG' is coded as '5824' and 'GRAM' is coded as '4592'. What is the code for 'M' in the given code language?

- Ans**
- ☐ 1. 4
 - ☒ 2. 9
 - ☐ 3. 2
 - ☐ 4. 5

Q.2 In a certain code language, 'EARS' is coded as '1357' and 'SOUP' is coded as '2146'. What is the code for 'S' in that language?

- Ans**
- ☐ 1. 6
 - ☐ 2. 2
 - ☒ 3. 1
 - ☐ 4. 7

Q.3 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TAW VCY XEA ZGC ?

- Ans**
- ☐ 1. BIQ
 - ☐ 2. BIX
 - ☒ 3. BIE
 - ☐ 4. BIP



Q.4 This question is based on the five, three-digit numbers given below.

(Left) 625 247 156 289 362 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans**
- ☒ 1. 8
 - ☒ 2. 7
 - ☒ 3. 10
 - ☒ 4. 12

Q.5 What will come in place of the question mark (?) in the following equation if '–' and '÷' are interchanged and '×' and '+' are interchanged?
 $19 + 40 - 8 \times 2 \div 1 = ?$

- Ans**
- ☒ 1. 96
 - ☒ 2. 98
 - ☒ 3. 99
 - ☒ 4. 97

Q.6 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. No box is kept above G. Only three boxes are kept between G and B. Only one box is kept between F and D. D is kept immediately above B. Only four boxes are kept between F and E. A is kept at some place above C. How many boxes are kept above B?

- Ans**
- ☒ 1. 4
 - ☒ 2. 3
 - ☒ 3. 2
 - ☒ 4. 1

Q.7 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. UX-ZS
 - ☒ 2. OR-TM
 - ☒ 3. LO-QI
 - ☒ 4. RU-WP

Q.8 What should come in place of the question mark (?) in the given series?

121 117.9 114.8 111.7 108.6 ?

- Ans**
- ☒ 1. 105.5
 - ☒ 2. 107.6
 - ☒ 3. 108.2
 - ☒ 4. 106

Q.9 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PKE 17 RIH 10 TGK 1 ? XCQ -23

- Ans**
- ☒ 1. VFN -8
 - ☒ 2. VEN -10
 - ☒ 3. VEM -10
 - ☒ 4. EFM -8



Q.10 Each of the digits in the number 4512689 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ 1. Three
 - ☐ 2. Two
 - ☐ 3. One
 - ☐ 4. None

Q.11 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) % € 9 2 5 * \$ € © @ % % 1 7 \$ * @ 6 7 3 & * (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans**
- ☐ 1. 5
 - ☐ 2. 4
 - ☒ 3. 3
 - ☐ 4. 2

Q.12 Seven boxes U, V, W, X, E, F and G are kept one over the other but not necessarily in the same order.

Only three boxes are kept above V. Only one box is kept between F and V. Only three boxes are kept between F and U. U is kept at some place above V. E is kept immediately below U. G is kept at one of the places above X. W is not kept immediately above or below F. Which box is kept at the lowermost position?

- Ans**
- ☐ 1. W
 - ☐ 2. U
 - ☒ 3. X
 - ☐ 4. F

Q.13 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some pants are sweaters.
Some sweaters are coats.

Conclusions:

(I) Some pants are coats.
(II) Some sweaters are pants.

- Ans**
- ☐ 1. Only conclusion (I) follows.
 - ☐ 2. Neither conclusion (I) nor (II) follows.
 - ☒ 3. Only conclusion (II) follows.
 - ☐ 4. Both conclusions (I) and (II) follow.

Q.14 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. LO-HJ
 - ☒ 2. FI-BC
 - ☐ 3. PS-LN
 - ☐ 4. IL-EG



Q.15 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. TW-VY
 - ☐ 2. RU-TW
 - ☐ 3. AD-CF
 - ☒ 4. EH-GK

Q.16 L, M, N, O, Q, R, and S are sitting around a circular table facing the centre of the table. S sits fourth to the left of O. R sits fourth to the right of M. Only two people sit between O and M when counted from the left of O. L is not an immediate neighbour of R or O. N is not an immediate neighbour of L. Who sits third to the right of Q?

- Ans
- ☐ 1. O
 - ☐ 2. S
 - ☒ 3. N
 - ☐ 4. L

Q.17 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

HAIR - AHIR - RIAH
MEAN - EMAN - NAEM

- Ans
- ☐ 1. WANT - AWNT - TANW
 - ☐ 2. LOCK - OLCK - OCKL
 - ☐ 3. BOND - BNOD - DNOB
 - ☒ 4. DUST - UDST - TSUD

Q.18 H, I, J, K, U, V and W are sitting around a circular table facing the centre of the table. Only I sits between V and H. H sits third to the left of K. W sits to the immediate left of K. J is not an immediate neighbour of H. Who sits fourth to the left of U?

- Ans
- ☐ 1. H
 - ☒ 2. J
 - ☐ 3. W
 - ☐ 4. V

Q.19 In a certain code language,
A \$ B means 'A is the mother of B',
A + B means 'A is the brother of B',
A @ B means 'A is the wife of B',
and A ÷ B means 'A is the father of B'.

How is E related to N if 'E @ F ÷ G \$ M + N'?

- Ans
- ☒ 1. Mother's mother
 - ☐ 2. Mother's sister
 - ☐ 3. Mother's father
 - ☐ 4. Mother's brother

Q.20 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$56 \times 8 - 13 \div 3 + 11 = ?$$

- Ans
- ☐ 1. 33
 - ☐ 2. 34
 - ☐ 3. 32
 - ☒ 4. 35



Q.21 Which of the given numbers will replace the question mark (?) in the following series to make it logically complete?

235 246 268 301 345 ?

- Ans**
- ☒ 1. 401
 - ☒ 2. 400
 - ☒ 3. 410
 - ☒ 4. 445

Q.22 Raj ranked 44th from the top and 15th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 57
 - ☒ 2. 59
 - ☒ 3. 56
 - ☒ 4. 58

Q.23 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

All Tractors are Buses.

No Buses are Trucks.

Conclusions:

I. No Trucks are Tractors.

II. Some Trucks are Tractors.

- Ans**
- ☒ 1. Only conclusion (I) follows.
 - ☒ 2. Both conclusions (I) and (II) follow.
 - ☒ 3. Only conclusion (II) follows.
 - ☒ 4. Neither conclusion (I) nor (II) follows.

Q.24 What should come in place of the question mark (?) in the given series?

1 2 4 8 10 20 22 ?

- Ans**
- ☒ 1. 44
 - ☒ 2. 42
 - ☒ 3. 26
 - ☒ 4. 24

Q.25 Shreyas starts from Point A and drives 9 km towards the north. He then takes a left turn and drives 6 km, then turns left and drives 13 km. He then takes a left turn and drives 12 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 6 km to the west
 - ☒ 2. 5 km to the east
 - ☒ 3. 5 km to the west
 - ☒ 4. 6 km to the east

Q.26 NWLF is related to RZHC in a certain way based on the English alphabetical order. In the same way, VCDZ is related to ZFZW. To which of the following is DIVT related, following the same logic?

- Ans**
- ☒ 1. HMSP
 - ☒ 2. GKSP
 - ☒ 3. IMRP
 - ☒ 4. HLRQ



Q.27 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$7 - 4 + 15 \div 52 \times 13 = ?$$

- Ans**
- ☐ 1. 12
 - ☐ 2. 23
 - ☐ 3. 28
 - ☒ 4. 17

Q.28 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
61, 127
52, 109

- Ans**
- ☐ 1. 47, 325
 - ☒ 2. 83, 171
 - ☐ 3. 93, 196
 - ☐ 4. 63, 112

Q.29 Anil starts from Point A and drives 7 km towards the south. He then takes a right turn, drives 5 km, turns right and drives 2 km. He then takes a right turn and drives 9 km. He takes a final left turn, drives 5 km and stops at Point F. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 4 km towards the west
 - ☐ 2. 3 km towards the east
 - ☐ 3. 3 km towards the west
 - ☐ 4. 4 km towards the east

Q.30 GWSK is related to CTOH in a certain way based on the English alphabetical order. In the same way, YQKE is related to UNGB. To which of the given options is QKCY related, following the same logic?

- Ans**
- ☐ 1. LGYW
 - ☐ 2. OHZV
 - ☐ 3. NGXU
 - ☒ 4. MHYV





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	02/09/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following sectors was the primary focus of India's First Five-Year Plan (1951–56)?

- Ans**
- ☒ 1. Industry and Infrastructure
 - ☒ 2. Defence and Security
 - ☒ 3. Services and Education
 - ☒ 4. Agriculture and Irrigation

Q.2 Which year was the Pradhan Mantri Jan Dhan Yojana launched?

- Ans**
- ☒ 1. 2014
 - ☒ 2. 2013
 - ☒ 3. 2016
 - ☒ 4. 2015

Q.3 Which Indian university showcased India's first fully automated vegetable sapling transplanter at the Ente Keralam exhibition, held in May 2025 at Marine Drive, Kochi, as part of the Kerala government's fourth-anniversary celebrations?

- Ans**
- ☒ 1. Indian Institute of Science (IISc), Bengaluru
 - ☒ 2. Cochin University of Science and Technology (Cusat)
 - ☒ 3. Indian Institute of Technology Madras (IIT-M)
 - ☒ 4. Kerala Agricultural University

Q.4 Which of the following local winds is known to bring rain to Tamil Nadu during winter?

- Ans**
- ☒ 1. Northeast monsoon
 - ☒ 2. Jet stream
 - ☒ 3. Southwest monsoon
 - ☒ 4. Nor'wester

Q.5 Which fault in the Peninsular Plateau is known for recurrent seismic activity?

- Ans**
- ☒ 1. Vindhya Fault
 - ☒ 2. Malda Fault
 - ☒ 3. Bhima Fault
 - ☒ 4. Narmada Fault



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Q.6	At the 2025 International Table Tennis Federation (ITTF) World Table Tennis Championships Finals held in Doha, who emerged as the men's singles champion?	
Ans	✗ 1. Ma Long	
	✓ 2. Wang Chuqin	
	✗ 3. Fan Zhendong	
	✗ 4. Lin Gaoyuan	
Q.7	Which reform movement in Kerala focused on the upliftment of the backward castes through education and social equality?	
Ans	✗ 1. Kayastha Sabha	
	✗ 2. Singh Sabha	
	✗ 3. Arya Samaj	
	✓ 4. SNDP Sabha	
Q.8	Which of the following minerals is essential for oxygen transport in the blood?	
Ans	✗ 1. Calcium	
	✗ 2. Zinc	
	✓ 3. Iron	
	✗ 4. Magnesium	
Q.9	Which authority can dissolve the Council of Ministers at the state level?	
Ans	✗ 1. Prime Minister	
	✗ 2. President	
	✗ 3. High Court	
	✓ 4. Governor	
Q.10	Who among the following laid the foundation stone of Indira Gandhi Rashtriya Uran Akademi, commonly called IGRUA, in 1985?	
Ans	✓ 1. Rajiv Gandhi	
	✗ 2. Gulzari Lal Nanda	
	✗ 3. Jawaharlal Nehru	
	✗ 4. Morarji Desai	
Q.11	Which of the following government initiatives was launched in 1973 to conserve a key apex predator and its ecosystem in India?	
Ans	✗ 1. Project Rhino	
	✗ 2. Project Elephant	
	✓ 3. Project Tiger	
	✗ 4. Project Asiatic Lion	
Q.12	The energy produced by using the heat from the Earth's interior is called:	
Ans	✗ 1. Biomass energy	
	✗ 2. Tidal energy	
	✓ 3. Geothermal energy	
	✗ 4. Solar energy	



Q.13	Which of the following metals is used as a catalyst in the Haber process for ammonia synthesis?	
Ans	☒ 1. Platinum	
	☒ 2. Nickel	
	☒ 3. Copper	
	☒ 4. Iron	
Q.14	Which of the following Articles deals with the rights of citizenship at the commencement of the Indian Constitution?	
Ans	☒ 1. Article 7	
	☒ 2. Article 10	
	☒ 3. Article 11	
	☒ 4. Article 5	
Q.15	On which date did Prime Minister Shri Narendra Modi inaugurate the WAVES 2025, India's first-of-its-kind World Audio Visual and Entertainment Summit, held at Mumbai?	
Ans	☒ 1. 20 April 2025	
	☒ 2. 1 May 2025	
	☒ 3. 1 April 2025	
	☒ 4. 4 May 2025	
Q.16	In April 2025, the Supreme Court reinterpreted which Article of the Constitution to direct amendment in KYC digital norms to ensure access for 'persons with disabilities'?	
Ans	☒ 1. Article 14	
	☒ 2. Article 21	
	☒ 3. Article 25	
	☒ 4. Article 30	
Q.17	Which of the following Ministries is responsible for granting Indian citizenship by naturalisation?	
Ans	☒ 1. Ministry of Law and Justice	
	☒ 2. Ministry of Parliamentary Affairs	
	☒ 3. Ministry of External Affairs	
	☒ 4. Ministry of Home Affairs	
Q.18	Who was appointed as the Director General of Defence Estates (DGDE) in June 2025?	
Ans	☒ 1. Shailendra Nath Gupta	
	☒ 2. Vikram Singh Rathore	
	☒ 3. Anil Choudhary	
	☒ 4. Rajesh Kumar Singh	
Q.19	Following the Pahalgam attack in April 2025, India suspended which treaty with Pakistan?	
Ans	☒ 1. Indus Waters Treaty	
	☒ 2. Tashkent Agreement	
	☒ 3. Simla Agreement	
	☒ 4. Lahore Treaty	



Q.20	What is the name of the first indigenously designed and built Anti-Submarine Warfare Shallow Water Craft (ASW-SWC) inducted into the Indian Navy in May 2025?	
Ans	☒ 1. INS Tushil	
	☒ 2. INS Arighaat	
	☒ 3. INS Arnala	
	☒ 4. INS Garuda	
Q.21	Rapid industrialisation was a hallmark of India's early planning efforts. Which Five-Year Plan laid the foundation for India's public sector steel plants?	
Ans	☒ 1. First Plan	
	☒ 2. Fifth Plan	
	☒ 3. Fourth Plan	
	☒ 4. Second Plan	
Q.22	Which of the following is NOT a role of the President of India?	
Ans	☒ 1. Passing bills into laws	
	☒ 2. Appointing the Prime Minister	
	☒ 3. Summoning and dissolving the Parliament	
	☒ 4. Conducting elections	
Q.23	Which of the following is the genome-edited rice varieties launched by India in 2025?	
Ans	☒ 1. Basmati Gold	
	☒ 2. Super Rice 21	
	☒ 3. DRR Rice 100	
	☒ 4. Shakti Rice	
Q.24	The 2025 edition of the Sheila Bharat Ram Theatre Festival took place at which of the following locations?	
Ans	☒ 1. Kamani Auditorium, Delhi	
	☒ 2. India Habitat Centre, Delhi	
	☒ 3. National School of Drama, Delhi	
	☒ 4. Shri Ram Centre of Performing Arts, Delhi	
Q.25	What is the correct way to copy a file or folder using the Drag and Drop method?	
Ans	☒ 1. Select the file → Press Ctrl + C → Drop it into the Recycle Bin	
	☒ 2. Select the file in the right pane → Drag it to a folder in the left pane → Drop it there	
	☒ 3. Right-click the file → Drag it to the desktop → Press Delete	
	☒ 4. Double-click the file → Drag it back into the same folder	
Q.26	Which institute of Indian Council of Agricultural Research (ICAR) developed India's first genome-edited rice variety DRR Rice 100 (Kamla)?	
Ans	☒ 1. ICAR-Indian Institute of Rice Research, Hyderabad	
	☒ 2. ICAR-Indian Agricultural Research Institute, New Delhi	
	☒ 3. ICAR-Central Institute of Agricultural Engineering, Bhopal	
	☒ 4. ICAR-National Rice Research Institute (NRII), Cuttack	
Q.27	Which of the following is the conjugate base of HCl?	
Ans	☒ 1. OH ⁻	
	☒ 2. H ₃ O ⁺	
	☒ 3. Cl ⁻	
	☒ 4. Cl ⁺	



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Q.28	Land revenue systems under British rule varied regionally. Which land revenue system was primarily followed in Bombay and Madras Presidencies?	
Ans	✓ 1. Ryotwari	
	✗ 2. Mahalwari	
	✗ 3. Jagirdari	
	✗ 4. Zamindari	
Q.29	Who was the first Portuguese governor in India, sent in 1505 to establish naval supremacy?	
Ans	✗ 1. Albuquerque	
	✗ 2. Nino-da-Cunha	
	✗ 3. De Souza	
	✓ 4. De Almeida	
Q.30	When was the Gurjara Pratihara dynasty founded by Nagabhata I in the region of Malwa?	
Ans	✗ 1. 6 th century	
	✗ 2. 10 th century	
	✗ 3. 12 th century	
	✓ 4. 8 th century	
Q.31	How can you permanently delete a file in MS Windows so that it DOES NOT go to the Recycle Bin?	
Ans	✓ 1. Right-click on the file and press 'Shift + Delete'	
	✗ 2. Right-click on the file and Press Ctrl + D	
	✗ 3. Drag the file to the Recycle Bin	
	✗ 4. Right-click on the file and select 'Delete'	
Q.32	Who was honoured with the Humanitarian Award at the 72 nd Miss World Festival, held in May 2025, for philanthropic work during the Covid pandemic?	
Ans	✗ 1. Akshay Kumar	
	✓ 2. Sonu Sood	
	✗ 3. Amitabh Bachchan	
	✗ 4. Shah Rukh Khan	
Q.33	Who assumed charge as the 18 th Commander-in-Chief of the Andaman & Nicobar Command (CINCAN) on 1 June 2025?	
Ans	✗ 1. Lt General Rajesh Mehta	
	✗ 2. Lt General Vijay Kumar Singh	
	✗ 3. Lt General Anil Chatterjee	
	✓ 4. Lt General Dinesh Singh Rana	
Q.34	Which of the following classical theatre forms is associated with Karnataka and features dance-drama with colourful costumes?	
Ans	✗ 1. Bhavai	
	✗ 2. Jatra	
	✓ 3. Yakshagana	
	✗ 4. Kathakali	



Q.35	What is the name of the herbal cream developed by CSIR-CIMAP for treating psoriasis released in May 2025?	
Ans	☐ 1. Herbaloid	
	☐ 2. DermaHerb	
	☒ 3. PsoriaCIM	
	☐ 4. SkinCure	

Q.36	Which of the following was the biggest armed resistance to colonialism in the 19 th century in India?	
Ans	☒ 1. Sepoy Mutiny	
	☐ 2. First Anglo-Maratha War	
	☐ 3. Quit India Movement	
	☐ 4. Battle of Buxar	

Q.37	Among which of the following powers did the 'Tripartite Struggle' take place during the 8 th and 9 th centuries?	
Ans	☐ 1. Cholas, Chalukyas and Satavahanas	
	☐ 2. Pandyas, Pallavas and Cholas	
	☐ 3. Rashtrakutas, Cholas and Vardhanas	
	☒ 4. Palas, Pratiharas and Rashtrakutas	

Q.38	In 2025, India assumed the chairmanship of which international body focused on productivity and sustainability during a meeting held in Jakarta?	
Ans	☐ 1. Asia-Pacific Economic Cooperation (APEC) for the 2025–26 term	
	☐ 2. ASEAN Council for Economic Growth (ACEG) for a two-year term	
	☒ 3. Asian Productivity Organisation (APO) for the 2025–26 term	
	☐ 4. South Asian Association for Productivity (SAAP) till the 2026 term	

Q.39	Which gas was least abundant in the early atmosphere?	
Ans	☐ 1. Water vapour	
	☒ 2. Free oxygen	
	☐ 3. Carbon dioxide	
	☐ 4. Nitrogen	

Q.40	What was the official mascot of the 2025 National Games?	
Ans	☐ 1. Tejaswini	
	☒ 2. Mauli	
	☐ 3. Gajasimha	
	☐ 4. Shikhar	

Section : Mathematics

Q.1	A hollow spherical shell is made of a metal of density 40 g/cm ³ . Its internal and external radii are 1 cm and 4 cm, respectively. What is the mass (in kg) of the shell? (Take $\pi = \frac{22}{7}$.)	
Ans	☐ 1. 11.65	
	☐ 2. 12.35	
	☐ 3. 7.56	
	☒ 4. 10.56	



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Q.2	An amount of ₹936 is divided among three persons in the ratio of 2 : 4 : 3. The difference between the largest and the smallest shares (in ₹) in the distribution is:	
Ans	☒ 1. 235	
	☒ 2. 132	
	☒ 3. 151	
	☒ 4. 208	
Q.3	By how much is 65% of 75 greater than $\frac{3}{5}$ of 15?	
Ans	☒ 1. 33.75	
	☒ 2. 37.75	
	☒ 3. 39.75	
	☒ 4. 36.75	
Q.4	The distance between two electric poles of length 25 metres and 36 metres is x metres. If the two angles of elevation of their respective top from the bottom of the other are complementary to each other, then the value of x (in metres) is:	
Ans	☒ 1. 28	
	☒ 2. 30	
	☒ 3. 26	
	☒ 4. 32	
Q.5	A supplier offers a trade discount of 20% on a product priced at ₹5,000. Additionally, there is a scheme discount of 10% on the already discounted price. What is the final price of the product after both discounts?	
Ans	☒ 1. ₹3,800	
	☒ 2. ₹4,000	
	☒ 3. ₹4,500	
	☒ 4. ₹3,600	
Q.6	If the third proportional of 9 and 30 be x, then what is the value of x?	
Ans	☒ 1. 101	
	☒ 2. 102	
	☒ 3. 99	
	☒ 4. 100	
Q.7	Zeeshan travels 252 km at 63 km/hr, the next 150 km at 30 km/hr and the next 680 km at 68 km/hr. What is his average speed (in km/hr, rounded off to two decimal places) for the whole journey?	
Ans	☒ 1. 58.05	
	☒ 2. 62.09	
	☒ 3. 54.95	
	☒ 4. 56.95	
Q.8	What is the difference between a single discount of 48% on ₹1,450 and two successive discounts of 10% and 40% on the same amount?	
Ans	☒ 1. ₹28	
	☒ 2. ₹29	
	☒ 3. ₹32	
	☒ 4. ₹31	



Q.9	Simplify: $4\left(\left(\frac{3}{4}\right)x^2 - 25x + 17\right) - 3(x^2 + 8x - 13)$.	
Ans	☒ 1. $124x - 107$	
	☒ 2. $124x + 107$	
	☒ 3. $-124x - 107$	
	☒ 4. $-124x + 107$	
Q.10	Shahid and Mira have to travel from Delhi to Kanpur in their respective cars. Shahid is driving at 42 km/hr while Mira is driving at 98 km/hr. Find the time taken by Mira to reach Kanpur if Shahid takes 14 hours.	
Ans	☒ 1. 5 hours	
	☒ 2. 2 hours	
	☒ 3. 6 hours	
	☒ 4. 12 hours	
Q.11	A sum of ₹400 amounts to ₹529 in 2 years at a certain rate of interest per annum, compounded annually. The rate of interest per annum is:	
Ans	☒ 1. 11%	
	☒ 2. 15%	
	☒ 3. 18%	
	☒ 4. 16%	
Q.12	A trader claims to sell flour at a profit of 58%, but also dishonestly uses a weight which is 8% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)	
Ans	☒ 1. 71%	
	☒ 2. 76%	
	☒ 3. 72%	
	☒ 4. 74%	
Q.13	The product of two positive numbers is 80. If the first number is five times of the second number, then the sum of the two numbers is:	
Ans	☒ 1. 29	
	☒ 2. 24	
	☒ 3. 33	
	☒ 4. 27	
Q.14	The LCM of the numbers 15.4 and 0.006 is:	
Ans	☒ 1. 4.62	
	☒ 2. 46.2	
	☒ 3. 462	
	☒ 4. 0.462	
Q.15	Find the simple interest (in ₹) if a sum of ₹400 is borrowed for 3.5 years at 16% per annum rate of interest.	
Ans	☒ 1. 324	
	☒ 2. 274	
	☒ 3. 224	
	☒ 4. 204	



Q.16	Find the value of: $[480 \div \{12 + 2 \times (4 - 9)\}]$.
Ans	☒ 1. 241
	☒ 2. 240
	☒ 3. 242
	☒ 4. 243
Q.17	3 years ago, the age of a father was 18 years more than twice his son's age. After how many years, from now, will he be twice his son's age?
Ans	☒ 1. 17
	☒ 2. 11
	☒ 3. 13
	☒ 4. 15
Q.18	Evaluate: $(-9) - (-60) \div (-10) + (-4) \times 6$
Ans	☒ 1. -39
	☒ 2. -38
	☒ 3. -42
	☒ 4. -41
Q.19	A can lay railway track between two given stations in 19 days and B can do the same job in 11 days. With the help of C, they did the job in 3 days only. Then, C alone can do the job in
Ans	☒ 1. $3\frac{32}{119}$ days
	☒ 2. $8\frac{32}{119}$ days
	☒ 3. $5\frac{32}{119}$ days
	☒ 4. $6\frac{32}{119}$ days
Q.20	The current population of a town is 12,800. It increases by 25% and 35% in two successive years but decreases by 5% in the third year. What is the population of the town at the end of the third year?
Ans	☒ 1. 20,520
	☒ 2. 20,525
	☒ 3. 20,515
	☒ 4. 20,517
Q.21	The HCF and the LCM of two numbers are 11 and 330, respectively. If one of the numbers is 66, find the other one.
Ans	☒ 1. 44
	☒ 2. 55
	☒ 3. 66
	☒ 4. 121



Q.22	Pipe P can fill $\frac{3}{8}$ part of a tank in 21 hours and pipe Q can fill $\frac{2}{7}$ part of the same tank in 16 hours. Both P and Q were kept open for 2 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 3 hours. Pipes P, Q and R together can fill the empty tank in:	
Ans	☒ 1. 94 hours	
	☒ 2. 89 hours	
	☒ 3. 67 hours	
	☒ 4. 84 hours	
Q.23	One side of a right-angled triangle is twice the other and the hypotenuse is 15 cm. Find the area (in cm ²) of the triangle.	
Ans	☒ 1. 70	
	☒ 2. 60	
	☒ 3. 45	
	☒ 4. 80	
Q.24	The value of $\frac{5}{3} + \left(\frac{1}{1 + \frac{5}{6}} \right) - \frac{5}{3}$ is	
Ans	☒ 1. $\frac{7}{13}$	
	☒ 2. $\frac{6}{11}$	
	☒ 3. $\frac{5}{18}$	
	☒ 4. $\frac{11}{18}$	
Q.25	The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 76 kg and 38 kg is:	
Ans	☒ 1. 52.8	
	☒ 2. 50.8	
	☒ 3. 53.8	
	☒ 4. 51.8	
Q.26	M and N started a business. M invested ₹50,000 more than N for 3 months, while N invested for 7 months. M's share is ₹328 more than that of N, out of a total profit of ₹4,920. Find the capital contributed by M.	
Ans	☒ 1. ₹1,20,000	
	☒ 2. ₹1,00,000	
	☒ 3. ₹80,000	
	☒ 4. ₹60,000	
Q.27	50 glass bottles were purchased for ₹50, and 28 glass bottles broke in transit. The trader sold the remaining glass bottles at ₹5.80 each. Find his profit.	
Ans	☒ 1. ₹68.50	
	☒ 2. ₹76.60	
	☒ 3. ₹75.30	
	☒ 4. ₹77.60	



Q.28	The average runs scored by a batsman in 23 matches is 42. In the next 10 matches, the batsman scored an average of 13 runs. Find his average runs scored (rounded off to two decimals) in all the 33 matches.
Ans	☒ 1. 35.21
	☒ 2. 34.21
	☒ 3. 33.21
	☒ 4. 32.21

Q.29	The value of $\frac{4}{5} + \left(\frac{1}{1 + \frac{5}{6}} \right) - \frac{2}{5}$ is
Ans	☒ 1. $\frac{52}{55}$
	☒ 2. $\frac{57}{49}$
	☒ 3. $\frac{51}{61}$
	☒ 4. $\frac{43}{53}$

Q.30	The difference between an interior angle and exterior angle of a regular polygon is 120° . Find the number of sides of the polygon.
Ans	☒ 1. 15
	☒ 2. 12
	☒ 3. 14
	☒ 4. 10

Section : General Intelligence and Reasoning

Q.1	FKPX is related to IPSC in a certain way based on the English alphabetical order. In the same way, REBR is related to UJEW. To which of the following options is ATKG related, following the same logic?
Ans	☒ 1. DFRT
	☒ 2. DYLN
	☒ 3. DLNY
	☒ 4. DYNL

Q.2	Navneet starts from Point Y and drives 10 km towards west. He then takes a right turn, drives 18 km. He then turns right and drives 10 km. He takes a final right turn, drives 15 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified)
Ans	☒ 1. 3 km towards south
	☒ 2. 10 km towards north
	☒ 3. 4 km towards east
	☒ 4. 6 km towards west

Q.3	In a certain code language, 'CLAM' is coded as '1587' and 'LOAM' is coded as '4875'. What is the code for 'O' in that language?
Ans	☒ 1. 4
	☒ 2. 5
	☒ 3. 7
	☒ 4. 8



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Q.4	Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)	
Ans	☒ 1. HKO	
	☒ 2. DGK	
	☒ 3. ORW	
	☒ 4. BEI	
Q.5	If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation? $12 - 2 + 49 \times 7 \div 5 = ?$	
Ans	☒ 1. 22	
	☒ 2. 27	
	☒ 3. 12	
	☒ 4. 17	
Q.6	Seven boxes U, V, W, X, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept below X. Only two boxes are kept between X and W. Only E is kept above V. H is kept at some place below G and at some place above U. Which box is kept at second position from the bottom?	
Ans	☒ 1. X	
	☒ 2. G	
	☒ 3. U	
	☒ 4. W	
Q.7	FRUZ is related to JUYC in a certain way based on the English alphabetical order. In the same way, VDKL is related to ZGOO. To which of the given options is HMWU related, following the same logic?	
Ans	☒ 1. LPAX	
	☒ 2. XPLA	
	☒ 3. LPXA	
	☒ 4. XAPL	
Q.8	What should come in place of the question mark (?) in the given series based on the English alphabetical order? JUO UFZ FQK QBV ?	
Ans	☒ 1. BGM	
	☒ 2. BMG	
	☒ 3. BYG	
	☒ 4. BGY	
Q.9	If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation? $11 \text{ B } 3 \text{ C } 20 \text{ D } 93 \text{ A } 3 = ?$	
Ans	☒ 1. 2	
	☒ 2. 9	
	☒ 3. 15	
	☒ 4. 22	



Q.10	What should come in place of the question mark (?) in the given series? 510 511 519 546 610 ?	
Ans	✓ 1. 735	
	✗ 2. 695	
	✗ 3. 755	
	✗ 4. 715	
Q.11	Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s). Statements: All candles are waxes. No candle is a tubelight. Conclusions: (I) Some tubelights are waxes. (II) All waxes are tubelights.	
Ans	✗ 1. Both conclusions (I) and (II) follow.	
	✗ 2. Only conclusion (I) follows.	
	✗ 3. Only conclusion (II) follows.	
	✓ 4. Neither conclusion (I) nor (II) follows.	
Q.12	A, B, C, D, E, F and G are sitting around a circular table facing the centre. F sits to the immediate right of G. B sits third to the left of G. A is the immediate neighbour of D and G. C sits second to the left of B. How many people sit between E and D when counted from the left of D?	
Ans	✓ 1. One	
	✗ 2. Four	
	✗ 3. Two	
	✗ 4. Three	
Q.13	This question is based on the five, three-digit numbers given below. (Left) 984 673 543 126 341 (Right) (Example- 697 – First digit = 6, second digit = 9 and third digit = 7) (NOTE: All operations to be done from left to right.) If all the numbers are arranged in descending order, the position(s) of how many numbers will remain unchanged?	
Ans	✗ 1. 4	
	✗ 2. 1	
	✓ 3. 3	
	✗ 4. 2	
Q.14	Kishori ranked 15 th from the bottom and 26 th from the top in her class. How many students are there in her class?	
Ans	✓ 1. 40	
	✗ 2. 38	
	✗ 3. 39	
	✗ 4. 37	



Q.15	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? JCV 13, MFY 25, PIB 49, SLE 97, VOH 193, ?
Ans	☒ 1. YRK 385 ☐ 2. URK 385 ☐ 3. YOK 385 ☐ 4. YRK 383

Q.16	Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. No box is kept above F. Only three boxes are kept between F and E. Only one box is kept between G and C. C is kept immediately above E. Only four boxes are kept between G and A. B is kept at some place above D. How many boxes are kept above E?
Ans	☐ 1. Two ☒ 2. Four ☐ 3. One ☐ 4. Three

Q.17	What should come in place of the question mark (?) in the given series? 7 , 16 , 30 , 49 , 73 , ?
Ans	☐ 1. 105 ☐ 2. 104 ☐ 3. 103 ☒ 4. 102

Q.18	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)
Ans	☐ 1. HL-OF ☒ 2. CG-JB ☐ 3. KO-RI ☐ 4. EI-LC

Q.19	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)
Ans	☐ 1. AE-DH ☐ 2. KO-NR ☒ 3. HL-JQ ☐ 4. LP-OS

Q.20	This question is based on the five, three-digit numbers given below. (Left) 458 294 680 183 297 (Right) (Example- 697 – First digit = 6, second digit = 9 and third digit = 7) (NOTE: All operations to be done from left to right.) If all the numbers are arranged in ascending order, the position of how many numbers will remain unchanged?
Ans	☐ 1. None ☐ 2. Four ☐ 3. Two ☒ 4. One



Q.21	In a certain code language, 'MALT' is coded as '1264' and 'PALM' is coded as '4521'. What is the code for 'P' in that language?	
Ans	☒ 1. 4	
	☒ 2. 2	
	☒ 3. 5	
	☒ 4. 1	
Q.22	JFCK is related to HDAI in a certain way based on the English alphabetical order. In the same way, MIFN is related to KGDL. To which of the given options is PLIQ related, following the same logic?	
Ans	☒ 1. JNOG	
	☒ 2. JNGO	
	☒ 3. NJOG	
	☒ 4. NJGO	
Q.23	If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation? 6 B 7 D 84 A 3 C 15 = ?	
Ans	☒ 1. 32	
	☒ 2. 42	
	☒ 3. 36	
	☒ 4. 29	
Q.24	In a certain code language, A \$ B means 'A is the mother of B', A + B means 'A is the brother of B', A @ B means 'A is the wife of B', and A ÷ B means 'A is the father of B'. How is E related to N if 'E @ F ÷ G + M \$ N'?	
Ans	☒ 1. Mother's mother	
	☒ 2. Mother's father	
	☒ 3. Mother's brother	
	☒ 4. Mother's sister	
Q.25	What should come in place of the question mark (?) in the given series? 26 40 55 71 ? 106	
Ans	☒ 1. 88	
	☒ 2. 98	
	☒ 3. 104	
	☒ 4. 92	
Q.26	Seven people, F, G, H, I, J, K and R, are sitting around a circular table facing the centre of the table. I sits third to the left of J. R sits second to the left of G. Only J sits between H and R. F is not an immediate neighbour of I. How many people sit between K and R when counted from the right of K?	
Ans	☒ 1. One	
	☒ 2. Four	
	☒ 3. Two	
	☒ 4. Three	



Q.27	In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 19, 33 17, 29	
Ans	✗ 1. 26, 43 ✗ 2. 23, 40 ✓ 3. 24, 43 ✗ 4. 22, 38	
Q.28	Each of the digits in the number 8237519 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?	
Ans	✗ 1. 9 ✓ 2. 10 ✗ 3. 8 ✗ 4. 12	
Q.29	Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements. Statements: Some files are books. All books are keys. Conclusions: (I) Some files are keys. (II) All keys are books.	
Ans	✓ 1. Only conclusion (I) follows. ✗ 2. Only conclusion (II) follows. ✗ 3. Neither conclusion (I) nor (II) follows. ✗ 4. Both conclusions (I) and (II) follow.	
Q.30	Virat starts from Point A and drives 10 km towards South. He then takes a right turn, drives 9 km, turns left and drives 5 km. He then takes a left turn and drives 9 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)	
Ans	✓ 1. 19 km towards North ✗ 2. 19 km towards South ✗ 3. 15 km towards East ✗ 4. 15 km towards South	





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	02/09/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following is NOT a part of chemical weathering?

Ans ✓ 1. Frost Action

✗ 2. Hydration

✗ 3. Oxidation

✗ 4. Carbonation

Q.2 In which of the following years was the Aajeevika - Deendayal Antyodaya Yojna- National Rural Livelihoods Mission (DAY-NRLM) launched by the Ministry of Rural Development (MoRD), Government of India?

Ans ✓ 1. 2011

✗ 2. 2016

✗ 3. 2007

✗ 4. 2014

Q.3 What was the ultimate promise made by Bhagirath Majhi to the Santhals if they followed his teachings?

Ans ✓ 1. Restoration of tribal kingdoms

✗ 2. Access to modern education and jobs

✗ 3. Complete independence from British rule

✗ 4. Land restoration and divine protection

Q.4 What is the purpose of the High Endurance Autonomous Underwater Vehicle (HEAUV) developed by DRDO's Naval Science and Technological Laboratory (NSTL)?

Ans ✓ 1. Underwater surveillance

✗ 2. Surface-to-air missile deployment

✗ 3. Submarine crew training

✗ 4. Deep-sea oil exploration

Q.5 Colonial economic policies created a skewed distribution of income and wealth in Indian society. Which of the following is a key indicator of income inequality in colonial India?

Ans ✓ 1. Unequal land ownership patterns

✗ 2. High literacy rate among workers

✗ 3. Uniform wages across sectors

✗ 4. Equitable distribution of income

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Q.6	What is the total number of inhabited islands in the Andaman and Nicobar Islands, as of May 2025?	
Ans	☒ 1. Less than 14	
	☒ 2. 22	
	☒ 3. 18	
	☒ 4. More than 30	
Q.7	Which of the following dynasties was NOT involved in the struggle for the control of the prosperous city of Kannauj in northern India?	
Ans	☒ 1. Pratihara	
	☒ 2. Pallava	
	☒ 3. Pala	
	☒ 4. Rashtrakuta	
Q.8	Optical fibres work on the principle of _____.	
Ans	☒ 1. reflection only	
	☒ 2. refraction only	
	☒ 3. total internal reflection	
	☒ 4. total internal refraction	
Q.9	What is the main function of sclerenchyma, a plant tissue composed of dead cells with extremely thick lignified walls?	
Ans	☒ 1. To help hold the flower parts together in a plant	
	☒ 2. To provide mechanical support and strength to the plant	
	☒ 3. To store food and other materials such as resins, mucilage and latex in the plant	
	☒ 4. To transport water, nutrients and sugars throughout the plant	
Q.10	Where was the headquarters of the Home Rule League founded by Bal Gangadhar Tilak located?	
Ans	☒ 1. Ajmer	
	☒ 2. Patna	
	☒ 3. Surat	
	☒ 4. Pune	
Q.11	Which of the following terms describe a change in the DNA sequence resulting in changes in the genotype and the phenotype of an organism?	
Ans	☒ 1. Segregation	
	☒ 2. Mutation	
	☒ 3. Dominance	
	☒ 4. Transcription	
Q.12	Who is the author of the book 'The History and Stars of the World's Greatest Sporting Event: From Athens 1896 to Paris 2024', launched at New Delhi World Book Fair, 2025?	
Ans	☒ 1. Amit Bose	
	☒ 2. Vijayan Bala	
	☒ 3. Digvijay Singh Deo	
	☒ 4. Abhinav Bindra	



Q.13	The foreign exchange crisis forced India to seek external support. Which institution provided India a loan during the 1991 crisis?	
Ans	☒ 1. ADB	
	☒ 2. World Bank	
	☒ 3. WTO	
	☒ 4. IMF	
Q.14	In 2025, which State Government launched the 'RISE' app for digital monitoring of child vaccinations, enhancing training for health workers to improve immunisation coverage?	
Ans	☒ 1. Uttarakhand	
	☒ 2. Bihar	
	☒ 3. Uttar Pradesh	
	☒ 4. Jharkhand	
Q.15	Which of the following is the primary objective of the Right to Information (RTI) Act, 2005?	
Ans	☒ 1. To promote transparency and accountability in government functioning	
	☒ 2. To regulate foreign investment in India	
	☒ 3. To control corruption in the judiciary	
	☒ 4. To ensure reservations for backwards classes	
Q.16	Rohilla chief, Najib-ud-Daula, played a key role in the ____.	
Ans	☒ 1. Third Battle of Panipat	
	☒ 2. Mysore wars	
	☒ 3. Anglo-Maratha wars	
	☒ 4. Decline of Bengal	
Q.17	The partition of Bengal officially came into force in the year ____.	
Ans	☒ 1. 1905	
	☒ 2. 1948	
	☒ 3. 1919	
	☒ 4. 1912	
Q.18	Who was honoured with the Rammohan Mission Purashkar 2025 for emphasising ISRO's role in national security?	
Ans	☒ 1. G Madhavan Nair	
	☒ 2. V Narayanan	
	☒ 3. K Sivan	
	☒ 4. S Somanath	
Q.19	Vijender Gupta, who became the Speaker of the Delhi Assembly in 2025, is the MLA from which of the following constituencies?	
Ans	☒ 1. Karol Bagh	
	☒ 2. Patparganj	
	☒ 3. Greater Kailash	
	☒ 4. Rohini	



Q.20	Which of the following statements is correct regarding the Tenth Schedule of the Indian Constitution?
Ans	✗ 1. It deals with the allocation of seats in the Rajya Sabha. ✗ 2. It defines the distribution of powers between the Union and States. ✗ 3. It contains provisions regarding Official Languages. ✓ 4. It provides for disqualification of members on grounds of defection.
Q.21	Which statement best describes a key feature of a Public-Private Partnership (PPP)?
Ans	✓ 1. Government and private entities share responsibilities and risks efficiently. ✗ 2. The public partner fully finances a project, while the private partner has no risk. ✗ 3. PPPs are only used for purely social (non-commercial) projects. ✗ 4. Only public sector entities can participate in PPPs.
Q.22	Where was the 8 th Edition of the Indian Ocean Conference in February 2025 held?
Ans	✓ 1. Muscat, Oman ✗ 2. Cairo, Egypt ✗ 3. Manila, Philippines ✗ 4. Perth, Australia
Q.23	Which type of land is most suitable for agriculture in India?
Ans	✗ 1. Mountainous land ✗ 2. Rocky and arid land ✗ 3. Forest land ✓ 4. Level alluvial land
Q.24	What is the primary function of the Taskbar in Windows?
Ans	✗ 1. To shut down the computer ✗ 2. To install new software ✗ 3. To display the system BIOS ✓ 4. To show open programs and allow quick access to them
Q.25	In May 2025, which Indian Chief Minister announced naming a medical college after Ahilyabai Holkar in 2025?
Ans	✓ 1. Yogi Adityanath ✗ 2. Uddhav Thackeray ✗ 3. Bhupesh Baghel ✗ 4. Ashok Gehlot
Q.26	Which Windows feature helps to quickly locate a specific file in a large folder?
Ans	✓ 1. Search box in File Explorer ✗ 2. Right-click → Delete ✗ 3. Task Manager ✗ 4. Control Panel
Q.27	Who among the following is the appointing authority of District Judges in India?
Ans	✗ 1. Prime Minister ✗ 2. President of India ✓ 3. Governor of the state ✗ 4. Chief Justice of India



Q.28	Which major initiative was highlighted by the New Delhi government to mark its first 100 days in office, as detailed in the report titled 'Kaam Karne Wali Sarkar: 100 Din Seva Ke'?
Ans	☒ 1. Launch of a new metro line
	☒ 2. Introduction of a universal basic income
	☒ 3. Inauguration of a new legislative building
	☒ 4. Presentation of a report card highlighting achievements
Q.29	Which of the following is NOT a mode of acquiring Indian citizenship under the Citizenship Act, 1955?
Ans	☒ 1. By descent
	☒ 2. By adoption
	☒ 3. By registration
	☒ 4. By birth
Q.30	Which of the following languages was granted classical status by the Government of India in 2005, following Tamil?
Ans	☒ 1. Telugu
	☒ 2. Kannada
	☒ 3. Sanskrit
	☒ 4. Malayalam
Q.31	Which of the following best reflects Judicial Activism?
Ans	☒ 1. Declaring elections null and void
	☒ 2. Passive interpretation of laws
	☒ 3. Voluntary interference by the judiciary in public interest
	☒ 4. Only enforcing existing laws strictly
Q.32	Which of the following organisations inaugurated the Quantum Technology Research Centre (QTRC) at Metcalfe House, Delhi, in May 2025?
Ans	☒ 1. Indian Space Research Organisation (ISRO)
	☒ 2. Defence Research and Development Organisation (DRDO)
	☒ 3. Indian Institute of Science (IISc)
	☒ 4. Bhabha Atomic Research Centre (BARC)
Q.33	The Tendulkar Committee revised India's methodology for measuring poverty. As per the Tendulkar Committee, which criterion is considered to measure poverty?
Ans	☒ 1. Calorie intake
	☒ 2. Employment status
	☒ 3. Consumption expenditure
	☒ 4. Income
Q.34	Biogas plants are most commonly used in which sector in rural India?
Ans	☒ 1. Industrial use
	☒ 2. Household cooking and lighting
	☒ 3. Transportation
	☒ 4. Iron smelting



Q.35	Which state notified the Tsarap Chu Conservation Reserve under the Wildlife (Protection) Act, 1972 to protect high-altitude biodiversity in 2025?	
Ans	☒ 1. Sikkim for Himalayan red panda conservation purposes	
	☒ 2. Himachal Pradesh to secure snow leopard habitats	
	☒ 3. Uttarakhand to protect alpine medicinal plant species	
	☒ 4. Arunachal Pradesh to conserve high-altitude wetlands	

Q.36	Which movie received the Best Picture honour at the 97th Academy Awards in 2025?	
Ans	☒ 1. Anora	
	☒ 2. The Brutalist	
	☒ 3. Conclave	
	☒ 4. Dune: Part Two	

Q.37	The VadHAVAN Port is under development all-weather Greenfield deep draft major port in _____.	
Ans	☒ 1. Tamil Nadu	
	☒ 2. Maharashtra	
	☒ 3. Gujarat	
	☒ 4. Kerala	

Q.38	Which river originates from the Amarkantak Plateau in Madhya Pradesh and flows westward?	
Ans	☒ 1. Son	
	☒ 2. Narmada	
	☒ 3. Tapi	
	☒ 4. Godavari	

Q.39	Gitanjali, a famous collection of poems, was originally written in which of the following languages?	
Ans	☒ 1. English	
	☒ 2. Urdu	
	☒ 3. Hindi	
	☒ 4. Bengali	

Q.40	Which of the following organisations launched the Fiscal Health Index for India in 2025?	
Ans	☒ 1. Ministry of Finance	
	☒ 2. Finance Commission	
	☒ 3. NITI Aayog	
	☒ 4. Reserve Bank of India	

Section : Mathematics		
Q.1	The LCM of the numbers 10.8 and 0.06 is:	
Ans	☒ 1. 10.8	
	☒ 2. 108	
	☒ 3. 1.08	
	☒ 4. 0.108	



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Q.2	Simplify the following. $3\left(\left(\frac{6}{3}\right)x^2 - 21x + 18\right) - 6(x^2 + 5x - 18)$	
Ans	☒ 1. $-93x - 162$	
	☒ 2. $93x - 162$	
	☒ 3. $93x + 162$	
	☒ 4. $-93x + 162$	
Q.3	A company offers a scheme discount of 'buy 5 get 3 free' offer on shirts. Find the discount percentage.	
Ans	☒ 1. 36.3%	
	☒ 2. 39.3%	
	☒ 3. 30%	
	☒ 4. 37.5%	
Q.4	The average weight of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 75 kg and 36 kg is:	
Ans	☒ 1. 50.2 kg	
	☒ 2. 53.2 kg	
	☒ 3. 52.2 kg	
	☒ 4. 51.2 kg	
Q.5	Kushal and Brijesh together invested ₹75,100 in a business. At the end of the year, out of a total profit of ₹16,000, Brijesh's share was ₹4,400. What was the difference between their investments?	
Ans	☒ 1. ₹34,043	
	☒ 2. ₹35,768	
	☒ 3. ₹34,385	
	☒ 4. ₹33,795	
Q.6	In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 72^\circ$. E is a point on BC such that $\angle CAE = 56^\circ$. What is the measure of $\angle AEB$?	
Ans	☒ 1. 69°	
	☒ 2. 65°	
	☒ 3. 71°	
	☒ 4. 74°	
Q.7	The product of two consecutive natural numbers is 240. The greater of the two numbers is:	
Ans	☒ 1. 35	
	☒ 2. 23	
	☒ 3. 19	
	☒ 4. 16	
Q.8	The simple interest on a certain sum for $7\frac{2}{3}$ years at the rate of 5.4% per annum is ₹4,347. What will be the amount payable on the same sum at the rate of 7.5% per annum simple interest in $4\frac{4}{5}$ years?	
Ans	☒ 1. ₹14,282	
	☒ 2. ₹14,280	
	☒ 3. ₹14,273	
	☒ 4. ₹14,272	



Q.9	Find the mean proportional between 26 and 104.
Ans	☒ 1. 53
	☒ 2. 52
	☒ 3. 51
	☒ 4. 49
Q.10	Mahita is painting the four walls of her study room, which is shaped like a cube with a side length of 18.5 feet. What is the total area she needs to paint (in square feet)?
Ans	☒ 1. 1385
	☒ 2. 1358
	☒ 3. 1396
	☒ 4. 1369
Q.11	The income of Raman is ₹44,200. He saves 31% of his income. If his income increases by 22% and expenditure increases by 50%, then his savings will:
Ans	☒ 1. increase by ₹5,521
	☒ 2. decrease by ₹5,525
	☒ 3. increase by ₹5,530
	☒ 4. decrease by ₹5,524
Q.12	If the 6-digit number N46M66 is divisible by 11, then which of the options below can give a possible correct relation between M and N?
Ans	☒ 1. $M - N = 1$
	☒ 2. $M = N$
	☒ 3. $M + N = -2$
	☒ 4. $M - N = 2$
Q.13	Train A leaves station M at 6:30 AM and reaches station N at 3:30 PM on the same day. Train B leaves station N at 8:30 AM and reaches station M at 1:30 PM on the same day. Find the time when trains A and B meet.
Ans	☒ 1. 11:30 AM
	☒ 2. 11:00 AM
	☒ 3. 10:50 AM
	☒ 4. 12:00 PM
Q.14	A shopkeeper lists the price of a fan at 50% above its cost price and offers a 30% discount on its list price. If he earns a profit of ₹86, then what is the list price (in ₹) of the fan?
Ans	☒ 1. 2,444
	☒ 2. 2,580
	☒ 3. 2,825
	☒ 4. 2,386
Q.15	The average weight of Ketan, Tushar and Salil is 46 kg. If the average weight of Ketan and Tushar is 36 kg and that of Tushar and Salil is 44 kg, then the weight of Tushar (in kg) is:
Ans	☒ 1. 37
	☒ 2. 22
	☒ 3. 42
	☒ 4. 32



Q.16	Simplify: $\sqrt{289} + \sqrt{0.04} - \sqrt{5.76}$	
Ans	☒ 1. 1.78	
	☒ 2. 11.65	
	☒ 3. 14.8	
	☒ 4. 3.07	
Q.17	A bus travelling at 99 km/hr completes a journey in 20 hours. What should its speed be to cover the same distance in 12 hours?	
Ans	☒ 1. 165 km/hr	
	☒ 2. 159 km/hr	
	☒ 3. 168 km/hr	
	☒ 4. 156 km/hr	
Q.18	8 years ago, the age of a father was 21 years more than twice his son's age. After how many years, from now, will he be twice his son's age?	
Ans	☒ 1. 13	
	☒ 2. 11	
	☒ 3. 8	
	☒ 4. 17	
Q.19	By how much is 65% of 55 greater than $\frac{2}{5}$ of 25?	
Ans	☒ 1. 19.75	
	☒ 2. 25.75	
	☒ 3. 22.75	
	☒ 4. 23.75	
Q.20	The H.C.F. and the L.C.M. of two numbers are 3 and 276 respectively. If one of the numbers is 69, find the other one.	
Ans	☒ 1. 12	
	☒ 2. 35	
	☒ 3. 100	
	☒ 4. 110	
Q.21	What smallest number should be added to 15335 so that the sum is completely divisible by 79?	
Ans	☒ 1. 71	
	☒ 2. 68	
	☒ 3. 70	
	☒ 4. 65	
Q.22	If the shape of a water pipe is a rectangle with dimensions 5 m and 3 m and if water runs out of it at the speed of 36 km/hr, then what is the volume (in m ³) of the water that passed through the pipe in 12 minutes?	
Ans	☒ 1. 216000	
	☒ 2. 108000	
	☒ 3. 5400	
	☒ 4. 54000	



Q.23	Two pipes can fill a cistern, individually, in 40 minutes and 14 minutes, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 20 minutes. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?
Ans	☒ 1. $20\frac{7}{13}$ minutes
	☒ 2. $21\frac{7}{13}$ minutes
	☒ 3. $19\frac{7}{13}$ minutes
	☒ 4. $22\frac{7}{13}$ minutes

Q.24	I bought two toy guns for ₹1,200. I sold the first one at a loss of 9% and the second at a gain of 16%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first toy gun.
Ans	☒ 1. 788
	☒ 2. 792
	☒ 3. 768
	☒ 4. 752

Q.25	Successive discounts of 5% and 40% are equivalent to a single discount of:
Ans	☒ 1. 41%
	☒ 2. 45%
	☒ 3. 43%
	☒ 4. 42%

Q.26	A can lay railway track between two given stations in 20 days and B can do the same job in 16 days. With the help of C, they did the job in 3 days only. Then, C alone can do the job in
Ans	☒ 1. $4\frac{28}{53}$ days
	☒ 2. $11\frac{28}{53}$ days
	☒ 3. $12\frac{28}{53}$ days
	☒ 4. $14\frac{28}{53}$ days

Q.27	Sapna invested ₹22,500 on simple interest, partly at 7% per annum and partly at 5% per annum. If she earns equal interests from the two investments after 3 years, then find the sum invested at 7% per annum (in ₹).
Ans	☒ 1. 9,373
	☒ 2. 9,374
	☒ 3. 9,376
	☒ 4. 9,375



Q.28	Ravi started a business by investing ₹50,000. After six months, Raju joined him and invested an amount of ₹1,00,000. In one year since Ravi invested, they earned a profit of ₹63,000. What is Raju's share of the profit?
Ans	☒ 1. ₹32,500
	☒ 2. ₹31,000
	☒ 3. ₹31,500
	☒ 4. ₹32,000

Q.29	Find the value of $\frac{(\sec^4 A - \sec^2 A)}{(\cot^2 A + \cot^4 A)} \times \frac{(\operatorname{cosec}^4 A - \operatorname{cosec}^2 A)}{(\tan^2 A + \tan^4 A)} + \cot^2 A$.
Ans	☒ 1. $\cot^2 A$
	☒ 2. 0
	☒ 3. 1
	☒ 4. $\operatorname{cosec}^2 A$

Q.30	Find the value of $24^{-10} \div 24^{16} \times 24^{-7}$.
Ans	☒ 1. 24^{-43}
	☒ 2. 24^{-33}
	☒ 3. 24^{-38}
	☒ 4. 24^{-31}

Section : General Intelligence and Reasoning

Q.1	In a certain code language, 'SAID' is coded as '3517' and 'AERO' is coded as '2146'. What is the code for 'A' in the given code language?
Ans	☒ 1. 5
	☒ 2. 2
	☒ 3. 1
	☒ 4. 6

Q.2	Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept between E and B. Only A is kept above C. No box is kept below B. G is kept at some place below F but at some place above D. How many boxes are kept below F?
Ans	☒ 1. 2
	☒ 2. 4
	☒ 3. 3
	☒ 4. 1

Q.3	Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)
Ans	☒ 1. KMH
	☒ 2. IKE
	☒ 3. GIC
	☒ 4. MOI



Q.4	Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s). Statements: Some Circular Saws are Trowels. Some Trowels are Power Saws. Conclusions: I: Some Circular Saws are Power Saws. II: No Circular Saws are Power Saws.	
Ans	☒ 1. Only conclusion (I) follows.	
	☒ 2. Neither conclusion (I) nor (II) follows.	
	☒ 3. Both conclusions (I) and (II) follow.	
	☒ 4. Only conclusion (II) follows.	
Q.5	Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements. Statements: All soaps are gels. All soaps are conditioners. Conclusions: (I) Some gels are conditioners. (II) All conditioners are soaps.	
Ans	☒ 1. Both conclusions (I) and (II) follow.	
	☒ 2. Neither conclusion (I) nor (II) follows.	
	☒ 3. Only conclusion (II) follows.	
	☒ 4. Only conclusion (I) follows.	
Q.6	A, B, C, D, Q, R and S are sitting around a circular table, facing the centre of the table. Only two people sit between D and A, when counted from the left of A. Q sits third to the left of S. R sits to the immediate right of S. R sits second to the left of D. B is not an immediate neighbour of Q. Who sits third to the right of C?	
Ans	☒ 1. D	
	☒ 2. S	
	☒ 3. R	
	☒ 4. A	
Q.7	A, B, C, D, Q, R and S are sitting around a circular table, facing the centre of the table. B sits third to the left of Q. R sits second to the left of S. Q is an immediate neighbour of both A and R. C is not an immediate neighbour of B. How many people sit between D and R, when counted from the right of D?	
Ans	☒ 1. Three	
	☒ 2. One	
	☒ 3. Two	
	☒ 4. Four	
Q.8	DREAM is related to IWJFR in a certain way based on the English alphabetical order. In the same way, FILED is related to KNQJI. To which of the given options is BLOWN related, following the same logic?	
Ans	☒ 1. GQTBS	
	☒ 2. FPSAR	
	☒ 3. HRUCT	
	☒ 4. GRSCS	



Q.9	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? LOH19 MPI27 NQJ35 ORK43 ?
Ans	☐ 1. PSK50
	☐ 2. PSL50
	☒ 3. PSL51
	☐ 4. PSK51
Q.10	Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)
Ans	☒ 1. ERM
	☐ 2. BFJ
	☐ 3. SWA
	☐ 4. UYC
Q.11	Seven boxes G, H, I, J, K, L and S are kept one over the other but not necessarily in the same order. Only three boxes are kept below S. Only two boxes are kept between S and L. Only G is kept below J. H is kept at some place below K and at some place above J. I is kept above K. How many boxes are kept between K and J?
Ans	☐ 1. Four
	☐ 2. One
	☒ 3. Two
	☐ 4. Three
Q.12	If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 5237648, how many digits will appear more than once in the new number thus formed?
Ans	☐ 1. None
	☒ 2. Two
	☐ 3. Three
	☐ 4. One
Q.13	Mr. Bravo starts from Point A and drives 1 km towards the west. He then takes a left turn, drives 2 km, turns left and drives 5 km. He then takes a left turn and drives 7 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)
Ans	☐ 1. 4 km to the west
	☒ 2. 5 km to the south
	☐ 3. 2 km to the north
	☐ 4. 6 km to the east
Q.14	In a certain code language, 'A = B' means 'A is the mother of B', 'A \$ B' means 'A is the brother of B', 'A @ B' means 'A is the wife of B' and 'A * B' means 'A is the father of B'. How is W related to R if W \$ A @ C * D = R?
Ans	☐ 1. Brother
	☐ 2. Father
	☐ 3. Mother's father
	☒ 4. Mother's mother's brother



Q.15	What will come in place of the question mark (?) in the following equation, if '+' and 'x' are interchanged and '-' and '÷' are interchanged? $42 \div 11 + 3 \times 18 - 2 = ?$	
Ans	☒ 1. 36	
	☒ 2. 24	
	☒ 3. 30	
	☒ 4. 18	
Q.16	If 1 is added to each odd digit and 4 is subtracted from each even digit in the number 6854376, what will be difference between the highest and lowest digits in the new number thus formed?	
Ans	☒ 1. 6	
	☒ 2. 7	
	☒ 3. 8	
	☒ 4. 4	
Q.17	Each of the digits in the number 5368794 is arranged in the ascending order from left to right. What will be the sum of the digits that are first from the left and first from the right in the new number thus formed?	
Ans	☒ 1. 10	
	☒ 2. 9	
	☒ 3. 12	
	☒ 4. 7	
Q.18	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? IGE 16, LJH 21, OMK 26, RPN 31, ?	
Ans	☒ 1. UYX 36	
	☒ 2. USQ 36	
	☒ 3. VXY 28	
	☒ 4. VYW 36	
Q.19	Kasish starts from Point A and drives 10 km towards south. She then takes a left turn, drives 6 km, turns left and drives 11 km. She then takes a left turn and drives 7 km. She takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90° turns only unless specified.)	
Ans	☒ 1. 1 km to east	
	☒ 2. 2 km to east	
	☒ 3. 1 km to west	
	☒ 4. 2 km to west	
Q.20	What should come in place of the question mark (?) in the given series? 13 29 55 113 223 ?	
Ans	☒ 1. 494	
	☒ 2. 449	
	☒ 3. 498	
	☒ 4. 489	



Q.21	Piyush is ranked 11 th from the top and 29 th from the bottom in his class. How many students are there in the class?	
Ans	☒ 1. 38	
	☒ 2. 40	
	☒ 3. 37	
	☒ 4. 39	
Q.22	In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs. (Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 12, 146 8, 66	
Ans	☒ 1. 6, 34	
	☒ 2. 11, 123	
	☒ 3. 7, 49	
	☒ 4. 4, 66	
Q.23	In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic. BLOW - WLBO - LOBW LEAF - FELA - EALF	
Ans	☒ 1. MOVE - EOMV - VOME	
	☒ 2. TOUR - OTUR - ROUT	
	☒ 3. CLAW - CALW - WALC	
	☒ 4. FANG - GAFN - ANFG	
Q.24	Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Left) % 9 % 2 7 5 & \$ * 5 © 6 1 1 * € 4 # 1 7 3 @ (Right) How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a symbol?	
Ans	☒ 1. 3	
	☒ 2. 4	
	☒ 3. 1	
	☒ 4. 2	
Q.25	In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic. TOES - SETO - TEOS CLAP - PACL - CALP	
Ans	☒ 1. CALF - FLCA - ALCF	
	☒ 2. RUST - RSUT - TSUR	
	☒ 3. TUNE - UNTE - UNET	
	☒ 4. MICK - KCM I - MC I K	



Q.26	What should come in place of the question mark (?) in the given series? 789 799 800 810 811 821 822 ?	
Ans	✓ 1. 832	
	✗ 2. 833	
	✗ 3. 831	
	✗ 4. 823	
Q.27	In a certain code language, 'MUGS' is coded as '4627' and 'UNIT' is coded as '1375'. What is the code for 'U' in the given code language?	
Ans	✗ 1. 5	
	✗ 2. 6	
	✗ 3. 1	
	✓ 4. 7	
Q.28	What should come in place of the question mark (?) in the given series? 31 32 34 38 46 ?	
Ans	✗ 1. 63	
	✗ 2. 64	
	✗ 3. 61	
	✓ 4. 62	
Q.29	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)	
Ans	✗ 1. FH-HJ	
	✗ 2. IK-KM	
	✗ 3. MO-OQ	
	✓ 4. RT-TB	
Q.30	Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit. Counting to be done from left to right. (Left) & 3 Ω 9 # 1 * 2 + % 4 6 @ 8 \$ 7 £ 5 (Right) How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another number?	
Ans	✗ 1. 4	
	✗ 2. 7	
	✓ 3. 6	
	✗ 4. 5	





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	02/09/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which State launched India's first PPP green waste processing plant?

- Ans**
- ☒ 1. Chhattisgarh
 - ☒ 2. Madhya Pradesh
 - ☐ 3. Kerala
 - ☐ 4. Telangana

Q.2 This freedom fighter proclaimed himself the Peshwa during the Revolt of 1857 and gathered armed forces and expelled the British garrison from the city. He was the adopted son of the late Peshwa Baji Rao. The leader in question is:

- Ans**
- ☐ 1. Kunwar Singh
 - ☐ 2. Mangal Pandey
 - ☐ 3. Tantia Tope
 - ☒ 4. Nana Saheb

Q.3 What is the actual mainland distance of India from east to west?

- Ans**
- ☒ 1. 2933 km
 - ☐ 2. 3143 km
 - ☐ 3. 3214 km
 - ☐ 4. 3014 km

Q.4 On which day in 2025 did India and Pakistan agree to a US-brokered ceasefire with immediate effect?

- Ans**
- ☒ 1. 10 May
 - ☐ 2. 9 May
 - ☐ 3. 8 May
 - ☐ 4. 11 May

Q.5 Which of the following devices performs optical character recognition (OCR)?

- Ans**
- ☐ 1. OMR Scanner
 - ☐ 2. Flatbed Scanner
 - ☒ 3. Barcode Reader
 - ☐ 4. OCR Scanner



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Q.6 Which Article deals with the constitution of Municipalities?

Ans  1. Article 243Q

 2. Article 243W

 3. Article 243Z

 4. Article 243P

Q.7 The Mahatma Gandhi National Rural Employment Guarantee Act, 2005 (MGNREGA) provides a legal guarantee for how many days of employment per year to every rural household in India?

Ans  1. 100 days

 2. 159 days

 3. 180 days

 4. 135 days

Q.8 Which Constitutional Amendment Act added the Ninth Schedule to the Constitution of India?

Ans  1. First Amendment Act, 1951

 2. Seventeenth Amendment Act, 1964

 3. Twenty-ninth Amendment Act, 1972

 4. Fourth Amendment Act, 1955

Q.9 In May 2025, which Indian company emerged as the lowest bidder for the Indian Navy's Next Generation Corvettes (NGC) project, valued at over ₹25,000 crore?

Ans  1. Hindustan Shipyard Limited

 2. Cochin Shipyard Limited

 3. Garden Reach Shipbuilders & Engineers

 4. Mazagon Dock Shipbuilders Limited

Q.10 What is the function of a diathermic wall in a thermodynamic system?

Ans  1. It allows the flow of only work.

 2. It prevents the exchange of both matter and energy.

 3. It allows the exchange of matter only.

 4. It allows the flow of heat between systems.

Q.11 To be eligible for membership of a State Legislature, a candidate must meet which of the following qualifications as laid down in the Representation of the People Act, 1951?

Ans  1. Be an elector (voter) in any State assembly constituency

 2. Pay income tax in the State

 3. Have at least a graduate degree

 4. Be a permanent resident of the State for 15 years

Q.12 Who received the Best Actress award at the 25th IIFA Awards in 2025?

Ans  1. Nitanshi Goel

 2. Neha Dixit

 3. Manisha Kulsherstha

 4. Subhashree Ganguly



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Q.13 Which of the following, set up in June 1986, is responsible for the management of civil aerodromes and civil enclaves as well as for maintenance and operation of aeronautical communication systems at all the airports?

- Ans**
- ☐ 1. Delhi International Airport Limited
 - ☐ 2. Airports Authority of India
 - ☐ 3. Airports Council International
 - ☒ 4. National Airports Authority

Q.14 Abu'l Fazl was the court historian of which of the following rulers?

- Ans**
- ☒ 1. Akbar
 - ☐ 2. Babar
 - ☐ 3. Alauddin Khilji
 - ☐ 4. Aurangzeb

Q.15 Kathak is a classical dance form from which of the following regions of India?

- Ans**
- ☐ 1. Western India
 - ☐ 2. South India
 - ☒ 3. North India
 - ☐ 4. Eastern India

Q.16 The increase in Earth's average temperature due to trapped gases is called:

- Ans**
- ☒ 1. Greenhouse effect
 - ☐ 2. Ocean acidification
 - ☐ 3. Ozone depletion
 - ☐ 4. Climate Change

Q.17 In which of the following budget sessions was the Mission Antyodaya, a convergence and accountability framework aiming to bring optimum use and management of resources, adopted?

- Ans**
- ☐ 1. Union Budget 2018-19
 - ☐ 2. Union Budget 2016-17
 - ☒ 3. Union Budget 2017-18
 - ☐ 4. Union Budget 2015-16

Q.18 Which of the following organisations released the World Social Protection Report (WSPR) 2024-2025?

- Ans**
- ☐ 1. United Nation Security Council
 - ☐ 2. World Health Organization
 - ☐ 3. International Monetary Fund
 - ☒ 4. International Labour Organization

Q.19 Lahaulas and Pangwala are major tribes found in which Indian state?

- Ans**
- ☒ 1. Himachal Pradesh
 - ☐ 2. Goa
 - ☐ 3. Jharkhand
 - ☐ 4. Assam

Q.20 Which law allowed inter-caste and inter-religious marriages during the British period in India?

- Ans**
- ☐ 1. Widow Remarriage Act
 - ☒ 2. Act of 1872
 - ☐ 3. Sarda Act
 - ☐ 4. Act of Settlement



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Q.21 Which Indian startup successfully tested the country's first electric motor-driven semi-cryogenic rocket engine in May 2025?

- Ans**
- ☐ 1. Skyroot Aerospace
 - ☐ 2. Bellatrix Aerospace
 - ☐ 3. Pixxel
 - ☒ 4. Agnikul Cosmos

Q.22 In April 2025, India signed a \$7.4 billion deal to purchase 26 Rafale fighter jets with which of the following countries?

- Ans**
- ☐ 1. Russia
 - ☐ 2. United States
 - ☒ 3. France
 - ☐ 4. Israel

Q.23 The commercialisation of agriculture under the British transformed the rural economy. What did 'commercialisation of agriculture' in British India lead to?

- Ans**
- ☐ 1. Elimination of rural debt
 - ☐ 2. Growth of self-sufficient villages
 - ☐ 3. Rise in food grain production
 - ☒ 4. Increased production of cash crops

Q.24 Industrially, which acid is mainly produced by the carbonylation of methanol using carbon monoxide?

- Ans**
- ☐ 1. Nitric acid
 - ☐ 2. Citric acid
 - ☒ 3. Acetic acid
 - ☐ 4. Hydrochloric acid

Q.25 What is the function of the Taskbar in the Windows operating system?

- Ans**
- ☒ 1. Displays currently running applications and allows switching between them
 - ☐ 2. Stores deleted files temporarily
 - ☐ 3. Opens the file manager window
 - ☐ 4. Shuts down the computer immediately

Q.26 What was the main source of revenue for the Pallava empire, used for maintaining their army and administrative expenses?

- Ans**
- ☐ 1. Trade tax
 - ☐ 2. Toll tax
 - ☐ 3. Salt tax
 - ☒ 4. Land tax

Q.27 Which of the following Articles of the Indian Constitution empowers Parliament to make laws relating to the acquisition and termination of the Indian Citizenship?

- Ans**
- ☐ 1. Article 12
 - ☐ 2. Article 10
 - ☐ 3. Article 7
 - ☒ 4. Article 11



Q.28 Where was the 29th World Gas Conference (WGC), known as the 'Olympics' of the global gas industry, held for the first time in its nearly 100-year history in May 2025?

- Ans**
- ✓ 1. Beijing, China
 - ✗ 2. Dubai, UAE
 - ✗ 3. Tokyo, Japan
 - ✗ 4. Paris, France

Q.29 Which of the following developments followed the MoU signed between GRSE and Norway's Kongsberg at Nor-Shipping 2025?

- Ans**
- ✗ 1. India will jointly operate a Polar Research Vessel with Norway.
 - ✗ 2. India will purchase its first Polar Research Vessel from Norway.
 - ✗ 3. India will fund Norway's Polar Research under a new agreement.
 - ✓ 4. India will begin building its first indigenously made Polar Vessel.

Q.30 Who took charge as the Controller General of Defence Accounts (CGDA) on 1 March 2025?

- Ans**
- ✓ 1. Dr. Mayank Sharma
 - ✗ 2. Ajay Kumar
 - ✗ 3. Shailendra Nath Gupta
 - ✗ 4. Alok Joshi

Q.31 In the case of Vihaan Kumar vs. State of Haryana, what constitutional violation led the Supreme Court to declare the arrest illegal?

- Ans**
- ✗ 1. Violation of Article 21 (Right to Life and Personal Liberty)
 - ✗ 2. Violation of Article 14 (Right to Equality)
 - ✗ 3. Violation of Article 19(1)(a) (Freedom of Speech)
 - ✓ 4. Violation of Article 22(1) (Failure to inform grounds of arrest)

Q.32 How does the growth of tertiary activities reflect economic development in India?

- Ans**
- ✗ 1. It highlights a fall in manufacturing employment.
 - ✗ 2. It indicates a slowdown in overall income generation.
 - ✗ 3. It shows a shift back to farm-based occupations.
 - ✓ 4. It reflects improved services, urban growth and rising demand.

Q.33 Which international summit on artificial intelligence was held in Bengaluru in 2025, highlighting the importance of ethical and inclusive AI collaboration between India and France?

- Ans**
- ✗ 1. Indo-European AI Partnership Meet
 - ✗ 2. Global AI Ethics Forum
 - ✓ 3. La French Tech India AI Summit
 - ✗ 4. India-US AI Conference

Q.34 Which thermodynamic quantity helps determine the spontaneity of a chemical reaction?

- Ans**
- ✗ 1. Enthalpy
 - ✗ 2. Entropy
 - ✓ 3. Gibbs free energy
 - ✗ 4. Internal free energy



Q.35 Who is responsible for implementing the RTI Act in public departments?

- Ans**
- ☐ 1. Director General
 - ☐ 2. District Magistrate
 - ☐ 3. Central Vigilance Officer
 - ☒ 4. Central Public Information Officer

Q.36 Which of the following names is associated with the Faraizi Movement?

- Ans**
- ☒ 1. Haji Shariatullah
 - ☐ 2. Muhammad Barkathulla
 - ☐ 3. Hakim Ajmal Khan
 - ☐ 4. Nawab Salimullah

Q.37 The McMahon Line is the boundary between India and which country?

- Ans**
- ☐ 1. Pakistan
 - ☐ 2. Myanmar
 - ☐ 3. Afghanistan
 - ☒ 4. China

Q.38 In May 2025, the Khelo India Multipurpose Hall in Arunachal Pradesh was officially opened in which district by Union Minister Dr. Mansukh Mandaviya?

- Ans**
- ☒ 1. Kamle
 - ☐ 2. Lower Subansiri
 - ☐ 3. West Kameng
 - ☐ 4. Tawang

Q.39 What is the name given to a saucer-shaped intrusive igneous body that is concave to the sky?

- Ans**
- ☒ 1. Lapolith
 - ☐ 2. Sill
 - ☐ 3. Phacolith
 - ☐ 4. Batholith

Q.40 How many medals were won by the Indian team in Archery World Cup Stage 2 at Shanghai, China in May 2025?

- Ans**
- ☐ 1. 5
 - ☒ 2. 7
 - ☐ 3. 6
 - ☐ 4. 3

Section : Mathematics

Q.1 The value of $\frac{3}{4} + \left(\frac{1}{1 + \frac{5}{9}} \right) - \frac{2}{3}$ is

- Ans**
- ☒ 1. $\frac{61}{84}$
 - ☐ 2. $\frac{60}{83}$
 - ☐ 3. $\frac{57}{77}$
 - ☐ 4. $\frac{63}{92}$



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Q.2 A shopkeeper lists the price of a fan at 34% above its cost price and offers a 25% discount on its list price. If he earns a profit of ₹177, then what is the list price (in ₹) of the fan?

- Ans**
- ☐ 1. 47,209
 - ☐ 2. 47,148
 - ☒ 3. 47,436
 - ☐ 4. 47,300

Q.3 Find the HCF of 120, 144 and 168.

- Ans**
- ☐ 1. 48
 - ☐ 2. 12
 - ☐ 3. 36
 - ☒ 4. 24

Q.4 A number when increased by 100% gives 2750. The number is:

- Ans**
- ☐ 1. 687.5
 - ☐ 2. 2750
 - ☒ 3. 1375
 - ☐ 4. 4125

Q.5 Eight times the present age of P exceeds the present age of Q by 46 years. After 10 years, three times Q's age will be 12 years less than eight times P's age at that time. What is the present age (in years) of Q?

- Ans**
- ☐ 1. 49
 - ☐ 2. 37
 - ☒ 3. 42
 - ☐ 4. 43

Q.6 The number of prime numbers lying between 317 and 322, both included, is:

- Ans**
- ☐ 1. 4
 - ☐ 2. 3
 - ☐ 3. 2
 - ☒ 4. 1

Q.7 Ashok bought some pencils at the rate of ₹180 a dozen. He sold them for ₹16 each. His profit percentage is ____%.

- Ans**
- ☒ 1. 6.67
 - ☐ 2. 10.67
 - ☐ 3. 8.67
 - ☐ 4. 4.67



Q.8 Simplify the following.

$$1 \times (5 \times (3^2)) \div 17 + 44 - 78$$

Ans

✓ 1. $-\frac{533}{17}$

✗ 2. $-\frac{534}{17}$

✗ 3. $-\frac{535}{17}$

✗ 4. $-\frac{538}{17}$

Q.9 A shopkeeper marks a mobile phone for ₹15,000 but allows a discount of 10%. What amount does the customer actually pay?

Ans

✗ 1. ₹13,800

✓ 2. ₹13,500

✗ 3. ₹14,000

✗ 4. ₹14,500

Q.10 Pipe A can fill a tank in 12 hours, pipe B can fill the same tank in 25 hours and pipe C can fill the same tank in 10 hours. The time taken by them to fill the same tank if they operate together is::

Ans

✗ 1. $9\frac{32}{67}$ hours

✗ 2. $12\frac{32}{67}$ hours

✓ 3. $4\frac{32}{67}$ hours

✗ 4. $13\frac{32}{67}$ hours

Q.11 Find the value of x satisfying: $4(4x^2 - 5) - 4(4x^2 + 6x - 4) = 15$

Ans

✗ 1. $-\frac{11}{24}$

✗ 2. $-\frac{17}{24}$

✓ 3. $-\frac{19}{24}$

✗ 4. $-\frac{23}{24}$



Q.12 A man goes to Indore from Bhopal at a speed of 20 km/hr and returns to Bhopal at speed of 30 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans**
- ☒ 1. 24
 - ☐ 2. 29
 - ☐ 3. 20
 - ☐ 4. 28

Q.13 A sum of money triples itself at a certain rate of compound interest in 15 years. In how many years will it amount to 81 times of itself?

- Ans**
- ☐ 1. 61 years
 - ☒ 2. 60 years
 - ☐ 3. 56 years
 - ☐ 4. 51 years

Q.14 Evaluate: $16 + 12 \div 6 - 2 \times 3$

- Ans**
- ☒ 1. 12
 - ☐ 2. 14
 - ☐ 3. 15
 - ☐ 4. 11

Q.15 The area of one side of a rectangular box is 45 cm^2 , and the area of another adjacent side is 24 cm^2 . If the area of the top surface (third side) is 30 cm^2 , find the volume of the box.

- Ans**
- ☐ 1. 540 cm^3
 - ☐ 2. 270 cm^3
 - ☐ 3. 60 cm^3
 - ☒ 4. 180 cm^3

Q.16 कोई व्यक्ति ऋण चुकाने के लिए अपने मासिक वेतन के 20% के बराबर मासिक भुगतान करता है। वह शेष वेतन का 25% खर्च करता है और ₹780 बचाता है। उसका मासिक वेतन (₹ में) ज्ञात कीजिए।

- Ans**
- ☐ 1. 1,388
 - ☒ 2. 1,300
 - ☐ 3. 1,383
 - ☐ 4. 1,366

Q.17 In covering a distance of 198 km, Amit takes 4 hours more than Vinay. If Amit doubles his speed, then he would take 5 hours less than Vinay. Amit's speed is:

- Ans**
- ☐ 1. 20 km/hr
 - ☐ 2. 10 km/hr
 - ☒ 3. 11 km/hr
 - ☐ 4. 12 km/hr

Q.18 The marked price of an article is ₹2,500. A shopkeeper gives three successive discounts of 25%, 20% and K%, and sells the article at ₹1,380. Find the value of K.

- Ans**
- ☐ 1. 7
 - ☐ 2. 7.6
 - ☐ 3. 6.5
 - ☒ 4. 8



Q.19 A kite is flying at the height of 353.55 m above the ground. It is attached to a string inclined at an angle of 45° to the horizontal. What is the approximate length of the string?

- Ans**
- ☐ 1. 300 m
 - ☐ 2. 250 m
 - ☒ 3. 500 m
 - ☐ 4. 375 m

Q.20 What is the median of the following data?

49, 96, 59, 54, 97, 30, 44, 46, 36, 55, 23

- Ans**
- ☒ 1. 49
 - ☐ 2. 49.5
 - ☐ 3. 50
 - ☐ 4. 48.5

Q.21 Pipe P can fill $\frac{2}{9}$ part of a tank in 28 hours, and pipe Q can fill $\frac{2}{7}$ part of the same tank in 12 hours.

Both P and Q were kept open for 6 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans**
- ☐ 1. 117 hours
 - ☐ 2. 137 hours
 - ☒ 3. 126 hours
 - ☐ 4. 145 hours

Q.22 The ratio of an interior angle to its corresponding exterior angle in a regular polygon is 3 : 2. Determine the number of sides of the polygon.

- Ans**
- ☐ 1. 8
 - ☐ 2. 7
 - ☒ 3. 5
 - ☐ 4. 6

Q.23 The HCF and the LCM of two numbers are 29 and 174, respectively. If one of the numbers is 58, find the other one.

- Ans**
- ☐ 1. 116
 - ☐ 2. 174
 - ☐ 3. 145
 - ☒ 4. 87

Q.24 ₹32,100 were divided among A, B and C, such that 2 times of A = 7 times of B = 4 times of C. Find the share of A.

- Ans**
- ☒ 1. ₹17,976
 - ☐ 2. ₹17,815
 - ☐ 3. ₹18,091
 - ☐ 4. ₹17,847

Q.25 The average of first 151 odd natural numbers, is:

- Ans**
- ☒ 1. 151
 - ☐ 2. 151.5
 - ☐ 3. 152
 - ☐ 4. 150.5



Q.26 Sapna invested ₹22,800 on simple interest, partly at 6% per annum and partly at 4% per annum. If she earns equal interests from the two investments after 8 years, then find the sum invested at 6% per annum (in ₹).

- Ans**
- ☐ 1. 9,123
 - ☒ 2. 9,120
 - ☐ 3. 9,117
 - ☐ 4. 9,122

Q.27 P, Q and R invest sum in the ratio of 2 : 22 : 70, respectively. If they earned a total profit of ₹4,700 at the end of the year, then what is the difference between share of Q and R?

- Ans**
- ☐ 1. ₹2,447
 - ☐ 2. ₹2,430
 - ☐ 3. ₹2,306
 - ☒ 4. ₹2,400

Q.28 Which of the following ratios is the greatest?

- Ans**
- ☐ 1. 30 : 53
 - ☒ 2. 48 : 55
 - ☐ 3. 22 : 51
 - ☐ 4. 40 : 90

Q.29 Find the surface area of the cuboid with dimensions 3 cm, 5 cm and 8 cm.

- Ans**
- ☐ 1. 79 square cm.
 - ☒ 2. 158 square cm.
 - ☐ 3. 60 square cm.
 - ☐ 4. 120 square cm.

Q.30 The product of two consecutive natural numbers is 90. The greater of the two numbers is:

- Ans**
- ☐ 1. 6
 - ☒ 2. 10
 - ☐ 3. 11
 - ☐ 4. 21

Section : General Intelligence and Reasoning

Q.1 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

45, 165
24, 144

- Ans**
- ☐ 1. 42, 172
 - ☐ 2. 18, 142
 - ☒ 3. 38, 158
 - ☐ 4. 21, 131



Q.2 SPLT is related to QNJR in a certain way based on the English alphabetical order. In the same way, OLHP is related to MJFN. To which of the given options is KHDJ related, following the same logic?

- Ans**
- ✓ 1. IFBJ
 - ✗ 2. IFJB
 - ✗ 3. FIJB
 - ✗ 4. FIBJ

Q.3 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged, and '-' and '×' are interchanged?

$$6 - 4 \times 85 + 5 \div 22 = ?$$

- Ans**
- ✓ 1. 29
 - ✗ 2. 22
 - ✗ 3. 42
 - ✗ 4. 36

Q.4 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LIG 1, NKI 4, ?, ROM 16, TQO 25

- Ans**
- ✓ 1. PMK 9
 - ✗ 2. QNL 9
 - ✗ 3. PNL 9
 - ✗ 4. QNK 12

Q.5 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
ZMB JXN TIZ DTL ?

- Ans**
- ✗ 1. NEY
 - ✗ 2. NXE
 - ✓ 3. NEX
 - ✗ 4. NYE

Q.6 S, Y का पिता है। Y, R का भाई है। R, U की पत्नी है। U, P का पुत्र है। S का P से क्या संबंध है?

- Ans**
- ✓ 1. पुत्र की पत्नी के पिता
 - ✗ 2. पुत्र की पत्नी की बहन
 - ✗ 3. पुत्र की पत्नी का भाई
 - ✗ 4. पुत्र की पत्नी की माता

Q.7 What should come in place of the question mark (?) in the given series?

9 15 47 91 275 ?

- Ans**
- ✓ 1. 547
 - ✗ 2. 574
 - ✗ 3. 505
 - ✗ 4. 550

Q.8 Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which pair DOES NOT belong to that group? (NOTE: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- ✓ 1. RM-VP
 - ✗ 2. AV-DY
 - ✗ 3. GB-JE
 - ✗ 4. OJ-RM



Q.9 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. SOJD
 - ☐ 2. GCXR
 - ☐ 3. AWRL
 - ☒ 4. QNHB

Q.10 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.

(Left) 7 # * © & 8 4 & 6 1 5 9 € 8 \$ * 6 6 8 5 7 7 (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans
- ☐ 1. Zero
 - ☐ 2. One
 - ☐ 3. Two
 - ☒ 4. Three

Q.11 Town A is to the west of Town B. Town C is to the south of Town A. Town D is to the east of Town C. Town E is to the west of Town A. What is the position of Town E with respect to Town C?

- Ans
- ☐ 1. Northeast
 - ☒ 2. Northwest
 - ☐ 3. East
 - ☐ 4. South

Q.12 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: Some walls are roofs. No roof is a floor.

Conclusions (I): No roof is a wall.

Conclusions (II): Some floors are roofs.

- Ans
- ☐ 1. Only conclusion (I) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☐ 4. Only conclusion (II) follows.

Q.13 All 43 people are standing in a row, facing North. Kishor is 24th from the left-end while Monu is 12th from the right-end. How many people are there between Kishor and Monu?

- Ans
- ☐ 1. 8
 - ☐ 2. 6
 - ☒ 3. 7
 - ☐ 4. 5

Q.14 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. LP-KN
 - ☐ 2. EI-DG
 - ☐ 3. HL-GJ
 - ☒ 4. BF-AC



Q.15 In a certain code language, 'YARN' is coded as '25#@' and 'ARTY' is coded as '#\$52'. What is the code for 'T' in the given code language?

- Ans**
- ☐ 1. 2
 - ☒ 2. \$
 - ☐ 3. #
 - ☐ 4. 5

Q.16 Select the number from among the given options that can replace the question mark (?) in the following series.
32 40 50 62 76 ?

- Ans**
- ☐ 1. 86
 - ☐ 2. 98
 - ☐ 3. 95
 - ☒ 4. 92

Q.17 Each of the digits in the number 2786431 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ 1. Two
 - ☐ 2. One
 - ☒ 3. None
 - ☐ 4. Three

Q.18 Paula starts from Point A and drives 5 km towards South. He then takes a right turn, drives 9 km, turns right and drives 13 km. He then takes a right turn and drives 11 km. He takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 2 km to the West
 - ☐ 2. 5 km to the West
 - ☐ 3. 6 km to the North
 - ☐ 4. 4 km to the East

Q.19 Seven people, I, J, K, L, P, Q and R are sitting in a row, facing north. Only two people sit between J and I. Only P sits to the right of K. Only one person sits between I and K. Q sits at some place to the right of L but at some place to the left of R. How many people sit between R and L?

- Ans**
- ☐ 1. Three
 - ☐ 2. One
 - ☐ 3. Four
 - ☒ 4. Two

Q.20 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SACK - CSAK - KCAS
LEAP - ALEP - PAEL

- Ans**
- ☐ 1. PLAY - APLY - LAYP
 - ☐ 2. EMIT - MEIT - TMIE
 - ☒ 3. GOLD - LGOD - DLOG
 - ☐ 4. TEMP - TMEP - PMET



Q.21 Seven people A, B, C, D, E, F and G are sitting in a row, facing the north. F sits sixth from the right end of the row. Only two people sit between E and F. A sits to the right of E but left of G. D sits third to the left of C. How many people sit to the right of B?

- Ans**
- ☒ 1. Three
 - ☒ 2. Four
 - ☒ 3. Two
 - ☒ 4. Five

Q.22 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SAVE - EASV - AVSE
CROW - WRCO - ROCW

- Ans**
- ☒ 1. GROW - GORW - WORG
 - ☒ 2. TERM - METR - RETM
 - ☒ 3. DEWS - EDWS - SEWD
 - ☒ 4. JUST - TUJS - USJT

Q.23 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order.
Only two boxes are kept between C and E. Only A is kept above B. No box is kept below E. F is kept at some place below D but at some place above G.
How many boxes are kept between A and G?

- Ans**
- ☒ 1. 4
 - ☒ 2. 3
 - ☒ 3. 1
 - ☒ 4. 2

Q.24 In a certain code language, 'MEAT' is coded as '4257' and 'TURN' is coded as '1365'. What is the code for 'T' in the given code language?

- Ans**
- ☒ 1. 6
 - ☒ 2. 5
 - ☒ 3. 7
 - ☒ 4. 1

Q.25 This question is based on five, four-digit numbers given below.

(Left) 4138 2345 6367 5353 1276 (Right)

(Example: 6975 – First digit = 6, second digit = 9, third digit = 7 and fourth digit = 5)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the first digit of the largest number is multiplied to the second digit of the smallest number?

- Ans**
- ☒ 1. 12
 - ☒ 2. 17
 - ☒ 3. 14
 - ☒ 4. 15

Q.26 What will come in the place of the question mark (?) in the following equation, if '+' and 'x' are interchanged, and '-' and '÷' are interchanged?

$$46 - 2 \div 10 + 3 \times 24 = ?$$

- Ans**
- ☒ 1. 12
 - ☒ 2. 17
 - ☒ 3. 22
 - ☒ 4. 28



Q.27 What should come in place of the question mark (?) in the given series?

288 233 183 138 98 ?

- Ans**
- ☐ 1. 53
 - ☐ 2. 73
 - ☒ 3. 63
 - ☐ 4. 43

Q.28 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All oranges are melons.

All grapes are oranges.

Conclusions:

(I) Some melons are oranges.

(II) All grapes are melons.

- Ans**
- ☒ 1. Both conclusions (I) and (II) follow.
 - ☐ 2. Neither conclusion (I) nor (II) follows.
 - ☐ 3. Only conclusion (II) follows.
 - ☐ 4. Only conclusion (I) follows.

Q.29 1 is subtracted from each even digit of the number 95423671. Find the product of the digits that are third from the left and third from the right in the new number formed.

- Ans**
- ☐ 1. 10
 - ☐ 2. 8
 - ☐ 3. 0
 - ☒ 4. 15

Q.30 38 people are standing in a row facing North. Harman is 15th from the right end while Hinal is 13th from the left end. How many people are there between Harman and Hinal?

- Ans**
- ☐ 1. 8
 - ☐ 2. 9
 - ☒ 3. 10
 - ☐ 4. 7





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सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	03/09/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which reaction occurs when an alkoxide ion attacks a primary alkyl halide via SN2 mechanism?

- Ans
- ☒ 1. Arndt-Eistert synthesis
 - ☒ 2. Friedlaender synthesis
 - ☒ 3. Williamson synthesis
 - ☒ 4. Coumarin synthesis

Q.2 Jharkhand has announced its first tiger safari in the Barwadih Western Forest Range; it is a part of which tiger reserve?

- Ans
- ☒ 1. Bandipur Tiger Reserve
 - ☒ 2. Sanjay Gandhi Tiger Reserve
 - ☒ 3. Palamau Tiger Reserve
 - ☒ 4. Pench Tiger Reserve

Q.3 Hills of Kaimur, the easternmost part of the Vindhya Range, which begins near Jabalpur districts of Madhya Pradesh, ends near which district of Bihar?

- Ans
- ☒ 1. Patna
 - ☒ 2. Nawada
 - ☒ 3. Rohtas
 - ☒ 4. Munger

Q.4 Which of the following is true about the original jurisdiction of the Supreme Court of India?

- Ans
- ☒ 1. It reviews the decisions of tribunals
 - ☒ 2. It grants pardons to criminals
 - ☒ 3. It settles disputes between the Union and states
 - ☒ 4. It deals with criminal appeals only

Q.5 What is the disintegration of rocks into smaller fragments without any change in their chemical composition called?

- Ans
- ☒ 1. Exfoliation
 - ☒ 2. Block disintegration
 - ☒ 3. Mechanical weathering
 - ☒ 4. Frost Action



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Q.6 Which of the following is a major challenge for Indian cities due to rapid urbanisation?

Ans  1. Improved access to green spaces

 2. Decline in urban unemployment

 3. Pressure on infrastructure and services

 4. Enhanced walkability in all city zones

Q.7 The United Kingdom has signed an agreement to hand over Chagos Island to which of the following countries?

Ans  1. Indonesia

 2. Mauritius

 3. Malaysia

 4. Madagascar

Q.8 In which of the following cities was the 2nd edition of Khelo India Para Games 2025 held in March 2025?

Ans  1. Hyderabad

 2. Bengaluru

 3. Mumbai

 4. New Delhi

Q.9 What was the main characteristic of the Indian economy at the time of independence in 1947?

Ans  1. High per capita income

 2. Self-sufficiency in food grains

 3. Dominance of the industrial sector

 4. Predominantly agrarian with low productivity

Q.10 Which of these is a distinct feature of a statutory corporation in India?

Ans  1. It is fully owned by private shareholders and receives no government funding.

 2. It has no legal existence separate from the government.

 3. It is established by an Act, has a separate legal identity, and can sue or be sued.

 4. Its employees are considered government civil servants under the usual rules.

Q.11 Which of the following methods is used to rename a file or folder in MS Windows?

Ans  1. Double-click the file to open it

 2. Right-click the file and select 'Delete'

 3. Press 'Ctrl + R'

 4. Right-click the file and select 'Rename'

Q.12 What is the official name of Kerala's 2025 healthcare reform initiative?

Ans  1. Better Health Blueprint

 2. Care4Kerala Mission

 3. Comprehensive Health Kerala

 4. Kerala Health System Improvement Programme

Q.13 Who introduced the Bharatiya Vayuyan Adhiniyam that was passed in the Rajya Sabha in December 2024?

Ans  1. Ram Mohan Naidu

 2. Hardeep Singh Puri

 3. Jyotiraditya M Scindia

 4. Kiren Rijju



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Q.14 As of April 2025, what amount of monthly pension is given to players under Pandit Deendayal Upadhyay National Welfare Fund for Sportspersons (PDUNWFS) scheme?

- Ans**
- ☐ 1. ₹3,000
 - ☒ 2. ₹5,000
 - ☐ 3. ₹4,000
 - ☐ 4. ₹6,000

Q.15 Which of the following factors most influences the uneven distribution of population in India?

- Ans**
- ☐ 1. Language diversity
 - ☐ 2. Trade union policies
 - ☐ 3. National income
 - ☒ 4. Soil fertility and water availability

Q.16 Which of the following combinations of shortcut keys and functions is correctly matched?

- Ans**
- ☐ 1. Ctrl + Tab – Copies the selected text
 - ☒ 2. Ctrl + C – Copies content to the clipboard
 - ☐ 3. Ctrl + F – Switches between open tabs
 - ☐ 4. Ctrl + V – Finds a specific word in the document

Q.17 Which Indian judgment laid down the concept of 'Basic Structure' of the Constitution?

- Ans**
- ☐ 1. Golaknath v. State of Punjab
 - ☒ 2. Kesavananda Bharati v. State of Kerala
 - ☐ 3. Minerva Mills v. Union of India
 - ☐ 4. Maneka Gandhi v. Union of India

Q.18 Which law states that a compound always contains the same elements in the same proportion by mass?

- Ans**
- ☐ 1. Law of Conservation of Mass
 - ☒ 2. Law of Definite Proportions
 - ☐ 3. Law of Multiple Proportions
 - ☐ 4. Avogadro's Law

Q.19 Which of the following Indian players won ICC Men's Player of the Month for March 2025?

- Ans**
- ☐ 1. Rohit Sharma
 - ☐ 2. KL Rahul
 - ☐ 3. Virat Kohli
 - ☒ 4. Shreyas Iyer

Q.20 Which Indian institution, on 15 May 2025, collaborated with Japan's Sharp Semiconductor Innovation Corporation (SSIC) to successfully test Beyond 5G (B5G) and 6G wireless technologies?

- Ans**
- ☒ 1. Indian Institute of Technology Hyderabad (IIT-H)
 - ☐ 2. Indian Institute of Technology Madras (IIT-M)
 - ☐ 3. Indian Institute of Technology Bombay (IIT-B)
 - ☐ 4. Indian Institute of Technology Delhi (IIT-D)



Q.21 Who among the following joined the Planning Commission as its Vice-Chairman in March 1950?

- Ans**
- ☐ 1. Jagjeevan Ram
 - ☐ 2. Shyama Prasad Mukherjee
 - ☐ 3. John Mathai
 - ☒ 4. Gulzarilal Nanda

Q.22 Which Indian athlete broke the women's shot put indoor national record at the Mountain West Indoor Track and Field Championships 2025?

- Ans**
- ☐ 1. Navjeet Kaur Dhillon
 - ☐ 2. Kamalpreet Kaur
 - ☐ 3. Manpreet Kaur
 - ☒ 4. Krishna Jayasankar

Q.23 Which Indian Army unit represented India in VINBAX, conducted in November 2024?

- Ans**
- ☐ 1. Gorkha Rifles
 - ☒ 2. Corps of Engineers
 - ☐ 3. Mechanised Infantry Regiment
 - ☐ 4. Parachute Regiment

Q.24 Which tribal revolt in 1831-32 was led by Buddho Bhagat and targeted exploitative landlords and British officials?

- Ans**
- ☒ 1. Kol Revolt
 - ☐ 2. Bhil Revolt
 - ☐ 3. Munda Revolt
 - ☐ 4. Santhal Revolt

Q.25 Which renewable energy source has the largest installed capacity in India as of the year 2025?

- Ans**
- ☒ 1. Solar energy
 - ☐ 2. Hydro power
 - ☐ 3. Wind energy
 - ☐ 4. Geothermal energy

Q.26 Who among the following is eligible to be appointed as the Chairperson of the Lokpal, as per the Lokpal and Lokayuktas Act, 2013?

- Ans**
- ☐ 1. A retired Cabinet Secretary of India
 - ☐ 2. A sitting judge of a High Court
 - ☐ 3. A current Member of Parliament
 - ☒ 4. A former Judge of the Supreme Court

Q.27 In which of the following years was the Central Goods and Services Tax Act enacted?

- Ans**
- ☐ 1. 2007
 - ☐ 2. 2013
 - ☐ 3. 2009
 - ☒ 4. 2017

Q.28 Which river from the following originates from the Amarkantak Plateau?

- Ans**
- ☐ 1. Mahanadi
 - ☐ 2. Ganga
 - ☒ 3. Narmada
 - ☐ 4. Tapti



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Q.29 What is the main objective of the Khelo India scheme?

- Ans**
- ✓ 1. Strengthen sports culture and identify young talent
 - ✗ 2. Promote yoga in schools and colleges
 - ✗ 3. Build sport organisations and stadiums in metro cities
 - ✗ 4. Encourage traditional games and sports

Q.30 In which year was the first cases of the disease now known as acquired immunodeficiency syndrome (AIDS) identified?

- Ans**
- ✗ 1. 1988
 - ✓ 2. 1981
 - ✗ 3. 1992
 - ✗ 4. 1977

Q.31 The Pallava kings adopted which title to reflect that their rule was guided by the principles of the Dharmashastras?

- Ans**
- ✗ 1. Maharajadhiraja
 - ✗ 2. Chakravarti
 - ✓ 3. Dharma-Maharaja
 - ✗ 4. Rajadhiraja

Q.32 What is the tenure duration of Justice BR Gavai as the Chief Justice of India?

- Ans**
- ✗ 1. 1 year
 - ✓ 2. 6 months
 - ✗ 3. 2 years
 - ✗ 4. 3 years

Q.33 The 91st Amendment of the Indian Constitution was enacted in which year?

- Ans**
- ✗ 1. 2000
 - ✗ 2. 1989
 - ✗ 3. 1978
 - ✓ 4. 2003

Q.34 Which Schedule of the Constitution deals with the administration of Scheduled Areas in states, other than the Northeast?

- Ans**
- ✗ 1. Ninth Schedule
 - ✗ 2. Seventh Schedule
 - ✓ 3. Fifth Schedule
 - ✗ 4. Sixth Schedule

Q.35 What does globalisation mainly mean in economic terms?

- Ans**
- ✗ 1. Closing borders
 - ✓ 2. Connecting to the world economy
 - ✗ 3. Limiting trade
 - ✗ 4. Stopping foreign investment

Q.36 The five village committees (variyaams) such as neernilai varyiam and needhi varyiam were a unique administrative feature of which of the following dynasties?

- Ans**
- ✓ 1. Pandyas
 - ✗ 2. Guptas
 - ✗ 3. Satavahanas
 - ✗ 4. Mauryas



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Q.37 Where and when is the final in-flight testing of the Kaveri Derivative Engine (KDE) scheduled, as part of its certification process?

- Ans**
- ☐ 1. India, early 2025
 - ☒ 2. Russia, late 2025
 - ☐ 3. China, mid-2026
 - ☐ 4. France, late 2025

Q.38 Technological innovation was key to the success of the Green Revolution. The success of HYV seeds in India was contingent on which critical input?

- Ans**
- ☐ 1. Forest cover
 - ☐ 2. Hand tools
 - ☒ 3. Chemical fertilisers
 - ☐ 4. Organic compost

Q.39 Which country took over the Chairmanship of the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP) on 1 January 2025?

- Ans**
- ☐ 1. Canada
 - ☒ 2. Australia
 - ☐ 3. Japan
 - ☐ 4. New Zealand

Q.40 Who was the Chief Architect behind the integration of over 560 princely states into the Indian Union?

- Ans**
- ☒ 1. Sardar Vallabhbhai Patel
 - ☐ 2. Lord Mountbatten
 - ☐ 3. Jawaharlal Nehru
 - ☐ 4. Rajendra Prasad

Section : Mathematics

Q.1 The H.C.F. and the L.C.M. of two numbers are 4 and 208 respectively. If one of the numbers is 52, find the other one.

- Ans**
- ☐ 1. 45
 - ☐ 2. 55
 - ☒ 3. 16
 - ☐ 4. 8

Q.2 Find the perimeter of a rectangular plot whose length is 68 m and area is 1904 m².

- Ans**
- ☒ 1. 192 m
 - ☐ 2. 165 m
 - ☐ 3. 186 m
 - ☐ 4. 174 m

Q.3 Find the simple interest (in ₹) on ₹3,000 as a sum borrowed at 8% per year rate of interest for 6 years.

- Ans**
- ☒ 1. 1,440
 - ☐ 2. 1,480
 - ☐ 3. 1,380
 - ☐ 4. 1,400



Q.4 The selling price of 25 books is equal to the cost price of 37 books. Find the loss or gain percentage.

Ans ☐ 1. 48% loss

☐ 2. $\frac{100}{12}\%$ loss

☐ 3. $\frac{100}{12}\%$ gain

☒ 4. 48% gain

Q.5 A number when increased by 80% gives 2880. The number is:

Ans ☒ 1. 1600

☐ 2. 800

☐ 3. 3200

☐ 4. 4800

Q.6 The sum of five numbers is 655. The average of the first two numbers is 80 and the third number is 105. Find the average of the remaining two numbers.

Ans ☐ 1. 185

☐ 2. 196

☐ 3. 186

☒ 4. 195

Q.7 David bought some sharpeners at the rate of ₹150 a dozen. He sold them for ₹43 each. His profit percentage is ____%.

Ans ☐ 1. 242

☒ 2. 244

☐ 3. 248

☐ 4. 246

Q.8 Simplify: $x(3x - 8) + 3(x^2 - 5) + 11$

Ans ☐ 1. $-6x^2 - 8x - 4$

☐ 2. $6x^2 - 8x + 4$

☐ 3. $-6x^2 - 8x + 4$

☒ 4. $6x^2 - 8x - 4$

Q.9 Two times the present age of P exceeds the present age of Q by 15 years. After 9 years, twice Q's age will be 14 years less than twice P's age at that time. What is the present age (in years) of Q?

Ans ☐ 1. 3

☐ 2. 8

☒ 3. 1

☐ 4. 6

Q.10 Which of the following ratios is the greatest?

Ans ☐ 1. 48 : 90

☒ 2. 46 : 51

☐ 3. 22 : 54

☐ 4. 42 : 68



Q.11 Anshuman and Kunal together invested ₹70,400 in a business. At the end of the year, out of a total profit of ₹12,000, Kunal's share was ₹1,800. What was the difference between their investments?

- Ans**
- ☐ 1. ₹48,614
 - ☐ 2. ₹50,554
 - ☒ 3. ₹49,280
 - ☐ 4. ₹47,329

Q.12 The LCM of the numbers 2.9 and 0.031 is:

- Ans**
- ☐ 1. 899
 - ☐ 2. 8.99
 - ☐ 3. 0.899
 - ☒ 4. 89.9

Q.13 The number of prime numbers lying between 397 and 407, both included, is:

- Ans**
- ☐ 1. 1
 - ☐ 2. 4
 - ☐ 3. 6
 - ☒ 4. 2

Q.14 In an election between two candidates 96 % of the registered voters cast their vote and 10 % of the votes polled were found invalid. Winning candidate got 57 % of the valid votes and won the election by a margin of 378 votes. How many voters were registered?

- Ans**
- ☐ 1. 3123
 - ☐ 2. 3122
 - ☐ 3. 21872
 - ☒ 4. 3125

Q.15 A piece of furniture is marked at 35% above its cost price. The shopkeeper gives a discount of 18% on the marked price and still earns ₹1,498 profit. What is the cost price of the furniture?

- Ans**
- ☐ 1. ₹16,000
 - ☐ 2. ₹12,000
 - ☒ 3. ₹14,000
 - ☐ 4. ₹15,000

Q.16 The simple interest on a certain sum for $8\frac{1}{2}$ years at the rate of 3.2% per annum is ₹2,550.

What will be the amount payable on the same sum at the rate of 9.6% per annum simple interest in $5\frac{4}{5}$ years?

- Ans**
- ☐ 1. ₹14,613
 - ☐ 2. ₹14,609
 - ☐ 3. ₹14,583
 - ☒ 4. ₹14,595

Q.17 Evaluate 24^2 .

- Ans**
- ☒ 1. 576
 - ☐ 2. 546
 - ☐ 3. 626
 - ☐ 4. 536



Q.18 Ishaan and Meghna have to travel from Delhi to Kanpur in their respective cars. Ishaan is driving at 147 km/hr while Meghna is driving at 42 km/hr. Find the time taken by Meghna to reach Kanpur if Ishaan takes 8 hours.

- Ans**
- ☐ 1. 32 hours
 - ☐ 2. 19 hours
 - ☐ 3. 33 hours
 - ☒ 4. 28 hours

Q.19 The marked price of a vehicle is ₹6,48,200. It is sold after allowing three successive discounts of 6%, 5% and 4%. Find its selling price. (Rounded off to nearest rupee)

- Ans**
- ☒ 1. ₹5,55,689
 - ☐ 2. ₹5,70,650
 - ☐ 3. ₹5,60,789
 - ☐ 4. ₹5,48,600

Q.20 The exterior angle of a regular polygon is one-seventh of its interior angle. How many sides does the polygon have?

- Ans**
- ☐ 1. 18
 - ☐ 2. 24
 - ☐ 3. 12
 - ☒ 4. 16

Q.21 The product of two positive numbers is 2645. If the first number is five times the second number, then the sum of the two numbers is:

- Ans**
- ☒ 1. 138
 - ☐ 2. 149
 - ☐ 3. 146
 - ☐ 4. 155

Q.22 The average runs scored by a batsman in 23 matches is 43. In the next 10 matches, the batsman scored an average of 15 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

- Ans**
- ☐ 1. 33.52
 - ☐ 2. 35.52
 - ☒ 3. 34.52
 - ☐ 4. 36.52

Q.23 The number 938315 is divisible by which of the following?

- Ans**
- ☐ 1. 12
 - ☐ 2. 13
 - ☒ 3. 5
 - ☐ 4. 9

Q.24 An amount of ₹785 is divided among three persons in the ratio of 19 : 3 : 18. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans**
- ☐ 1. 387
 - ☐ 2. 315
 - ☒ 3. 314
 - ☐ 4. 369



Q.25 Aaro hi has to reach Lucknow which is 907 km away in 14 hours. His starting speed for 5 hours was 32 km/hr. For the next 81 km his speed was 27 km/hr. By what speed he must travel now so as to reach Lucknow in the decided time of 14 hours?

- Ans
- ☐ 1. 108 km/hr
 - ☐ 2. 117 km/hr
 - ☐ 3. 107 km/hr
 - ☒ 4. 111 km/hr

Q.26 A can do a work in 11 days and B can do the same work in 24 days. If they work on it together for 2 days, then what fraction of the work is left?

- Ans
- ☐ 1. $\frac{99}{132}$
 - ☐ 2. $\frac{107}{132}$
 - ☒ 3. $\frac{97}{132}$
 - ☐ 4. $\frac{103}{132}$

Q.27 Find the circumference (in m) of the largest circle that can be drawn completely inside a rectangle with sides 196 m and 271 m.

(Take $\pi = \frac{22}{7}$.)

- Ans
- ☐ 1. 613
 - ☒ 2. 616
 - ☐ 3. 608
 - ☐ 4. 614

Q.28 The value of $\sqrt{400} + \sqrt{0.0121} - \sqrt{7.84}$ is ____.

- Ans
- ☒ 1. 17.31
 - ☐ 2. 4.24
 - ☐ 3. 2.92
 - ☐ 4. 15.32

Q.29 Anjani can do a certain piece of work in 12 days. Anjani and Khushbu can together do the same work in 9 days, and Anjani, Khushbu and Sushmita can do the same work together in 8 days. In how many days can Anjani and Sushmita do the same work together?

- Ans
- ☒ 1. $\frac{72}{7}$
 - ☐ 2. $\frac{70}{7}$
 - ☐ 3. $\frac{80}{8}$
 - ☐ 4. $\frac{82}{9}$



Q.30 If $6x = \operatorname{cosec} \theta$ and $\frac{6}{x} = \cot \theta$, then find the value of $18\left(x^2 - \frac{1}{x^2}\right)$.

Ans

- ☒ 1. $\frac{\sqrt{3}}{2}$
- ☒ 2. $-\frac{1}{2}$
- ☒ 3. $\frac{1}{2}$
- ☒ 4. $\frac{1}{3}$

Section : General Intelligence and Reasoning

Q.1 In a certain code language, 'RACK' is coded as '3192' and 'JACK' is coded as '1326'. What is the code for 'J' in the given code language?

Ans

- ☒ 1. 6
- ☒ 2. 1
- ☒ 3. 3
- ☒ 4. 2

Q.2 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

No watch is a bow.
No bow is a tie.

Conclusions:

(I) No watch is a tie.
(II) No bow is a watch.

Ans

- ☒ 1. Both conclusions (I) and (II) follow.
- ☒ 2. Only conclusion (I) follows.
- ☒ 3. Neither conclusion (I) nor (II) follows.
- ☒ 4. Only conclusion (II) follows.

Q.3 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$17 \div 3 + 49 \times 7 - 13 = ?$$

Ans

- ☒ 1. 41
- ☒ 2. 57
- ☒ 3. 45
- ☒ 4. 43

Q.4 What should come in place of the question mark (?) in the given series?

691 692 690 691 689 690 688 ?

Ans

- ☒ 1. 688
- ☒ 2. 689
- ☒ 3. 687
- ☒ 4. 690



Q.5 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

25, 100
21, 84

- Ans**
- ☐ 1. 28, 102
 - ☐ 2. 40, 180
 - ☒ 3. 32, 128
 - ☐ 4. 35, 120

Q.6 In a certain code language,
A \$ B means 'A is the daughter of B'
A + B means 'A is the brother of B'
A @ B means 'A is the wife of B'
A ÷ B means 'A is the father of B'
Based on the above, how is E related to N if 'E \$ F @ G ÷ M + N'?

- Ans**
- ☐ 1. Mother
 - ☐ 2. Daughter
 - ☐ 3. Wife
 - ☒ 4. Sister

Q.7 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. NQL
 - ☐ 2. EHC
 - ☐ 3. UXS
 - ☒ 4. LKO

Q.8 Manoj starts from Point A and drives 9 km towards north. He then takes a right turn, drives 6 km, turns right and drives 3 km. He then takes a left turn and drives 5 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 9 km towards south
 - ☐ 2. 9 km towards west
 - ☐ 3. 11 km towards east
 - ☒ 4. 11 km towards west

Q.9 In a certain code language, 'mud depth urn' is coded as 'qz bd aa' and 'rain dog mud' is coded as 'bd gl kn'. How is 'mud' coded in the given code language?

- Ans**
- ☐ 1. qz
 - ☐ 2. aa
 - ☐ 3. gl
 - ☒ 4. bd



Q.10 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All stars are rectangles.

All cones are rectangles.

Conclusions:

(I): Some stars are cones.

(II): Some rectangles are cones.

- Ans**
- ☒ 1. Both conclusions (I) and (II) follow.
 - ☒ 2. Only conclusion (II) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Only conclusion (I) follows.

Q.11 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. ZUX
 - ☒ 2. VQU
 - ☒ 3. XSV
 - ☒ 4. QLO

Q.12 Seven people A, B, C, D, E, F and G are sitting in a row, facing the north. No one sits to the right of G. Only four people sit between E and F. C sits fifth from the right end of the row. B sits to the immediate right of A but left of E. How many people sit to the right of D?

- Ans**
- ☒ 1. Four
 - ☒ 2. Three
 - ☒ 3. Two
 - ☒ 4. Five

Q.13 Six friends, B, C, D, E, F and N, are sitting in a straight line, facing north. No one sits to the right of D. Only two people sit between D and B. Only one person sits between E and C. F sits third to the right of E. How many people sit between N and F?

- Ans**
- ☒ 1. Two
 - ☒ 2. One
 - ☒ 3. Zero
 - ☒ 4. Three

Q.14 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

WTX SPT OLP KHL ?

- Ans**
- ☒ 1. GCH
 - ☒ 2. GDI
 - ☒ 3. GCI
 - ☒ 4. GDH



Q.15 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit. Counting to be done from left to right.

(Left) 6 @ 8 \$ 7 1 * 2 + £ 5 & 3 Ω 9 # % 4 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another symbol?

Ans  1. 2

 2. 4

 3. 3

 4. 1

Q.16 Pratik starts from Point A and drives 10 km towards the north. He then takes a right turn and drives 8 km, then turns right and drives 17 km. He then takes a right turn and drives 10 km. He takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

Ans  1. 2 km to the west

 2. 2 km to the east

 3. 3 km to the east

 4. 3 km to the west

Q.17 What should come in place of the question mark (?) in the given series?

14 26 49 81 124 ?

Ans  1. 178

 2. 167

 3. 187

 4. 176

Q.18 Each of the digits in the number 1593486 is arranged in the ascending order from left to right. What will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

Ans  1. 12

 2. 10

 3. 8

 4. 9

Q.19 WFJU is related to YILX in a certain way based on the English alphabetical order. In the same way, ERRG is related to GUTJ. To which of the given options is KAXP related, following the same logic?

Ans  1. MZSD

 2. MXZS

 3. MDZS

 4. MDSZ

Q.20 What should come in place of the question mark (?) in the given series?

35 44 55 68 83 ?

Ans  1. 116

 2. 122

 3. 100

 4. 128



Q.21 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

SOLD - OSLD - DOSL
BAKE - ABKE - EABK

- Ans**
- ☐ 1. CURD - CRUD - DRUC
 - ☐ 2. CAME - ACME - AMEC
 - ☐ 3. MILK - IMLK - KILM
 - ☒ 4. NEAM - ENAM - MENA

Q.22 90 people are standing in a row facing north. Mr. Leu is 16th from the right end, while Mr. Sanga is 39th from the left end. How many people are there between Mr. Leu and Mr. Sanga?

- Ans**
- ☐ 1. 37
 - ☐ 2. 34
 - ☐ 3. 32
 - ☒ 4. 35

Q.23 Each of the digits in the number 7812345 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ 1. None
 - ☐ 2. Two
 - ☐ 3. One
 - ☐ 4. Three

Q.24 43 people are standing in a row facing north. Kumar is 29th from the left end while Mohana is 9th from the right end. How many people are there between Kumar and Mohana?

- Ans**
- ☐ 1. Two
 - ☐ 2. Four
 - ☐ 3. Three
 - ☒ 4. Five

Q.25 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Note: All numbers are single digit numbers only.)

(Left) 5 @ 1 £ 3 * 4 7 + \$ 9 % 6 2 & 8 Ω # (Right)

If all the number are dropped from the series, which of the following will be sixth from the right?

- Ans**
- ☒ 1. +
 - ☐ 2. @
 - ☐ 3. *
 - ☐ 4. \$

Q.26 Seven boxes, A, B, C, D, M, N and O, are kept one over the other but not necessarily in the same order. Only three boxes are kept below D. Only two boxes are kept between D and O. Only A is kept above M. C is kept at some place below B and at some place above N. Which box is kept at the second position from the bottom?

- Ans**
- ☐ 1. O
 - ☐ 2. A
 - ☐ 3. D
 - ☒ 4. N



Q.27 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then what will come in place of the question mark (?) in the following equation?

$$18 \text{ B } 3 \text{ D } 112 \text{ A } 16 \text{ C } 6 = ?$$

- Ans**
- ☒ 1. 53
 - ☐ 2. 57
 - ☐ 3. 49
 - ☐ 4. 45

Q.28 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CHR HMW MRB RWG ?

- Ans**
- ☐ 1. WLB
 - ☐ 2. WKL
 - ☐ 3. WLK
 - ☒ 4. WBL

Q.29 FHNR is related to MMSY in a certain way based on the English alphabetical order. In the same way, HBHT is related to OGMA. To which of the given options is CQWO related, following the same logic?

- Ans**
- ☐ 1. JVV B
 - ☒ 2. JVB V
 - ☐ 3. BVV J
 - ☐ 4. JBV V

Q.30 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. SMHD
 - ☐ 2. BWQM
 - ☐ 3. QLFB
 - ☐ 4. GBVR





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	03/09/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 In May 2025, which venture capital firm launched a new investment vertical to support startups in India's defence and strategic technology sectors?

- Ans**
- ☒ 1. Titan Capital
 - ☐ 2. Nexus Venture Partners
 - ☐ 3. Accel Partners
 - ☐ 4. Sequoia Capital

Q.2 Which of the following states shares its boundary with Bangladesh?

- Ans**
- ☐ 1. Nagaland
 - ☐ 2. Arunachal Pradesh
 - ☐ 3. Odisha
 - ☒ 4. Tripura

Q.3 Which Indian state announced a ₹6,124 crore investment to boost road connectivity and infrastructure expansion in 2025?

- Ans**
- ☒ 1. Uttar Pradesh
 - ☐ 2. Maharashtra
 - ☐ 3. Gujarat
 - ☐ 4. Tamil Nadu

Q.4 Which among the following developed Bhargavastra, a multi-layered counter-drone system designed to neutralise drone threats, in May 2025?

- Ans**
- ☐ 1. Bharat Electronics
 - ☒ 2. Solar Defence and Aerospace Limited
 - ☐ 3. Defence Research and Development Organisation
 - ☐ 4. Tata Advanced Systems

Q.5 In May 2025, China announced visa-free access for all member states of which regional organisation?

- Ans**
- ☐ 1. Association of Southeast Asian Nations (ASEAN)
 - ☐ 2. European Union (EU)
 - ☒ 3. Gulf Cooperation Council (GCC)
 - ☐ 4. South Asian Association for Regional Cooperation (SAARC)



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Q.6 In May 2025, the Indian Army held the 'Teesta Prahar' integrated field exercise in which state to demonstrate operational readiness and combined operational capabilities?

- Ans**
- ☐ 1. Madhya Pradesh
 - ☒ 2. West Bengal
 - ☐ 3. Assam
 - ☐ 4. Rajasthan

Q.7 The village headman during the Gupta period was commonly known as ____.

- Ans**
- ☐ 1. Mahattara
 - ☐ 2. Uparika
 - ☐ 3. Amatyas
 - ☒ 4. Gramadhyaksha

Q.8 What was the major demographic feature of India at the time of independence?

- Ans**
- ☐ 1. High life expectancy
 - ☒ 2. High death rate and infant mortality
 - ☐ 3. Aging population
 - ☐ 4. Low birth rate

Q.9 The seeds of which plant of the Fabaceae family are used as a spice, flavouring agent and food supplement?

- Ans**
- ☐ 1. Dolichos oleifera lablab
 - ☒ 2. Trigonella foenum graecum
 - ☐ 3. Cajanus cajan
 - ☐ 4. Arachis hypogea

Q.10 The First Backward Classes Commission was appointed in which year?

- Ans**
- ☐ 1. 1967
 - ☐ 2. 1966
 - ☒ 3. 1953
 - ☐ 4. 1993

Q.11 The Fiscal Responsibility and Budget Management (FRBM) Act set limits on the fiscal deficit and public debt. What was the fiscal deficit target under the original FRBM Act by 2008-09?

- Ans**
- ☐ 1. 4.5% of GDP
 - ☐ 2. Zero deficit
 - ☐ 3. 6% of GDP
 - ☒ 4. 3% of GDP

Q.12 Which two researchers independently suggested that acid-base reactions could be thought of as proton-transfer reactions for the first time, in 1923?

- Ans**
- ☐ 1. Guillaume F Rouelle and Humphry Davy
 - ☐ 2. Svante Arrhenius and Peter Waage
 - ☐ 3. Gilbert N Lewis and SPL Sorensen
 - ☒ 4. JN Brønsted and Thomas M Lowry

Q.13 The 105th Constitutional Amendment Act, 2021, is related to which of the following?

- Ans**
- ☐ 1. Creation of a National Judicial Commission
 - ☐ 2. GST reforms
 - ☒ 3. Powers of state governments to identify OBCs
 - ☐ 4. Women's reservation



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Q.14 The Ministry of Statistics and Programme Implementation (MoSPI) released which edition of its publication titled 'Women and Men in India 2024: Selected Indicators and Data' in April 2025?

- Ans**
- ☐ 1. 20th
 - ☐ 2. 22nd
 - ☒ 3. 26th
 - ☐ 4. 30th

Q.15 Who among the following Grammy-winning Indian musicians was awarded the Padma Shri in 2025?

- Ans**
- ☐ 1. Shankar Mahadevan
 - ☒ 2. Ricky Kej
 - ☐ 3. Zakir Hussain
 - ☐ 4. AR Rahman

Q.16 Who among the following is the first African woman to assume office as the Commonwealth Secretary General in April 2025?

- Ans**
- ☐ 1. Tansu Ciller
 - ☐ 2. Hanna Suchocka
 - ☐ 3. Sylvie Kinigi
 - ☒ 4. Shirley Botchwey

Q.17 Which of the following Indian languages is spoken mainly in the state of Odisha?

- Ans**
- ☐ 1. Punjabi
 - ☒ 2. Odia
 - ☐ 3. Marathi
 - ☐ 4. Kannada

Q.18 Which of the following courts is known as the 'Guardian of the Constitution' in India?

- Ans**
- ☐ 1. District Court
 - ☐ 2. High Court
 - ☒ 3. Supreme Court
 - ☐ 4. Lok Adalat

Q.19 Transition elements are generally found in which block of the periodic table?

- Ans**
- ☐ 1. s-block
 - ☐ 2. p-block
 - ☒ 3. d-block
 - ☐ 4. f-block

Q.20 What does the abbreviation EBCDIC stand for?

- Ans**
- ☐ 1. Encoded Binary Character Data Interchange Code
 - ☒ 2. Extended Binary Coded Decimal Interchange Code
 - ☐ 3. Extended Binary Code for Digital Information Communication
 - ☐ 4. Electronic Binary Code for Data Interchange Communication

Q.21 The India Infrastructure Report 2023, released in December 2023 by Shri M Venkaiah Naidu, is related to _____.

- Ans**
- ☐ 1. Forest Planning and Development
 - ☐ 2. Coastal Planning and Development
 - ☒ 3. Urban Planning and Development
 - ☐ 4. Rural Planning and Development



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Q.22 Which of the following was NOT a component of globalisation in India's economic reforms?

- Ans**
- ☒ 1. Allowing foreign technology
 - ☒ 2. Promoting local-only trade
 - ☒ 3. Encouraging foreign direct investment
 - ☒ 4. Liberalising imports

Q.23 Which of the following Indian players won two Olympic medals in a single edition of the Games in Paris 2025 and was awarded with Major Dhyan Chand Khel Ratna Award in January 2025?

- Ans**
- ☒ 1. Swapnil Suresh Kusale
 - ☒ 2. Minu Bhaker
 - ☒ 3. Sarabjot Singh
 - ☒ 4. Manu Bhaker

Q.24 Who among the following inaugurated seventh edition of the Khelo India Youth Games 2025 held at Bihar?

- Ans**
- ☒ 1. Narendra Modi
 - ☒ 2. Arif Mohammad Khan
 - ☒ 3. Nitish Kumar
 - ☒ 4. Mansukh Mandaviya

Q.25 In a State government, a minister holds office:

- Ans**
- ☒ 1. for a fixed five-year term
 - ☒ 2. during the pleasure of the Governor
 - ☒ 3. as long as they enjoy the confidence of the State Legislative Council
 - ☒ 4. during the pleasure of the President

Q.26 Which unit of the Indonesian Special Forces participated in Exercise GARUD SHAKTI, held in November 2024?

- Ans**
- ☒ 1. Kostrad
 - ☒ 2. Marinir
 - ☒ 3. TNI-AU
 - ☒ 4. Kopassus

Q.27 Which body is responsible for recruitment to All India Services like IAS and IPS?

- Ans**
- ☒ 1. Election Commission
 - ☒ 2. Comptroller and Auditor General
 - ☒ 3. Finance Commission
 - ☒ 4. Union Public Service Commission

Q.28 The Paris Agreement, adopted in 2015, aims to:

- Ans**
- ☒ 1. limit global temperature rise
 - ☒ 2. halt desertification
 - ☒ 3. eliminate air pollution
 - ☒ 4. promote water conservation

Q.29 Which of the following was NOT a kingdom based on the modern-day Tamil Nadu?

- Ans**
- ☒ 1. Rashtrakutas
 - ☒ 2. Chola
 - ☒ 3. Chera
 - ☒ 4. Pandya



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Q.30 Slump is a type of:

- Ans**
- ☐ 1. rock fall
 - ☐ 2. weathering
 - ☐ 3. erosion
 - ☒ 4. landslide

Q.31 What was Gandhi's view about the relation between means and ends in Satyagraha?

- Ans**
- ☐ 1. Only ends matter, not the means.
 - ☐ 2. The ends justify the means.
 - ☐ 3. Violence is necessary for pure ends.
 - ☒ 4. Pure ends require pure means.

Q.32 Where was the semicryogenic engine hot test held in April 2025?

- Ans**
- ☒ 1. ISRO Propulsion Complex, Mahendra Giri
 - ☐ 2. Vikram Sarabhai Space Centre, Thiruvananthapuram
 - ☐ 3. Satish Dhawan Space Centre, Sriharikota
 - ☐ 4. Down Range Station, Port Blair

Q.33 When was the Mines Act enacted in India?

- Ans**
- ☐ 1. 1962
 - ☐ 2. 1972
 - ☐ 3. 1982
 - ☒ 4. 1952

Q.34 Which type of Indian cinema refers to commercial, mainstream films primarily produced in Hindi, known for their songs, drama and spectacle?

- Ans**
- ☐ 1. Indie films
 - ☐ 2. Regional cinema
 - ☒ 3. Bollywood
 - ☐ 4. Parallel cinema

Q.35 The infamous Jallianwala Bagh massacre occurred when Gandhi called all the Indians to observe April 6, 1919, as a day of non-violent protest against which of the following colonial policies?

- Ans**
- ☐ 1. Partition of Bengal
 - ☒ 2. Rowlatt Act
 - ☐ 3. Simon Commission
 - ☐ 4. Minto-Morley reforms

Q.36 What does the Constitution of India stipulate regarding the composition of the Election Commission of India (ECI)?

- Ans**
- ☐ 1. It is constitutionally fixed as a single-member body headed by the Chief Election Commissioner (CEC) only.
 - ☐ 2. It must always be a three-member body (one Chief Election Commissioner and two Election Commissioners).
 - ☐ 3. It must include one Election Commissioner from each major state to ensure federal balance
 - ☒ 4. It may be single or multi-member; initially, there was only a Chief Election Commissioner until 1989.

Q.37 What does the abbreviation ASCII stand for?

- Ans**
- ☐ 1. Automated System Code for International Interfacing
 - ☒ 2. American Standard Code for Information Interchange
 - ☐ 3. Advanced Standard Communication for Information Integration
 - ☐ 4. American Standard Code for Internet Information



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Q.38 Which of the following Biosphere Reserves is located in Madhya Pradesh?

- Ans**
- ☐ 1. Manas Biosphere Reserve
 - ☐ 2. Nanda Biosphere Reserve
 - ☐ 3. Similipal Biosphere Reserve
 - ☒ 4. Panna Biosphere Reserve

Q.39 Which of the following leaders is associated with the concept of 'Drain of Wealth' theory?

- Ans**
- ☐ 1. Subhash Chandra Bose
 - ☐ 2. MG Ranade
 - ☒ 3. Dadabhai Naoroji
 - ☐ 4. C Rajagopalachari

Q.40 As per the Ministry of Ports, Shipping and Waterways of the Government of India, which port is known as the largest container port in India (as of May 2025)?

- Ans**
- ☒ 1. Nhava Sheva
 - ☐ 2. Chennai
 - ☐ 3. Kandla
 - ☐ 4. Paradip

Section : Mathematics

Q.1 The population of a district is 376000, out of which 230000 are males. 11% of the population is literate. If 11% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 12%
 - ☐ 2. 8%
 - ☐ 3. 9%
 - ☒ 4. 11%

Q.2 Praveen and Hemant start a business. Praveen invests ₹16,000 more than Hemant for 7 months and Hemant invests for 6 months. Praveen's share is ₹1,007 more than that of Hemant, out of a total profit of ₹7,049. Find the capital contributed by Praveen.

- Ans**
- ☐ 1. ₹1,28,142
 - ☐ 2. ₹1,27,842
 - ☐ 3. ₹1,28,112
 - ☒ 4. ₹1,28,000

Q.3 The angle made by a point on the ground and the top of a building with ground is 30° . If the point is x units distance away from the bottom of the building, then the height of the building (in units) is:

- Ans**
- ☐ 1. $\frac{x}{\sqrt{2}}$
 - ☐ 2. $\frac{x}{3}$
 - ☐ 3. $\frac{x}{2}$
 - ☒ 4. $\frac{x}{\sqrt{3}}$



Q.4 Sapna invested ₹21,100 on simple interest, partly at the rate of 6% per annum and partly at the rate of 14% per annum. If she earns equal interests from the two investments after 3 years, then find the sum invested at the rate of 6% per annum (in ₹).

- Ans**
- ☐ 1. 14,768
 - ☐ 2. 14,773
 - ☒ 3. 14,770
 - ☐ 4. 14,767

Q.5 The perimeter of an isosceles triangle is 184 cm. If the base is 44 cm, find the length of the equal sides (in cm).

- Ans**
- ☐ 1. 72
 - ☐ 2. 75
 - ☐ 3. 78
 - ☒ 4. 70

Q.6 If the interest earned during the 2nd year on a certain sum is ₹2,508, and the rate of interest is 20% per annum compounded annually, then the sum is:

- Ans**
- ☐ 1. ₹9,695
 - ☐ 2. ₹10,315
 - ☒ 3. ₹10,450
 - ☐ 4. ₹10,005

Q.7 Simplify: $x(3x - 9) + 3(x^2 - 2) + 14$

- Ans**
- ☒ 1. $6x^2 - 9x + 8$
 - ☐ 2. $-6x^2 - 9x - 8$
 - ☐ 3. $-6x^2 - 9x + 8$
 - ☐ 4. $6x^2 - 9x - 8$

Q.8 I bought two bicycles for ₹1,200. I sold the first one at a loss of 8% and the second at a gain of 17%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first bicycle.

- Ans**
- ☐ 1. 840
 - ☐ 2. 836
 - ☒ 3. 816
 - ☐ 4. 800

Q.9 The cost of 7 pens and 17 pencils is ₹92. If the cost of a pen decreases by ₹0.50 and the cost of a pencil increases by ₹8, then the cost of 8 pens and 14 pencils is ₹186. What is the original cost of 9 pens and 6 pencils?

- Ans**
- ☐ 1. ₹35
 - ☐ 2. ₹43
 - ☐ 3. ₹41
 - ☒ 4. ₹39

Q.10 In covering a distance of 110 km, Pranay takes 6 hours more than Aman. If Pranay doubles his speed, then he would take 5 hours less than Aman. Pranay's speed is:

- Ans**
- ☐ 1. 6 km/hr
 - ☒ 2. 5 km/hr
 - ☐ 3. 11 km/hr
 - ☐ 4. 14 km/hr



Q.11 An amount of ₹785 is divided among three persons in the ratio of 2 : 6 : 17. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans**
- ☒ 1. 471
 - ☐ 2. 496
 - ☐ 3. 566
 - ☐ 4. 434

Q.12 The sum of all interior angles of a regular polygon is 1620° . What is the measure (in degrees) of its each exterior angle?

- Ans**
- ☒ 1. $32\frac{8}{11}$
 - ☐ 2. $31\frac{8}{11}$
 - ☐ 3. $33\frac{8}{11}$
 - ☐ 4. $34\frac{8}{11}$

Q.13 The number 578289151 is divisible by which of the following?

- Ans**
- ☒ 1. 11
 - ☐ 2. 6
 - ☐ 3. 4
 - ☐ 4. 10

Q.14 If 2 times Mary's present age is 16 years more than 3 times Diya's present age, and 2 times Diya's present age is 2 years less than Mary's present age, then what is the difference (in years) between the ages of Mary and Diya?

- Ans**
- ☒ 1. 14
 - ☐ 2. 10
 - ☐ 3. 17
 - ☐ 4. 15

Q.15 A book with a printed price of ₹4,500 is available on successive discounts of 10%, 20% and 25%. Find the selling price of the book.

- Ans**
- ☐ 1. ₹2,420
 - ☒ 2. ₹2,430
 - ☐ 3. ₹2,440
 - ☐ 4. ₹2,410

Q.16 Evaluate: $(-9) - (-60) \div (-6) + (-3) \times 6$

- Ans**
- ☐ 1. -36
 - ☐ 2. -39
 - ☒ 3. -37
 - ☐ 4. -40

Q.17 The LCM of the numbers 4.8 and 0.024 is:

- Ans**
- ☐ 1. 0.048
 - ☒ 2. 4.8
 - ☐ 3. 0.48
 - ☐ 4. 48



Q.18 The marks scored by 10 students are given below.

10, 19, 18, 18, 13, 14, 16, 18, 16, 12

The mode of the data is:

- Ans
- ☐ 1. 13
 - ☒ 2. 18
 - ☐ 3. 19
 - ☐ 4. 10

Q.19 The H.C.F. and the L.C.M. of two numbers are 28 and 336, respectively. If one of the numbers is 112, find the other one.

- Ans
- ☐ 1. 140
 - ☒ 2. 84
 - ☐ 3. 112
 - ☐ 4. 56

Q.20 The selling price of 25 books is equal to the cost price of 5 books. Find the loss or gain percentage.

- Ans
- ☐ 1. $\frac{100}{20}\%$ gain
 - ☐ 2. 80% gain
 - ☐ 3. $\frac{100}{20}\%$ loss
 - ☒ 4. 80% loss

Q.21 Pipe A can fill a tank in 16 hours, pipe B can fill the same tank in 23 hours and pipe C can fill the same tank in 10 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ☐ 1. $10\frac{324}{379}$ hours
 - ☐ 2. $1\frac{324}{379}$ hours
 - ☐ 3. $13\frac{324}{379}$ hours
 - ☒ 4. $4\frac{324}{379}$ hours

Q.22 Given that $134^{0.78} = x$, $134^{0.52} = y$ and $x^z = y^8$, then the value of z is close to:

- Ans
- ☐ 1. 6.77
 - ☒ 2. 5.33
 - ☐ 3. 7.89
 - ☐ 4. 5.72

Q.23 If the 6-digit number N51M91 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans
- ☐ 1. $M + N = -4$
 - ☐ 2. $M = N$
 - ☐ 3. $M - N = 1$
 - ☒ 4. $M - N = 4$



Q.24 Arjun and Malaika have to travel from Delhi to Kanpur in their respective cars. Arjun is driving at 60 km/hr while Malaika is driving at 96 km/hr. Find the time taken by Malaika to reach Kanpur if Arjun takes 8 hours.

- Ans**
- ☒ 1. 5 hours
 - ☐ 2. 6 hours
 - ☐ 3. 9 hours
 - ☐ 4. 1 hours

Q.25 The average runs scored by a batsman in 23 matches is 40. In the next 10 matches, the batsman scored an average of 13 runs. Find his average runs scored (rounded off to two decimals) in all the 33 matches.

- Ans**
- ☒ 1. 31.82
 - ☐ 2. 33.82
 - ☐ 3. 32.82
 - ☐ 4. 30.82

Q.26 A cylindrical rod has an outer curved surface area of 7700 cm^2 . If the length of the rod is 95 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

$$\left(\text{Take } \pi = \frac{22}{7} \right)$$

- Ans**
- ☐ 1. 11.54
 - ☐ 2. 11.99
 - ☒ 3. 12.89
 - ☐ 4. 11.14

Q.27 Shifa can do a certain piece of work in 28 days. Shifa and Afiya can together do the same work in 20 days, and Shifa, Afiya and Mariyam can do the same work together in 10 days. In how many days can Shifa and Mariyam do the same work together?

- Ans**
- ☐ 1. $\frac{41}{3}$
 - ☐ 2. $\frac{39}{5}$
 - ☐ 3. $\frac{36}{4}$
 - ☒ 4. $\frac{35}{3}$

Q.28 What single discount is equivalent to three successive discounts of 24%, 26% and 18%? (Rounded off to two decimal places)

- Ans**
- ☒ 1. 53.88%
 - ☐ 2. 54.42%
 - ☐ 3. 54.94%
 - ☐ 4. 51.48%

Q.29 *By how much is 65% of 65 greater than $\frac{2}{5}$ of 45?*

- Ans**
- ☐ 1. 22.25
 - ☒ 2. 24.25
 - ☐ 3. 18.25
 - ☐ 4. 21.25



Q.30 Find the mean proportional between 28 and 252.

- Ans**
- ☐ 1. 81
 - ☐ 2. 83
 - ☒ 3. 84
 - ☐ 4. 86

Section : **General Intelligence and Reasoning**

Q.1 Kiran starts from Point A and drives 5 km towards south. He then takes a left turn, drives 7 km, turns left and drives 8 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 4 km to east
 - ☒ 2. 2 km to east
 - ☐ 3. 3 km to east
 - ☐ 4. 1 km to east

Q.2 All 103 students in a class are standing in a row facing north. Farah is 39th from the right end while Kanak is 52nd from the left end. How many people stand between Farah and Kanak?

- Ans**
- ☐ 1. 11
 - ☐ 2. 13
 - ☒ 3. 12
 - ☐ 4. 10

Q.3 D is the wife of O. O is the brother of M. M is the father of E. E is the daughter of S. How is D related to S?

- Ans**
- ☐ 1. Father's brother's mother
 - ☒ 2. Husband's brother's wife
 - ☐ 3. Father's brother's son
 - ☐ 4. Father's brother's daughter

Q.4 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

APES - EAPS - SEPA
FROM - OFRM - MORF

- Ans**
- ☐ 1. SANK - SNAK - KNAS
 - ☐ 2. RING - IRNG - GINR
 - ☒ 3. FIRM - RFIM - MRIF
 - ☐ 4. MEAL - AMEL - EALM

Q.5 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. XZD
 - ☐ 2. HJN
 - ☒ 3. EGL
 - ☐ 4. SUY



Q.6 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
RFG THI VJK XLM ?

- Ans**
- ☒ 1. ZNO
 - ☐ 2. ZNP
 - ☐ 3. YNO
 - ☐ 4. ZMO

Q.7 Each of the digits in the number 513946287 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

- Ans**
- ☐ 1. 11
 - ☐ 2. 13
 - ☒ 3. 9
 - ☐ 4. 5

Q.8 Seven people A, B, C, D, E, F and G are sitting in a row, facing north.
Only three people sit to the left of F. Only B sits to the right of D. Only three people sit between D and A. E sits at some place to the left of G but at some place to the right of C.
How many people sit to the right of F?

- Ans**
- ☐ 1. 1
 - ☐ 2. 4
 - ☒ 3. 3
 - ☐ 4. 2

Q.9 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. WD-BK
 - ☐ 2. GN-LU
 - ☒ 3. FN-KT
 - ☐ 4. JQ-OX

Q.10 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$19 + 17 - 2 \div 84 \times 3 = ?$$

- Ans**
- ☐ 1. 32
 - ☐ 2. 24
 - ☐ 3. 18
 - ☒ 4. 13

Q.11 In a certain code language, 'MOST' is coded as '2457' and 'BEAM' is coded as '4136'.
What is the code for 'M' in that language?

- Ans**
- ☒ 1. 4
 - ☐ 2. 6
 - ☐ 3. 2
 - ☐ 4. 1



Q.12 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. NE-IL
 - ☐ 2. UL-PS
 - ☒ 3. PG-KM
 - ☐ 4. RI-MP

Q.13 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All bottles are hats.

No hat is a maize.

Conclusions:

(I): No bottle is a maize.

(II): Some maizes are hats.

- Ans
- ☒ 1. Only conclusion (I) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Neither conclusion (I) nor (II) follows.
 - ☐ 4. Only conclusion (II) follows

Q.14 What should come in place of the question mark (?) in the given series?

53 69 87 107 129 ?

- Ans
- ☐ 1. 163
 - ☐ 2. 158
 - ☐ 3. 168
 - ☒ 4. 153

Q.15 In a certain code language, 'AMID' is coded as '4257' and 'INKS' is coded as '1346'. What is the code for 'I' in the given code language?

- Ans
- ☐ 1. 6
 - ☐ 2. 1
 - ☒ 3. 4
 - ☐ 4. 7

Q.16 What should come in place of ? in the given series based on the English alphabetical order?

CMT ENU GOV IPW ?

- Ans
- ☐ 1. IPW
 - ☐ 2. JQX
 - ☒ 3. KQX
 - ☐ 4. JPW



Q.17 Six people, C, D, E, F, G and T, are sitting around a circular table, facing the centre. Only two people sit between C and D when counted from the right of C. Only one person sits between E and G. G sits to the immediate left of D. T is not an immediate neighbour of E. Who sits second to the right of T?

- Ans**
- ☐ 1. C
 - ☐ 2. E
 - ☐ 3. F
 - ☒ 4. D

Q.18 Pari starts from Point A and drives 12 km towards south. She then takes a left turn, drives 10 km, turns right and drives 5 km. She then takes a right turn and drives 7 km. She takes a final right turn, drives 17 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 20 km towards north
 - ☒ 2. 3 km towards west
 - ☐ 3. 17 km towards east
 - ☐ 4. 20 km towards west

Q.19 Seven boxes, A, B, C, D, M, N and O, are kept one over the other but not necessarily in the same order. Only four boxes are kept between A and D. Only C is kept above A. Only two boxes are kept between O and N. B is kept immediately above M. N is not kept immediately above B. Which box is kept fourth from the top?

- Ans**
- ☐ 1. M
 - ☐ 2. O
 - ☐ 3. A
 - ☒ 4. B

Q.20 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

FVB : ETE
RUC : QSF

- Ans**
- ☐ 1. NSP : OQR
 - ☒ 2. MJJ : LHM
 - ☐ 3. OPQ : PNT
 - ☐ 4. JLH : KJJ

Q.21 What should come in place of the question mark (?) in the given series?

89 94 102 113 127 ?

- Ans**
- ☐ 1. 146
 - ☐ 2. 145
 - ☐ 3. 143
 - ☒ 4. 144

Q.22 Refer to the following number, symbol series and answer the question that follow. Counting to be done from left to right only.

(Left) 1 \ 1 \ @ ^ & % > * 9 & + 2 9 4 + 1 ^ 7 7 (Right)

How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by a number?

- Ans**
- ☒ 1. Two
 - ☐ 2. Four
 - ☐ 3. One
 - ☐ 4. Three



Q.23 What should come in place of the question mark (?) in the given series?

19 32 47 64 83 ?

- Ans
- ☐ 1. 92
 - ☐ 2. 98
 - ☐ 3. 112
 - ☒ 4. 104

Q.24 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
72, 145
83, 167

- Ans
- ☒ 1. 46, 93
 - ☐ 2. 22, 48
 - ☐ 3. 35, 73
 - ☐ 4. 54, 125

Q.25 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some watches are clocks.
All clocks are pendulums.

Conclusions:

(I) Some watches are pendulums.
(II) All pendulum are clocks.

- Ans
- ☐ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Only conclusion (II) follows.
 - ☒ 3. Only conclusion (I) follows.
 - ☐ 4. Both conclusions (I) and (II) follow.

Q.26 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5187463, which of the following digits will be second from the left in the new number thus formed?

- Ans
- ☒ 1. 2
 - ☐ 2. 5
 - ☐ 3. 6
 - ☐ 4. 8

Q.27 Refer to the following number and symbol series and answer the question that follows.
All numbers are single-digit numbers.Counting to be done from left to right only.

(Left) @ 8 \$ & + 7 1 * 6 % Ω £ 2 4 5 9 # 3 (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by another symbol?

- Ans
- ☒ 1. 2
 - ☐ 2. 3
 - ☐ 3. 4
 - ☐ 4. 1



Q.28 Seven boxes F, G, H, I, K, L, and O are kept one over the other but not necessarily in the same order. No box is kept above G. Only three boxes are kept between G and F. Only one box is kept between I and L. L is kept immediately above F. Only four boxes are kept between I and K. H is kept at some place above O.
Which box is kept second below H?

- Ans**
- ☐ 1. K
 - ☐ 2. O
 - ☐ 3. I
 - ☒ 4. F

Q.29 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

LCP : PZV
TWB : XTH

- Ans**
- ☒ 1. BQN : FNT
 - ☐ 2. HWK : LBO
 - ☐ 3. HTO : LQS
 - ☐ 4. UKD : YFH

Q.30 If 3 is added to each odd digit and 1 is subtracted from each even digit in the number 6243514, what will be the sum of the digits which are second from the left and second from the right?

- Ans**
- ☐ 1. 7
 - ☐ 2. 8
 - ☒ 3. 5
 - ☐ 4. 6





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	03/09/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which State government launched a cryogenic facility to preserve endangered plant species in February 2025?

- Ans**
- ☒ 1. Kerala
 - ☒ 2. Karnataka
 - ☒ 3. Telangana
 - ☒ 4. Tamil Nadu

Q.2 Under Article 254(2) of the Indian Constitution, a State law repugnant to a Central law can prevail in the State only if:

- Ans**
- ☒ 1. it is passed by a special majority in the State Legislature
 - ☒ 2. it is published in the State Gazette after legislative approval
 - ☒ 3. it is reserved for the President's consideration and gets his assent
 - ☒ 4. it is certified by the Governor as necessary for public welfare

Q.3 Which of the following Articles of the Constitution of India empowers the President to declare Scheduled Areas?

- Ans**
- ☒ 1. Article 370
 - ☒ 2. Article 338
 - ☒ 3. Article 244
 - ☒ 4. Article 146

Q.4 Who among the following scientists is credited with the development of the modern Periodic Law?

- Ans**
- ☒ 1. Ernest Rutherford
 - ☒ 2. Dmitri Mendeleev
 - ☒ 3. John Dalton
 - ☒ 4. J.J. Thomson

Q.5 Which of the following places is most likely to experience an equable climate with minimal seasonal variation due to its proximity to the sea?

- Ans**
- ☒ 1. Mumbai
 - ☒ 2. Amritsar
 - ☒ 3. Bhopal
 - ☒ 4. Delhi



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Q.6 Which tunnel was inaugurated by Prime Minister Narendra Modi in Jammu and Kashmir on 13 January 2025?

- Ans**
- ☒ 1. Banihal Qazigund tunnel
 - ☒ 2. Sonamarg tunnel
 - ☒ 3. Chenani-Nashri tunnel
 - ☒ 4. Nandni tunnel

Q.7 Which Indian institute was officially notified as an 'Institution Deemed to be University' by the Union Ministry of Education?

- Ans**
- ☒ 1. Film and Television Institute of India (FTII), Pune
 - ☒ 2. Indian Institute of Mass Communication (IIMC), New Delhi
 - ☒ 3. K R Narayanan National Institute of Visual Science and Arts, Kerala
 - ☒ 4. National School of Drama (NSD), Delhi

Q.8 Gender disparities significantly affect human development outcomes. Which of the following indicators is NOT part of the Gender Inequality Index (GII)?

- Ans**
- ☒ 1. Maternal mortality
 - ☒ 2. Political representation
 - ☒ 3. Food consumption
 - ☒ 4. Labour force participation

Q.9 The Priest-King statue from Mohenjo-daro, a famous stone sculpture, is predominantly made of which of the following substances?

- Ans**
- ☒ 1. Terracotta
 - ☒ 2. Steatite
 - ☒ 3. Bronze
 - ☒ 4. Limestone

Q.10 Which Indian non-profit, profiled by IEEE Spectrum (December 2024), built AI models to predict adverse TB outcomes?

- Ans**
- ☒ 1. Piramal Swasthya
 - ☒ 2. Wadhwani AI
 - ☒ 3. e-VIN
 - ☒ 4. PATH India

Q.11 Under Article 5 of the Indian Constitution, which of the following is NOT required for a person to be considered a citizen at the commencement of the Constitution?

- Ans**
- ☒ 1. Holding an Indian passport
 - ☒ 2. Having at least one parent born in India
 - ☒ 3. Having domicile in the territory of India
 - ☒ 4. Being born in India

Q.12 Which Constitutional Amendment removed the Right to Property from the list of Fundamental Rights in India?

- Ans**
- ☒ 1. 44th Amendment Act, 1978
 - ☒ 2. 42nd Amendment Act, 1976
 - ☒ 3. 52nd Amendment Act, 1985
 - ☒ 4. 73rd Amendment Act, 1992



Q.13 Which of the following mountain ranges belongs to the Peninsular Plateau?

- Ans**
- ☐ 1. Shivalik range
 - ☐ 2. Zaskar range
 - ☒ 3. Ajanta range
 - ☐ 4. Karakoram range

Q.14 As announced on 30 April 2025, what major decision did the Indian Cabinet take regarding the upcoming decennial census?

- Ans**
- ☐ 1. To conduct the first ever digital-only census
 - ☐ 2. To postpone the census indefinitely
 - ☒ 3. To include a caste-based enumeration in the next census
 - ☐ 4. To eliminate caste data collection

Q.15 Which of the following energy sources remained the dominant contributor to India's renewable energy growth, accounting for 47% of the total installed renewable energy capacity in 2024?

- Ans**
- ☐ 1. Bio-Power
 - ☒ 2. Solar Power
 - ☐ 3. Wind Power
 - ☐ 4. Small Hydro Power

Q.16 Which of these elements is NOT part of the standard Windows 7 desktop?

- Ans**
- ☐ 1. Start Button
 - ☐ 2. Taskbar
 - ☐ 3. Notification Area
 - ☒ 4. Control Panel

Q.17 Which Union Territory of India is located in the Arabian Sea?

- Ans**
- ☐ 1. Andaman and Nicobar Islands
 - ☐ 2. Chandigarh
 - ☒ 3. Lakshadweep
 - ☐ 4. Puducherry

Q.18 What was one of the key effects of globalisation on the Indian economy after 1991?

- Ans**
- ☐ 1. Reduction in foreign exchange reserves
 - ☒ 2. Entry of foreign companies and capital
 - ☐ 3. Closure of Indian banks
 - ☐ 4. Decrease in exports

Q.19 Union Cabinet approved PM-Surya Ghar: Muft Bijli Yojana in 2024, to provide subsidy for the installation of rooftop solar in how many households across India?

- Ans**
- ☐ 1. Two crore
 - ☐ 2. Four crore
 - ☐ 3. Three crore
 - ☒ 4. One crore

Q.20 Which of the following options is used to change the system settings in MS Windows?

- Ans**
- ☐ 1. Command Prompt
 - ☒ 2. Control Panel
 - ☐ 3. File Explorer
 - ☐ 4. Task Manager



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Q.21 Which country topped the World Press Freedom Index, 2025, released by Reporters Without Borders (RSF)?

- Ans**
- ☐ 1. Finland
 - ☒ 2. Norway
 - ☐ 3. Denmark
 - ☐ 4. Sweden

Q.22 Lakhwar Multipurpose Project belongs to which state?

- Ans**
- ☐ 1. Uttar Pradesh
 - ☐ 2. Rajasthan
 - ☐ 3. Madhya Pradesh
 - ☒ 4. Uttarakhand

Q.23 Which of the following is an example of globalisation in India post-1991?

- Ans**
- ☐ 1. Nationalisation of major private banks
 - ☐ 2. Licensing requirement for all businesses
 - ☒ 3. Entry of multinational companies like Amazon and Apple
 - ☐ 4. Closure of ports

Q.24 Which Act ended the monopoly of the East India Company over trade with India?

- Ans**
- ☐ 1. Pitt's India Act of 1784
 - ☐ 2. Regulating Act of 1773
 - ☐ 3. Charter Act of 1833
 - ☒ 4. Charter Act of 1813

Q.25 Who hosted the 6th BIMTEC Summit in April 2025?

- Ans**
- ☐ 1. Bhutan
 - ☒ 2. Thailand
 - ☐ 3. Indonesia
 - ☐ 4. Sri Lanka

Q.26 What is self-induction?

- Ans**
- ☐ 1. Induction of EMF in one coil due to a current in a nearby coil
 - ☐ 2. Induction of EMF in a coil due to motion in a magnetic field
 - ☒ 3. Induction of EMF in a coil due to a change in its own current
 - ☐ 4. Generation of current in a coil due to temperature changes

Q.27 Who among the following led the official media briefing on India's Operation Sindoor in May 2025?

- Ans**
- ☐ 1. Foreign Secretary Vikram Misri and Defence Minister Rajnath Singh
 - ☐ 2. Lt Gen Rajiv Ghai and Commodore Raghu R Nair
 - ☐ 3. General Anil Chauhan and Air Marshal AK Bharti
 - ☒ 4. Colonel Sofiya Qureshi and Wing Commander Vyomika Singh

Q.28 Which method is employed in the refining of petroleum to separate crude oil from high boiling point fractions like lubricating oils?

- Ans**
- ☐ 1. Vacuum filtration
 - ☐ 2. Differential extraction
 - ☐ 3. Rotary sublimation
 - ☒ 4. Fractional distillation



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Q.29 Which of the four Vedas is traditionally paired with the Upaveda known as Gandharvaveda?

- Ans**
- ☐ 1. Yajurveda
 - ☐ 2. Atharvaveda
 - ☒ 3. Samaveda
 - ☐ 4. Rigveda

Q.30 At the 8th Indian Ocean Conference held in Muscat on 16-17 February 2025, which theme was unveiled to enhance maritime partnerships among member nations?

- Ans**
- ☐ 1. Bridging Oceans: A New Era
 - ☐ 2. Navigating New Waters
 - ☒ 3. Voyage to New Horizons of Maritime Partnership
 - ☐ 4. Strengthening Maritime Alliances

Q.31 Researchers from which Indian institute developed an advanced agricultural robot designed to detect plant diseases and apply pesticides precisely?

- Ans**
- ☐ 1. Indian Institute of Technology Delhi (IIT-D)
 - ☐ 2. Indian Institute of Technology Bombay (IIT-B)
 - ☐ 3. Indian Institute of Technology Madras (IIT-M)
 - ☒ 4. Indian Institute of Technology Kharagpur (IIT-KGP)

Q.32 The Kherwar movement was led by which charismatic leader?

- Ans**
- ☒ 1. Bhagirath Manjhi
 - ☐ 2. Birsa Munda
 - ☐ 3. Sidhu Murmu
 - ☐ 4. Tilka Manjhi

Q.33 Bori, which is considered to be the first Lower Palaeolithic site, is in which of the following states of India?

- Ans**
- ☐ 1. Gujarat
 - ☐ 2. Arunachal Pradesh
 - ☐ 3. Tamil Nadu
 - ☒ 4. Maharashtra

Q.34 Who is the Director General of Sashastra Seema Bal (SSB) as of May 2025?

- Ans**
- ☒ 1. Amrit Mohan Prasad
 - ☐ 2. Somit Joshi
 - ☐ 3. Daljit Singh Chaudhary
 - ☐ 4. Anupama Nilekar Chandra

Q.35 Where was the 6th summit of the Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC) held on 4 April 2025?

- Ans**
- ☐ 1. New Delhi
 - ☐ 2. Colombo
 - ☒ 3. Bangkok
 - ☐ 4. Dhaka

Q.36 During the Mauryan period, the village headman in North India was known by _____.

- Ans**
- ☐ 1. Gavunda
 - ☒ 2. Gramika
 - ☐ 3. Mununda
 - ☐ 4. Pattakila



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Q.37 Which of the following states hosted the 7th edition of the Khelo India Youth Games in May 2025 along with New Delhi?

- Ans**
- ☐ 1. Gujarat
 - ☐ 2. Maharashtra
 - ☐ 3. Karnataka
 - ☒ 4. Bihar

Q.38 Employment generation became a focus in later Five-Year Plans. Which Five-Year Plan introduced the Integrated Rural Development Programme (IRDP)?

- Ans**
- ☐ 1. Seventh Plan
 - ☐ 2. Fourth Plan
 - ☐ 3. Fifth Plan
 - ☒ 4. Sixth Plan

Q.39 What is the primary function of the Public Accounts Committee (PAC) of the Indian Parliament?

- Ans**
- ☒ 1. To review CAG audit reports
 - ☐ 2. To evaluate government schemes
 - ☐ 3. To recommend the Union Budget
 - ☐ 4. To assist in the election of the Speaker

Q.40 During the 1857 Revolt, Indian sepoys declared which of the following as their symbolic leader?

- Ans**
- ☐ 1. Tantia Tope
 - ☐ 2. Rani Lakshmibai
 - ☐ 3. Nana Saheb
 - ☒ 4. Bahadur Shah II

Section : Mathematics

Q.1 The number 726179 is divisible by which of the following?

- Ans**
- ☒ 1. 23
 - ☐ 2. 29
 - ☐ 3. 28
 - ☐ 4. 20

Q.2 ABCD is a quadrilateral such that $\angle A = 47^\circ$, $\angle B = 66^\circ$, $\angle C = 133^\circ$ and $\angle D = 114^\circ$. What type of a quadrilateral is ABCD?

- Ans**
- ☐ 1. Trapezium
 - ☐ 2. Rhombus
 - ☒ 3. Cyclic quadrilateral
 - ☐ 4. Parallelogram

Q.3 If the radius of a sphere is 24 cm, then its surface area is:

- Ans**
- ☐ 1. $2374 \pi \text{ cm}^2$
 - ☐ 2. $2280 \pi \text{ cm}^2$
 - ☒ 3. $2304 \pi \text{ cm}^2$
 - ☐ 4. $2330 \pi \text{ cm}^2$



Q.4 If 3 times the mother's age is 29 years more than 5 times her daughter's age, and 2 times the daughter's age is 2 years less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans**
- ☒ 1. 25
 - ☐ 2. 24
 - ☐ 3. 29
 - ☐ 4. 23

Q.5 The LCM of $3^3 \times 9^2 \times 13$, $3^2 \times 13^2 \times 18$ and $9^3 \times 13^2 \times 18^2$ is

- Ans**
- ☐ 1. $2^2 \times 3^{11} \times 13^2$
 - ☒ 2. $2^2 \times 3^{10} \times 13^2$
 - ☐ 3. $2^3 \times 3^{10} \times 13^2$
 - ☐ 4. $2^2 \times 3^9 \times 13^2$

Q.6 Simplify
$$\frac{(x^2 - 9) \times (9x^2 - 1)}{\left(x - \frac{1}{3}\right) \times \left(1 - \frac{x}{3}\right)} \times \frac{9}{\left(x + \frac{1}{3}\right) \times \left(1 + \frac{x}{3}\right)}.$$

- Ans**
- ☒ 1. -729
 - ☐ 2. 729
 - ☐ 3. -81
 - ☐ 4. 81

Q.7 The H.C.F. and the L.C.M. of two numbers are 8 and 4200, respectively. If one of the numbers is 168, find the other one.

- Ans**
- ☐ 1. 100
 - ☒ 2. 200
 - ☐ 3. 300
 - ☐ 4. 400

Q.8 A man driving a car at a speed of 48 km/hr crosses a bridge in 4.6 minutes. Find the length of the bridge.

- Ans**
- ☐ 1. 4.35 km
 - ☐ 2. 3.92 km
 - ☐ 3. 2.75 km
 - ☒ 4. 3.68 km

Q.9 The product of two positive numbers is 2000. If the first number is five times the second number, then the sum of the two numbers is:

- Ans**
- ☒ 1. 120
 - ☐ 2. 133
 - ☐ 3. 121
 - ☐ 4. 125

Q.10 Pipe P can fill $\frac{2}{7}$ part of a tank in 18 hours, and pipe Q can fill $\frac{5}{9}$ part of the same tank in 25 hours.

Both P and Q were kept open for 3 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans**
- ☐ 1. 25 hours
 - ☒ 2. 42 hours
 - ☐ 3. 38 hours
 - ☐ 4. 53 hours



Q.11 The simple interest on a certain sum for $4\frac{2}{5}$ years at the rate of 7.6% per annum is ₹8,778.

What will be the amount payable on the same sum at the rate of 4.8% per annum simple interest in $8\frac{2}{7}$ years?

- Ans**
- ☒ 1. ₹36,699
 - ☒ 2. ₹36,698
 - ☒ 3. ₹36,690
 - ☒ 4. ₹36,672

Q.12 ₹35,200 were divided among A, B and C, such that 8 times the share of A = 6 times the share of B = 3 times the share of C. Find the share of A.

- Ans**
- ☒ 1. ₹7,040
 - ☒ 2. ₹7,220
 - ☒ 3. ₹7,197
 - ☒ 4. ₹6,872

Q.13 86 light bulbs were purchased for ₹86, and 14 light bulbs broke in transit. The trader sold the remaining light bulbs at ₹3.20 each. Find his profit.

- Ans**
- ☒ 1. ₹144.40
 - ☒ 2. ₹141.30
 - ☒ 3. ₹137.10
 - ☒ 4. ₹141.10

Q.14 A trader claims to sell fruits at a profit of 22%, but also dishonestly uses a weight which is 4% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)

- Ans**
- ☒ 1. 24%
 - ☒ 2. 28%
 - ☒ 3. 27%
 - ☒ 4. 25%

Q.15 The average weight of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 75 kg and 38 kg is:

- Ans**
- ☒ 1. 52.6 kg
 - ☒ 2. 51.6 kg
 - ☒ 3. 50.6 kg
 - ☒ 4. 53.6 kg

Q.16 Find the surface area of a cube, whose each side measures 9 cm.

- Ans**
- ☒ 1. 364 cm^2
 - ☒ 2. 324 cm^2
 - ☒ 3. 486 cm^2
 - ☒ 4. 729 cm^2

Q.17 In an election between two candidates, 82% of the registered voters cast their vote and 4% of the votes polled were found invalid. The winning candidate got 60% of the valid votes and won the election by a margin of 1968 votes. How many voters were registered?

- Ans**
- ☒ 1. 12502
 - ☒ 2. 12501
 - ☒ 3. 12500
 - ☒ 4. 12497



Q.18 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 5 months.

- Ans
- ☐ 1. ₹20
 - ☐ 2. ₹40
 - ☐ 3. ₹120
 - ☒ 4. ₹240

Q.19 The marked price of a wet grinder is ₹6,500. It was sold at two successive discounts of 5% and 4%. Find its selling price.

- Ans
- ☐ 1. ₹5,630
 - ☐ 2. ₹5,500
 - ☒ 3. ₹5,928
 - ☐ 4. ₹5,850

Q.20 A publisher gives 15% discount on the printed price of a book to booksellers. What does a book seller pay (in ₹) for a book whose printed price is ₹2,400?

- Ans
- ☐ 1. 2,140
 - ☐ 2. 2,420
 - ☐ 3. 2,004
 - ☒ 4. 2,040

Q.21 The number of prime numbers lying between 332 and 343, both included, is:

- Ans
- ☐ 1. 2
 - ☒ 2. 1
 - ☐ 3. 3
 - ☐ 4. 4

Q.22 *The value of $2^2 + \sqrt{10^2} - 9\sqrt{16} - 17$ is*

- Ans
- ☒ 1. -39
 - ☐ 2. -48
 - ☐ 3. -36
 - ☐ 4. -31

Q.23 A number, when increased by 60%, gives 3560. The number is:

- Ans
- ☒ 1. 2225
 - ☐ 2. 1112.5
 - ☐ 3. 6675
 - ☐ 4. 4450

Q.24 A can lay railway track between two given stations in 17 days and B can do the same job in 12 days. With the help of C, they did the job in 3 days only. Then, C alone can do the job in

- Ans
- ☐ 1. $6\frac{3}{13}$ days
 - ☐ 2. $7\frac{3}{13}$ days
 - ☒ 3. $5\frac{3}{13}$ days
 - ☐ 4. $12\frac{3}{13}$ days



Q.25 Find the mean proportional of 225 and 4.

- Ans
- ☐ 1. 28
 - ☐ 2. 27
 - ☒ 3. 30
 - ☐ 4. 32

Q.26 If $\sin\theta = \frac{p^2 - 1}{p^2 + 1}$, and θ is an acute angle, then find the value of $\cos\theta$.

- Ans
- ☐ 1. $\frac{2p}{p^2 - 1}$
 - ☐ 2. $\frac{p^2 + 1}{2p}$
 - ☒ 3. $\frac{2p}{p^2 + 1}$
 - ☐ 4. $\frac{1 + 2p}{p^2 - 1}$

Q.27 In covering a distance of 52 km, Anmol takes 6 hours more than Nikhil. If Anmol doubles his speed, then he would take 7 hours less than Nikhil. Anmol's speed is:

- Ans
- ☐ 1. 4 km/hr
 - ☐ 2. 6 km/hr
 - ☒ 3. 2 km/hr
 - ☐ 4. 7 km/hr

Q.28 The average weight of Salil, Mukund and Sachin is 45 kg. If the average weight of Salil and Mukund is 44 kg and that of Mukund and Sachin is 48 kg, then the weight of Mukund (in kg) is:

- Ans
- ☒ 1. 49
 - ☐ 2. 59
 - ☐ 3. 69
 - ☐ 4. 64

Q.29 Simplify: $x(6x - 9) + 6(x^2 - 3) + 19$

- Ans
- ☐ 1. $12x^2 - 9x - 1$
 - ☒ 2. $12x^2 - 9x + 1$
 - ☐ 3. $-12x^2 - 9x + 1$
 - ☐ 4. $-12x^2 - 9x - 1$

Q.30 Pooja, Harsh, and Madhur invest ₹1,120, ₹1,320, and ₹1,160, respectively to start a business. If the profit at the end of the year is ₹1,080, then what is the share of Madhur in the profit?

- Ans
- ☒ 1. ₹348
 - ☐ 2. ₹349
 - ☐ 3. ₹351
 - ☐ 4. ₹347



Q.1 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. HPJ
 - ☒ 2. QYR
 - ☒ 3. KSM
 - ☒ 4. NVP

Q.2 I, J, K, L, O, P and Q are sitting around a circular table facing the centre of the table. Only two people sit between Q and K when counted from the right of Q. Only two people sit between K and O. Only three people sit between Q and P. I sits to the immediate left of L. Who sits third to the left of J?

- Ans**
- ☒ 1. K
 - ☒ 2. L
 - ☒ 3. Q
 - ☒ 4. I

Q.3 Seven people, I, J, K, L, P, Q and R, are sitting in a row, facing north. Only two people sit to the right of K. Only two people sit between K and R. Only two people sit between I and Q. Q sits to the immediate left of K. L sits to the immediate right of P. Who sits at the third position from the left end of the row?

- Ans**
- ☒ 1. J
 - ☒ 2. L
 - ☒ 3. I
 - ☒ 4. R

Q.4 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$100 \times 4 + 11 \div 2 - 18 = ?$$

- Ans**
- ☒ 1. 27
 - ☒ 2. 15
 - ☒ 3. 21
 - ☒ 4. 36

Q.5 What should come in place of the question mark (?) in the given series?

22 25 36 39 50 ?

- Ans**
- ☒ 1. 54
 - ☒ 2. 53
 - ☒ 3. 52
 - ☒ 4. 55

Q.6 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ELJ HOM KRP NUS ?

- Ans**
- ☒ 1. OVT
 - ☒ 2. QXT
 - ☒ 3. QXV
 - ☒ 4. QVT



Q.7 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. FIM
 - ☒ 2. ORV
 - ☒ 3. ZBF
 - ☒ 4. PSW

Q.8 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

NUB 1, JQX 4, FMT 10, BIP 22, XEL 46, ?

- Ans**
- ☒ 1. TAI 94
 - ☒ 2. TAH 94
 - ☒ 3. NAH 94
 - ☒ 4. TUH 94

Q.9 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

Some Blueberries are Melons.

All Melons are Grapefruits.

Conclusions:

I. No Blueberries are Grapefruits.

II. Some Grapefruits are Blueberries.

- Ans**
- ☒ 1. Both conclusions (I) and (II) follow.
 - ☒ 2. Neither conclusion (I) nor (II) follows.
 - ☒ 3. Only conclusion (I) follows.
 - ☒ 4. Only conclusion (II) follows.

Q.10 Refer to the five three-digit numbers given below and answer the question that follows.

(Left) 869 509 779 491 863 (Right)

(Example: 697 – first digit = 6, second digit = 9, and third digit = 7)

(NOTE: All operations to be done from left to right.)

If all the numbers are arranged in ascending order, the position of how many numbers will remain unchanged?

- Ans**
- ☒ 1. 4
 - ☒ 2. 2
 - ☒ 3. 3
 - ☒ 4. 1

Q.11 What should come in place of the question mark (?) in the given series?

83 91 107 139 203 ?

- Ans**
- ☒ 1. 335
 - ☒ 2. 321
 - ☒ 3. 332
 - ☒ 4. 331



Q.12 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$25 \times 5 - 18 \div 3 + 15 = ?$$

- Ans**
- ☒ 1. 42
 - ☒ 2. 41
 - ☒ 3. 44
 - ☒ 4. 43

Q.13 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

QMJ-GCZ
CYV-SOL

- Ans**
- ☒ 1. UQN-JGC
 - ☒ 2. UPL-JFC
 - ☒ 3. VRO-LHE
 - ☒ 4. UPL-KGD

Q.14 In a certain code language, 'RAID' is coded as '3527' and 'DOGS' is coded as '1346'. What is the code for 'D' in the given code language?

- Ans**
- ☒ 1. 7
 - ☒ 2. 3
 - ☒ 3. 4
 - ☒ 4. 1

Q.15 Umar starts from Point A and drives 7 km towards North. He then takes a right turn, drives 4 km, turns right and drives 11 km. He then takes a right turn and drives 9 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 4 km to the North
 - ☒ 2. 5 km to the North
 - ☒ 3. 4 km to the South
 - ☒ 4. 5 km to the East

Q.16 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) £ \$ 7 # © 5 1 6 9 & 9 € & 2 6 £ £ \$ @ % * % (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans**
- ☒ 1. 1
 - ☒ 2. 3
 - ☒ 3. 4
 - ☒ 4. 2



Q.17 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

12, 53

25, 105

- Ans**
- ☒ 1. 15, 55
 - ☒ 2. 5, 25
 - ☒ 3. 18, 72
 - ☒ 4. 20, 100

Q.18 Seven boxes F, G, H, I, K, L, and O are kept one over the other but not necessarily in the same order. Only three boxes are kept above G. Only one box is kept between F and G. Only three boxes are kept between F and K. K is kept at some place above G. O is kept immediately below K. L is kept at one of the places above I. H is not kept immediately above or below F.
Which box is kept at the lowermost position?

- Ans**
- ☒ 1. O
 - ☒ 2. F
 - ☒ 3. I
 - ☒ 4. H

Q.19 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. No box is kept above F. Only three boxes are kept between F and E. Only one box is kept between C and A. A is kept immediately above E. Only four boxes are kept between C and B. D is kept at some place above G. How many boxes are kept between F and G?

- Ans**
- ☒ 1. 3
 - ☒ 2. 4
 - ☒ 3. 2
 - ☒ 4. 1

Q.20 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some planes are buses.

No bus is a truck.

Conclusions:

(I): No truck is a bus.

(II): Some buses are planes.

- Ans**
- ☒ 1. Only conclusion (I) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☒ 3. Both conclusions (I) and (II) follow.
 - ☒ 4. Neither conclusion (I) nor (II) follows.

Q.21 NMOK is related to QHRF in a certain way based on the English alphabetical order. In the same way, TCUA is related to WXXV. To which of the following is ZSAQ related, following the same logic?

- Ans**
- ☒ 1. CNDL
 - ☒ 2. DOCK
 - ☒ 3. DNEM
 - ☒ 4. BMFG



Q.22 Ravi starts from Point A and drives 8 km towards south. He then takes a left turn, drives 9 km, turns right and drives 5 km. He then takes a right turn and drives 4 km. He takes a final right turn, drives 13 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 5 km towards west
 - ☐ 2. 13 km towards east
 - ☐ 3. 16 km towards west
 - ☐ 4. 16 km towards north

Q.23 Each of the digits in the number 5312768 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ 1. 9
 - ☐ 2. 6
 - ☐ 3. 8
 - ☐ 4. 7

Q.24 Seven boxes P, Q, R, S, X, Y and Z are kept one over the other, but not necessarily in the same order. Only two boxes are kept between P and Z. Only X is kept above S. No box is kept below Z. R is kept at some place below Y, but at some place above Q. Which box is kept third above Q?

- Ans**
- ☒ 1. Y
 - ☐ 2. R
 - ☐ 3. P
 - ☐ 4. S

Q.25 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 8524796, then which of the following digits will be second from the right in the new number thus formed?

- Ans**
- ☐ 1. 8
 - ☒ 2. 7
 - ☐ 3. 5
 - ☐ 4. 9

Q.26 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. PIR
 - ☐ 2. JCL
 - ☐ 3. MFO
 - ☒ 4. HAI

Q.27 In a certain code language,
A \$ B means 'A is the mother of B'
A + B means 'A is the brother of B'
A @ B means 'A is the wife of B'
A ÷ B means 'A is the father of B'
Based on the above, how is E related to N if 'E \$ F + G ÷ M @ N'?

- Ans**
- ☐ 1. Wife's father
 - ☐ 2. Wife's father's sister
 - ☐ 3. Father's mother
 - ☒ 4. Wife's father's mother



Q.28 In a certain code language, 'GAVE' is coded as '4629' and 'AIDS' is coded as '1395'. What is the code for 'A' in the given code language?

- Ans**
- ☒ 1. 5
 - ☒ 2. 9
 - ☒ 3. 6
 - ☒ 4. 1

Q.29 SACU is related to YGIA in a certain way based on the English alphabetical order. In the same way, QYAS is related to WEGY. To which of the following is IQSK related, following the same logic?

- Ans**
- ☒ 1. OLPI
 - ☒ 2. WQER
 - ☒ 3. OWYQ
 - ☒ 4. LOER

Q.30 What should come in place of the question mark (?) in the given series?

8 13 23 38 58 ?

- Ans**
- ☒ 1. 85
 - ☒ 2. 80
 - ☒ 3. 83
 - ☒ 4. 90





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	04/09/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which reformer is known for his efforts to promote widow remarriage and women's education in Bengal?

- Ans**
- ☒ 1. Keshab Chandra Sen
 - ☒ 2. Ishwar Chandra Vidyasagar
 - ☒ 3. Debendranath Tagore
 - ☒ 4. Swami Vivekananda

Q.2 Which of the following Articles of the Indian Constitution provides for the power of the President to specify the Scheduled Tribes under the Constitution?

- Ans**
- ☒ 1. Article 342
 - ☒ 2. Article 343
 - ☒ 3. Article 336
 - ☒ 4. Article 340

Q.3 Which of the following Defence Public Sector Undertakings (DPSUs) were granted 'Miniratna' Category-I status by Defence Minister Rajnath Singh in May 2025?

- Ans**
- ☒ 1. Bharat Dynamics Limited (BDL)
 - ☒ 2. Hindustan Aeronautics Limited (HAL)
 - ☒ 3. Bharat Electronics Limited (BEL)
 - ☒ 4. Munitions India Limited (MIL)

Q.4 In 2025, the Central government selected which of the following start-ups to build India's first indigenous artificial intelligence (AI) large language model (LLM)?

- Ans**
- ☒ 1. Sarvana
 - ☒ 2. Sarvam
 - ☒ 3. Srijan
 - ☒ 4. Sarvshreshth

Q.5 What does the abbreviation 'MAN' stand for in computer networking?

- Ans**
- ☒ 1. Mobile Area Network
 - ☒ 2. Medium Access Network
 - ☒ 3. Main Access Node
 - ☒ 4. Metropolitan Area Network



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Q.6 As of June 2025, how many languages are listed in the Eighth Schedule of the Indian Constitution?

- Ans**
- ☐ 1. 24
 - ☐ 2. 18
 - ☒ 3. 22
 - ☐ 4. 14

Q.7 President Droupadi Murmu conferred how many Kirti Chakras, including four posthumous, during Phase-I of the Defence Investiture Ceremony 2025 in May 2025?

- Ans**
- ☐ 1. Fifteen
 - ☐ 2. Nine
 - ☒ 3. Six
 - ☐ 4. Twelve

Q.8 Tuhin Kanta Pandey succeeded whom as the chairman of the Securities and Exchange Board of India (SEBI) in March 2025?

- Ans**
- ☐ 1. Ajay Tyagi
 - ☐ 2. UK Sinha
 - ☒ 3. Madhabi Puri Buch
 - ☐ 4. CB Bhav

Q.9 Which of the following states was NOT formed through the State Reorganisation Act of 1956?

- Ans**
- ☐ 1. Rajasthan State
 - ☒ 2. Goa State
 - ☐ 3. Mysore State
 - ☐ 4. Bombay State

Q.10 Which Article of the Indian Constitution directs the State for promotion of cottage industries in rural areas?

- Ans**
- ☐ 1. Article 41
 - ☐ 2. Article 36
 - ☐ 3. Article 55
 - ☒ 4. Article 43

Q.11 Which of the following is the first African country to sign the International Solar Alliance (ISA) in April 2025?

- Ans**
- ☐ 1. Senegal
 - ☐ 2. Lesotho
 - ☒ 3. Mauritius
 - ☐ 4. Egypt

Q.12 Which of the following plateaus lies between the Western Ghats and Eastern Ghats?

- Ans**
- ☐ 1. Chhota Nagpur Plateau
 - ☒ 2. Deccan Plateau
 - ☐ 3. Malwa Plateau
 - ☐ 4. Meghalaya Plateau



Q.13 Which organisation unveiled the strategic report titled 'Designing a Policy for Medium Enterprises' emphasising their role in India's development?

- Ans**
- ☐ 1. Reserve Bank of India
 - ☐ 2. Ministry of MSME
 - ☐ 3. Confederation of Indian Industry (CII)
 - ☒ 4. NITI Aayog

Q.14 Which Article of the Indian Constitution deals with the distribution of legislative powers between the Union and the States?

- Ans**
- ☐ 1. Article 368
 - ☐ 2. Article 240
 - ☐ 3. Article 280
 - ☒ 4. Article 246

Q.15 What pigment do petunias have that gives them a reddish-purple colour in an acidic environment (low pH)?

- Ans**
- ☒ 1. Anthocyanins
 - ☐ 2. Carotenes
 - ☐ 3. Betalains
 - ☐ 4. Lycopene

Q.16 Which of the following organisations oversees the Kutiyattam Kendra located in Thiruvananthapuram, Kerala, India?

- Ans**
- ☐ 1. Kerala Tourism Department
 - ☐ 2. Ministry of Education
 - ☐ 3. UNESCO
 - ☒ 4. Ministry of Culture

Q.17 Which of the following officers managed stores and the supply of weapons like spears and swords during the Gupta period?

- Ans**
- ☒ 1. Ranabhandagarika
 - ☐ 2. Sandhivigrahaika
 - ☐ 3. Kumaramatya
 - ☐ 4. Mahadandanayaka

Q.18 Which two places are in the news due to the approval of Greenfield airports for better connectivity by the Central Government on 5 May 2025?

- Ans**
- ☐ 1. Pakyong and Kalaburagi
 - ☐ 2. Navi Mumbai and Itanagar
 - ☒ 3. Kota and Puri
 - ☐ 4. Shirdi and Kannur

Q.19 Who is the director of the Indian entry at the 78th Cannes Film Festival named 'Homebound', starring Janhvi Kapoor, Ishaan Khatter and Vishal Jethwa?

- Ans**
- ☒ 1. Neeraj Ghaywan
 - ☐ 2. Karan Johar
 - ☐ 3. Anurag Kashyap
 - ☐ 4. Anurag Basu



Q.20 Why is the net sown area low in hilly states like Himachal Pradesh and Uttarakhand?

Ans  1. Due to urban expansion

 2. Because of steep slopes and thin soil layers

 3. Because of poor soil fertility

 4. Due to frequent floods

Q.21 Which one of the following Sustainable Development Goals (SDGs) aims to ensure access to affordable, reliable, sustainable and modern energy for all?

Ans  1. Goal 12

 2. Goal 5

 3. Goal 7

 4. Goal 10

Q.22 According to an official report released in April 2025, AI-based real-time forest monitoring system has been implemented for the first time in which state sensitive forest divisions?

Ans  1. Assam

 2. Odisha

 3. Gujarat

 4. Madhya Pradesh

Q.23 Which of the following is a primary memory of a computer?

Ans  1. Hard Disk

 2. CD-ROM

 3. Floppy Disk

 4. RAM

Q.24 Which mineral helps in the formation of insulin granules, digestion, metabolism and functioning of the male prostate?

Ans  1. Iron

 2. Zinc

 3. Phosphorus

 4. Nickel

Q.25 In India, Red Bull India Private Limited (RBIL) has imported and sold Red Bull Energy Drink and its variants since ____.

Ans  1. 2005

 2. 2007

 3. 2000

 4. 2002

Q.26 Which of the following Indian space missions captured its first image of a solar flare in February 2025?

Ans  1. Aditya-L1

 2. AstroSat

 3. Mangalyaan-2

 4. Chandrayaan-3



Q.27 In 1947, the Indian economy was marked by deep poverty. Which sector dominated the Indian economy at the time of independence?

- Ans**
- ☒ 1. Agricultural sector
 - ☐ 2. Industrial sector
 - ☐ 3. Services sector
 - ☐ 4. Manufacturing sector

Q.28 In which year did India officially start economic liberalisation?

- Ans**
- ☐ 1. 1995
 - ☐ 2. 2000
 - ☐ 3. 1985
 - ☒ 4. 1991

Q.29 Select the right bank tributary of the Indus River system.

- Ans**
- ☐ 1. Jhelum River
 - ☐ 2. Ravi River
 - ☒ 3. Kabul River
 - ☐ 4. Chenab River

Q.30 What is the main function of carbohydrates in the body?

- Ans**
- ☐ 1. It is crucial for growth.
 - ☐ 2. It regulates hormones.
 - ☒ 3. It provides energy.
 - ☐ 4. It insulates the body.

Q.31 The Lower Palaeolithic period in India, including the Acheulian phase, spans approximately how many years BP?

- Ans**
- ☒ 1. 6,00,000–1,50,000 years BP
 - ☐ 2. 1,65,000–31,000 years BP
 - ☐ 3. 1,00,000–10,000 years BP
 - ☐ 4. 40,000–12,000 years

Q.32 Who organises Lok Adalats in India?

- Ans**
- ☐ 1. Bar Council of India
 - ☒ 2. National and State Legal Services Authorities
 - ☐ 3. Law Commission of India
 - ☐ 4. Advocate General of State

Q.33 Which novel earned Percival Everett the Pulitzer Prize for Fiction in 2025?

- Ans**
- ☐ 1. Erasure
 - ☐ 2. The Trees
 - ☒ 3. James
 - ☐ 4. Glyph

Q.34 In which of the following institutes was 'Shri S. Ramakrishnan Centre of Excellence in Fluid and Thermal Science Research' launched in March 2025?

- Ans**
- ☒ 1. Indian Institute of Technology, Madras
 - ☐ 2. Indian Institute of Technology, Kanpur
 - ☐ 3. Indian Institute of Technology, Bombay
 - ☐ 4. Indian Institute of Technology, Delhi



Q.35 Which of the following states of India has Konkani as a prominently spoken language?

- Ans**
- ☐ 1. Assam
 - ☐ 2. Tripura
 - ☒ 3. Goa
 - ☐ 4. Arunachal Pradesh

Q.36 Which of the following is a major difference between planted and natural vegetation?

- Ans**
- ☐ 1. Presence of fruits
 - ☐ 2. Place of origin
 - ☒ 3. Human supervision involved
 - ☐ 4. Number of leaves

Q.37 Who is the 52nd Chief Justice of India?

- Ans**
- ☐ 1. Justice DY Chandrachud
 - ☐ 2. Justice NV Ramana
 - ☒ 3. Justice BR Gavai
 - ☐ 4. Justice Sanjiv Khanna

Q.38 What does the term 'net sown area' refer to?

- Ans**
- ☒ 1. Total area cultivated with crops during the year
 - ☐ 2. Total area under irrigation
 - ☐ 3. Land covered with forests
 - ☐ 4. Land left uncultivated for more than five years

Q.39 What is the main aim of globalisation?

- Ans**
- ☐ 1. Limit foreign trade
 - ☐ 2. Reduce employment
 - ☐ 3. Increase local production
 - ☒ 4. Integrate the Indian economy with the world

Q.40 The Non-cooperation Movement in 1920 included all the following, EXCEPT:

- Ans**
- ☒ 1. violent attacks on officials
 - ☐ 2. refusal to pay taxes
 - ☐ 3. boycott of British courts
 - ☐ 4. closure of schools and colleges

Section : Mathematics

Q.1 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 60^\circ$. E is a point on BC such that $\angle CAE = 49^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☐ 1. 80°
 - ☐ 2. 87°
 - ☐ 3. 85°
 - ☒ 4. 79°

Q.2 The average weight of Rupesh, Mandar and Ketan is 45 kg. If the average weight of Rupesh and Mandar is 43 kg and that of Mandar and Ketan is 49 kg, then the weight of Mandar (in kg) is:

- Ans**
- ☐ 1. 64
 - ☒ 2. 49
 - ☐ 3. 69
 - ☐ 4. 59



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Q.3 Simplify the following.

$$2\left(\left(\frac{5}{2}\right)x^2 - 28x + 17\right) - 5(x^2 + 6x - 18)$$

- Ans
- ✓ 1. $-86x + 124$
 - ✗ 2. $-86x - 124$
 - ✗ 3. $86x + 124$
 - ✗ 4. $86x - 124$

Q.4 Pipe A can fill a tank in 17 hours, pipe B can fill the same tank in 24 hours and pipe C can fill the same tank in 18 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ✗ 1. $10\frac{78}{191}$ hours
 - ✓ 2. $6\frac{78}{191}$ hours
 - ✗ 3. $16\frac{78}{191}$ hours
 - ✗ 4. $13\frac{78}{191}$ hours

Q.5 Neha, Rajat, and Avinash invest ₹1,430, ₹1,680, and ₹1,340, respectively, to start a business. If the profit at the end of the year is ₹1,780, then what is the share of Avinash in the profit?

- Ans
- ✗ 1. ₹537
 - ✓ 2. ₹536
 - ✗ 3. ₹533
 - ✗ 4. ₹538

Q.6 By how much is 65% of 75 greater than $\frac{3}{5}$ of 25?

- Ans
- ✗ 1. 30.75
 - ✗ 2. 31.75
 - ✗ 3. 27.75
 - ✓ 4. 33.75

Q.7 The LCM of the numbers 4.7 and 0.04 is:

- Ans
- ✓ 1. 9.4
 - ✗ 2. 0.94
 - ✗ 3. 94
 - ✗ 4. 0.094

Q.8 A woman travels 488 km at 61 km/hr, a second distance of 468 km at 78 km/hr and a third distance of 210 km at 35 km/hr. Find her average speed for the whole journey (in km/hr).

- Ans
- ✗ 1. 61.1
 - ✗ 2. 68.8
 - ✗ 3. 59.7
 - ✓ 4. 58.3



Q.9 If the third proportional of 50 and 30 is x, then what is the value of x?

- Ans**
- ☐ 1. 21
 - ☐ 2. 15
 - ☐ 3. 20
 - ☒ 4. 18

Q.10 If 3 times Mary's present age is 22 years more than 5 times Dia's present age, and 3 times Dia's present age is 2 years less than Mary's present age, then what is the difference (in years) between the ages of Mary and Dia?

- Ans**
- ☐ 1. 7
 - ☐ 2. 13
 - ☒ 3. 10
 - ☐ 4. 15

Q.11 If the radius of a sphere is increased to twelve times its original radius, then by how many times does its surface area increase?

- Ans**
- ☐ 1. 128
 - ☒ 2. 144
 - ☐ 3. 64
 - ☐ 4. 164

Q.12 A man walks to a viewpoint and returns to the starting point by his car maintaining constant speed and thus takes a total time of 4 hours 30 minutes. He would have gained 2 hours by driving both ways. How long would it have taken for him to walk both ways with same walking speed?

- Ans**
- ☒ 1. 6 hours 30 minutes
 - ☐ 2. 7 hours 30 minutes
 - ☐ 3. 5 hours 15 minutes
 - ☐ 4. 6 hours 45 minutes

Q.13 The value of $67 - 9 \times [4 + 3 \times \{16 - 8(6 - 5) \times 2\} \div 32]$ is:

- Ans**
- ☐ 1. 40
 - ☐ 2. 25
 - ☒ 3. 31
 - ☐ 4. 47

Q.14 The cost of 10 pens and 3 pencils is ₹129. If the cost of a pen decreases by ₹6 and the cost of a pencil increases by ₹9, then the cost of 8 pens and 2 pencils is ₹72. What is the original cost of 9 pens and 16 pencils?

- Ans**
- ☒ 1. ₹156
 - ☐ 2. ₹160
 - ☐ 3. ₹155
 - ☐ 4. ₹161

Q.15 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month in 4 months.

- Ans**
- ☐ 1. 24
 - ☐ 2. 12
 - ☐ 3. 32
 - ☒ 4. 144



Q.16 A book has a marked price of ₹500. During a festive sale, it is sold at a 10% discount. What is the amount of discount given?

- Ans
- ☒ 1. ₹60
 - ☒ 2. ₹50
 - ☒ 3. ₹45
 - ☒ 4. ₹40

Q.17 The value of $2^2 + \sqrt{5^2} - 3\sqrt{25} - 10$ is

- Ans
- ☒ 1. -10
 - ☒ 2. -16
 - ☒ 3. -8
 - ☒ 4. -7

Q.18 The sides of a triangle are 72 cm, 90 cm, and 54 cm. What is its area? (in cm^2)

- Ans
- ☒ 1. 1973
 - ☒ 2. 1944
 - ☒ 3. 1912
 - ☒ 4. 1954

Q.19 The simple interest on a certain sum for $9\frac{1}{2}$ years at the rate of 5.9% per annum is ₹6,726.

What will be the amount payable on the same sum at the rate of 5.6% per annum simple interest in $3\frac{1}{7}$ years?

- Ans
- ☒ 1. ₹14,095
 - ☒ 2. ₹14,100
 - ☒ 3. ₹14,104
 - ☒ 4. ₹14,112

Q.20 The H.C.F. and the L.C.M. of two numbers are 11 and 440, respectively. If one of the numbers is 55, find the other one.

- Ans
- ☒ 1. 10
 - ☒ 2. 70
 - ☒ 3. 14
 - ☒ 4. 88

Q.21 Manisha bought a toy for ₹849, decorated it at a cost of ₹6 and sold the toy for ₹441. Find the loss or profit percentage.

- Ans
- ☒ 1. $\frac{920}{19}\%$ loss
 - ☒ 2. 920% loss
 - ☒ 3. $\frac{930}{19}\%$ profit
 - ☒ 4. $\frac{920}{19}\%$ profit

Q.22 The value of $\sqrt{169} + \sqrt{0.0196} - \sqrt{4.41}$ is ____.

- Ans
- ☒ 1. 4.52
 - ☒ 2. 5.64
 - ☒ 3. 11.04
 - ☒ 4. 6.17



Q.23 Abdul and Mohsin together invested ₹79,200 in a business. At the end of the year, out of a total profit of ₹14,400, Mohsin's share was ₹2,600. What was the difference between their investments?

- Ans**
- ☐ 1. ₹52,000
 - ☒ 2. ₹50,600
 - ☐ 3. ₹49,800
 - ☐ 4. ₹51,400

Q.24 The income of Raman is ₹91,700. He saves 25% of his income. If his income increases by 27% and expenditure increases by 40%, then his savings will:

- Ans**
- ☒ 1. decrease by ₹2,751
 - ☐ 2. increase by ₹2,753
 - ☐ 3. decrease by ₹2,753
 - ☐ 4. increase by ₹2,754

Q.25 Shifa can do a certain piece of work in 30 days. Shifa and Afiya can together do the same work in 18 days, and Shifa, Afiya and Mariyam can do the same work together in 9 days. In how many days can Shifa and Mariyam do the same work?

- Ans**
- ☐ 1. $\frac{40}{5}$
 - ☐ 2. $\frac{37}{4}$
 - ☐ 3. $\frac{53}{6}$
 - ☒ 4. $\frac{45}{4}$

Q.26 If $\operatorname{cosec} \theta + \sin \theta = 2$, then find the value of $\operatorname{cosec}^6 \theta + \sin^6 \theta$.

- Ans**
- ☒ 1. 2
 - ☐ 2. 3
 - ☐ 3. $\frac{1}{2}$
 - ☐ 4. 1

Q.27 The value of $2^3 - 3^2 + \left(\frac{2}{2}\right)^2 - 2 + 4 \times 7 =$ _____.

- Ans**
- ☐ 1. 28
 - ☐ 2. 35
 - ☐ 3. 31
 - ☒ 4. 26

Q.28 An article listed at ₹500 is sold at successive discounts of 10% and 14%. The buyer wants to sell it at a profit of 15% after offering a 10% discount. What should be his list price (in ₹)?

- Ans**
- ☐ 1. 484.50
 - ☐ 2. 485
 - ☒ 3. 494.50
 - ☐ 4. 474



Q.29 A trader claims to sell pulses at a profit of 48%, but also dishonestly uses a weight which is 12% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)

- Ans**
- ☐ 1. 63%
 - ☐ 2. 71%
 - ☒ 3. 68%
 - ☐ 4. 72%

Q.30 The sum of five numbers is 655. The average of the first two numbers is 80 and the third number is 108. Find the average of the remaining two numbers.

- Ans**
- ☐ 1. 189
 - ☒ 2. 193.5
 - ☐ 3. 194.5
 - ☐ 4. 188

Section : **General Intelligence and Reasoning**

Q.1 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 4562734, what will be difference between the highest and lowest digits in the number thus formed?

- Ans**
- ☐ 1. 5
 - ☐ 2. 4
 - ☒ 3. 6
 - ☐ 4. 7

Q.2 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

CURD - RCUD - DRUC
KIDS - DKIS - SDIK

- Ans**
- ☐ 1. SLAY - ASLY - LAYS
 - ☐ 2. PEAT - EPAT - TEAP
 - ☐ 3. TEAM - TAEM - MAET
 - ☒ 4. WASH - SWAH - HSAW

Q.3 Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. Only two people sit to the left of K. Only three people sit between K and L. Only one person sits between L and J. N sits to the immediate left of I. M is not an immediate neighbour of L. How many people sit to the right of O?

- Ans**
- ☐ 1. Four
 - ☐ 2. Two
 - ☐ 3. Three
 - ☒ 4. One

Q.4 HLOY is related to KNRA in a certain way based on the English alphabetical order. In the same way, TTAG is related to WVDI. To which of the given options is CZJM related, following the same logic?

- Ans**
- ☐ 1. FBOM
 - ☐ 2. FOMB
 - ☒ 3. FBMO
 - ☐ 4. FMOB



Q.5 Riya starts from Point P and drives 8 km towards the south. Then she takes a right turn, drives 11 km, she turns right again and drives 14 km. She then takes a right turn and drives 15 km. Then she takes left turn and drives 2 km, she takes a left turn again and drives 4 km and stops at Point Q. How far (shortest distance) and towards which direction should she drive in order to reach Point P again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ 1. 4 km towards the south
 - ☐ 2. 4 km towards the north
 - ☒ 3. 8 km towards the south
 - ☐ 4. 6 km towards the north

Q.6 In a certain code language, 'DONT' is coded as '1097' and 'NATO' is coded as '0187'. What is the code for 'A' in the given code language?

- Ans**
- ☐ 1. 7
 - ☐ 2. 0
 - ☒ 3. 8
 - ☐ 4. 1

Q.7 This question is based on five, four-digit numbers given below.

(Left) 4138 2345 6367 5353 1276 (Right)

(Example: 6975 – First digit = 6, second digit = 9, third digit = 7 and fourth digit = 5)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the second largest number is multiplied to the second digit of the largest number?

- Ans**
- ☐ 1. 5
 - ☐ 2. 6
 - ☐ 3. 7
 - ☒ 4. 9

Q.8 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. KO-RN
 - ☐ 2. NR-UP
 - ☐ 3. AE-HC
 - ☐ 4. QU-XS

Q.9 Town T is to the west of Town S. Town U is to the south of Town T. Town V is to the west of Town U. Town W is to the south of Town V. Town X is to the west of Town W. What is the position of Town X with respect to Town S?

- Ans**
- ☒ 1. Southwest
 - ☐ 2. Southeast
 - ☐ 3. Northwest
 - ☐ 4. Northeast

Q.10 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

USR ROT OKV LGX ?

- Ans**
- ☐ 1. IDS
 - ☒ 2. ICZ
 - ☐ 3. JWZ
 - ☐ 4. LKX



Q.11 What should come in place of the question mark (?) in the given series?

561 560 562 561 563 562 564 ?

- Ans**
- ☐ 1. 562
 - ☐ 2. 564
 - ☒ 3. 563
 - ☐ 4. 565

Q.12 Seven boxes F, G, H, M, N, O and P are kept one over the other but not necessarily in the same order. O is kept immediately above F. G is kept immediately above M. Only P is kept above N. Only two boxes are kept above O. G is not kept at third position from the bottom. How many boxes are kept between H and P?

- Ans**
- ☐ 1. Four
 - ☒ 2. Three
 - ☐ 3. Two
 - ☐ 4. One

Q.13 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then what will come in place of the question mark (?) in the following equation?

32 B 5 C 63 B 5 D 89 C 9 A 9 D 7 = ?

- Ans**
- ☐ 1. 293
 - ☒ 2. 380
 - ☐ 3. 349
 - ☐ 4. 308

Q.14 In a certain code language, 'LOAD' is coded as '5364' and 'GOLD' is coded as '4136'. What is the code for 'G' in the given code language?

- Ans**
- ☐ 1. 6
 - ☐ 2. 4
 - ☒ 3. 1
 - ☐ 4. 3

Q.15 In a certain code language,
'A ¥ B' means 'A is the father of B',
'A # B' means 'A is the brother of B',
'A % B' means 'A is the son of B' and
'A = B' means 'A is the wife of B'.

How is A related to D if 'A = S # G % E ¥ D'?

- Ans**
- ☒ 1. Brother's wife
 - ☐ 2. Sister's brother
 - ☐ 3. Sister's son
 - ☐ 4. Brother's son

Q.16 Karan, Shiv, Ritu, Himani, Gunjan and Pari are sitting in a straight line, facing north. Karan sits third to the left of Himani. Himani sits second from the right end. Pari sits to the immediate left of Gunjan. Shiv does not sit next to Karan. Who sits second to the right of Gunjan?

- Ans**
- ☐ 1. Karan
 - ☒ 2. Shiv
 - ☐ 3. Ritu
 - ☐ 4. Himani



Q.17 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All forks are spoons. Some forks are caps.

Conclusions (I): Some spoons are caps.

Conclusions (II): All caps are forks.

- Ans**
- ☐ 1. Both conclusions (I) and (II) follow.
 - ☐ 2. Neither conclusion (I) nor (II) follows.
 - ☒ 3. Only conclusion (I) follows.
 - ☐ 4. Only conclusion (II) follows.

Q.18 RBNH is related to LVHB in a certain way based on the English alphabetical order. In the same way, TDPJ is related to NXJD. To which of the given options is BLXR related, following the same logic?

- Ans**
- ☐ 1. VFRL
 - ☐ 2. VRFL
 - ☒ 3. VFRL
 - ☐ 4. VLRF

Q.19 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(48, 26, 15)
(88, 46, 25)

- Ans**
- ☐ 1. (12, 6, 7)
 - ☐ 2. (58, 34, 19)
 - ☐ 3. (36, 20, 8)
 - ☒ 4. (24, 14, 9)

Q.20 Each of the digits in the number 67849315 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

- Ans**
- ☐ 1. 9
 - ☒ 2. 10
 - ☐ 3. 7
 - ☐ 4. 11

Q.21 Refer to the following number, symbol series and answer the question that follow. Counting to be done from left to right only.

(Left) 6 \ & > 3 @ 8 * & @ 7 1 ^ @ 4 ? \ ? 4 5 < (Right)

How many such numbers are there each of which is immediately preceded by a symbol and also immediately followed by a symbol?

- Ans**
- ☐ 1. Two
 - ☐ 2. Four
 - ☒ 3. Three
 - ☐ 4. One



Q.22 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All gardens are forests.

All forests are meadows.

Conclusions:

(I) All gardens are meadows.

(II) All meadows are forests.

- Ans**
- ☒ 1. Only conclusion (I) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (II) follows.
 - ☐ 4. Neither conclusion (I) nor (II) follows.

Q.23 Mr. Toni ranked 94th from the bottom and 65th from the top in his class. How many students are there in his class?

- Ans**
- ☐ 1. 159
 - ☐ 2. 156
 - ☐ 3. 157
 - ☒ 4. 158

Q.24 What should come in place of the question mark (?) in the given series?

19 42 78 122 179 ?

- Ans**
- ☐ 1. 234
 - ☒ 2. 244
 - ☐ 3. 243
 - ☐ 4. 204

Q.25 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. NIO
 - ☐ 2. KFM
 - ☐ 3. TOV
 - ☐ 4. QLS

Q.26 What should come in place of the question mark (?) in the given series?

154 181 208 ? 262 289

- Ans**
- ☐ 1. 242
 - ☒ 2. 235
 - ☐ 3. 228
 - ☐ 4. 260

Q.27 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LSP 15 OOO 12 RKN 9 UGM 6 ?

- Ans**
- ☐ 1. DLV 4
 - ☒ 2. XCL 3
 - ☐ 3. DSR 9
 - ☐ 4. XLC 7



Q.28 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)

Ans  1. KO-RW

 2. IM-PT

 3. MQ-TX

 4. FJ-MQ

Q.29 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$14 \div 4 + 78 \times 13 - 13 = ?$$

Ans  1. 65

 2. 55

 3. 63

 4. 58

Q.30 Raj ranked 35th from the top and 27th from the bottom in his class. How many students are there in his class?

Ans  1. 60

 2. 62

 3. 63

 4. 61





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	04/09/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Durgapur Steel Plant of West Bengal is situated on the banks of which river?

- Ans**
- ☒ 1. Damodar
 - ☐ 2. Teesta
 - ☐ 3. Mahananda
 - ☐ 4. Hooghly

Q.2 What is the primary purpose of Judicial Review in India?

- Ans**
- ☒ 1. To examine the constitutionality of laws
 - ☐ 2. To amend the Constitution
 - ☐ 3. To appoint ministers
 - ☐ 4. To elect judges

Q.3 Within how many days must information be provided under the RTI Act for general requests?

- Ans**
- ☒ 1. 30 days
 - ☐ 2. 20 days
 - ☐ 3. 60 days
 - ☐ 4. 15 days

Q.4 On which of the following dates did Mahatma Gandhi begin a 21-day fast of self-purification to support the Harijan movement?

- Ans**
- ☐ 1. 9 March 1930
 - ☐ 2. 7 May 1923
 - ☐ 3. 8 September 1927
 - ☒ 4. 8 May 1933

Q.5 Which of the following was NOT a part of the New Economic Policy reforms introduced in 1991?

- Ans**
- ☐ 1. Liberalisation
 - ☐ 2. Globalisation
 - ☐ 3. Privatisation
 - ☒ 4. Nationalisation of banks



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Q.6 The Indian Army celebrated its 77th Army Day at Pune on which date, which marked the third occasion that the Army Day Parade was held outside Delhi?

- Ans**
- ☐ 1. 5 March 2025
 - ☐ 2. 5 February 2025
 - ☐ 3. 15 February 2025
 - ☒ 4. 15 January 2025

Q.7 Who headed the Diwan-i-Arz and was responsible for managing soldiers, branding horses, and administering war provisions?

- Ans**
- ☐ 1. Naib
 - ☐ 2. Amir-i-Dad
 - ☒ 3. Ariz-i-Mumalik
 - ☐ 4. Dabir-i-Khas

Q.8 How did globalisation impact Indian industries?

- Ans**
- ☐ 1. Made them weaker
 - ☐ 2. Banned private companies
 - ☒ 3. Gave more competition and modern technology
 - ☐ 4. Closed them down

Q.9 Which one of the following statements correctly explains the cause of volcanism?

- Ans**
- ☒ 1. It results from molten rock rising from the Earth's interior.
 - ☐ 2. It is caused by excessive surface erosion.
 - ☐ 3. It happens because of atmospheric disturbances.
 - ☐ 4. It is due to the movement of glaciers.

Q.10 Social life in the Vedic period was divided into how many ashramas?

- Ans**
- ☒ 1. Four
 - ☐ 2. Three
 - ☐ 3. Six
 - ☐ 4. Ten

Q.11 Which statement best differentiates ROM from RAM in terms of volatility and usage?

- Ans**
- ☒ 1. RAM is volatile and stores temporary data; ROM is non-volatile and stores boot instructions.
 - ☐ 2. ROM is used for multitasking; RAM is used for storing BIOS.
 - ☐ 3. ROM is volatile and used for running programs; RAM is non-volatile and stores firmware.
 - ☐ 4. RAM is permanent; ROM is temporary.

Q.12 The first session of the Indian National Congress was presided by _____.

- Ans**
- ☐ 1. Gopal Krishna Gokhale
 - ☐ 2. Dadabhai Naoroji
 - ☐ 3. Mahadev Govind Ranade
 - ☒ 4. Womesh Chandra Bonnerjee

Q.13 Which of the following could be regarded as the only positive outcome of the British reforms in India?

- Ans**
- ☐ 1. Deindustrialisation
 - ☐ 2. Ruralisation
 - ☐ 3. One-way free trade
 - ☒ 4. Social reform laws



Q.14 In February 2025, which Indian agency launched a ₹500-crore Technology Adoption Fund to support early-stage space startups and reduce import dependency?

- Ans**
- ☐ 1. Antrix Corporation
 - ☐ 2. ISRO
 - ☐ 3. DRDO
 - ☒ 4. IN-SPACe

Q.15 The Eleventh Schedule of the Constitution was introduced through the 73rd Amendment. What is its significance in the context of Panchayati Raj?

- Ans**
- ☐ 1. It outlines administrative powers of the Gram Sabha.
 - ☐ 2. It lists subjects to be legislated by the Union government.
 - ☒ 3. It specifies 29 functional subjects to be devolved to Panchayats by States.
 - ☐ 4. It specifies 44 functional subjects to be devolved to Panchayats by States.

Q.16 Who became the Chief Minister of Delhi after the February 2025 Legislative Assembly elections?

- Ans**
- ☐ 1. Arvind Kejriwal
 - ☐ 2. Parvesh Verma
 - ☐ 3. Atishi Marlena
 - ☒ 4. Rekha Gupta

Q.17 According to a March 2025 PIB report, India's defence production reached ₹1.27 trillion in FY 2023-24, showing an increase of what percentage from FY 2014-15?

- Ans**
- ☐ 1. 200%
 - ☒ 2. 174%
 - ☐ 3. 130%
 - ☐ 4. 151%

Q.18 The Appropriation Bill 2025, was introduced in the Lok Sabha by which Ministry?

- Ans**
- ☐ 1. Ministry of External Affairs
 - ☐ 2. Ministry of Defence
 - ☒ 3. Ministry of Finance
 - ☐ 4. Ministry of Home Affairs

Q.19 In which of the following years was Amazon.in launched in India?

- Ans**
- ☒ 1. 2013
 - ☐ 2. 2008
 - ☐ 3. 2015
 - ☐ 4. 2010

Q.20 Where was the 12th International Tourism Mart (ITM) held in November 2024 to promote Northeast India's tourism potential?

- Ans**
- ☐ 1. Imphal, Manipur
 - ☒ 2. Kaziranga, Assam
 - ☐ 3. Aizawl, Mizoram
 - ☐ 4. Shillong, Meghalaya

Q.21 What is the known equation that connects the concentration of a buffer solution's constituents, weak acid/salt or weak base/salt, and its pH?

- Ans**
- ☐ 1. Arrhenius equation
 - ☐ 2. Nernst - Boyle equation
 - ☒ 3. Henderson-Hasselbalch equation
 - ☐ 4. Van't Hoff equation



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Q.22 Which of the following is not a function of biosphere reserves?

- Ans**
- ☐ 1. Cultural heritage preservation
 - ☒ 2. Promotion of monoculture farming
 - ☐ 3. Sustainable development of local communities
 - ☐ 4. Conservation of biodiversity

Q.23 Which sector was the largest contributor to India's GDP between 1947 and 1991?

- Ans**
- ☐ 1. Service sector
 - ☒ 2. Agriculture sector
 - ☐ 3. Industrial sector
 - ☐ 4. Financial sector

Q.24 Which of the following is considered a non-renewable natural resource?

- Ans**
- ☐ 1. Wind energy
 - ☐ 2. Forests
 - ☐ 3. Solar energy
 - ☒ 4. Natural gas

Q.25 In which of the following years was Sanskrit declared a Classical Language in India?

- Ans**
- ☒ 1. 2005
 - ☐ 2. 2003
 - ☐ 3. 2010
 - ☐ 4. 2002

Q.26 Which of the following cities hosted the 2025 Conferences of the Parties for the Basel, Rotterdam and Stockholm Conventions (BRS COPs)?

- Ans**
- ☒ 1. Geneva
 - ☐ 2. Rotterdam
 - ☐ 3. Stockholm
 - ☐ 4. Hong Kong

Q.27 The Banking Laws (Amendment) Bill passed in the Rajya Sabha in March 2025 extended the tenure of Directors of co-operative banks to how many years?

- Ans**
- ☒ 1. 10 years
 - ☐ 2. 6 years
 - ☐ 3. 9 years
 - ☐ 4. 8 years

Q.28 Which of the following organisations unveiled the country's first five Carbon Capture and Utilisation (CCU) testbeds in the cement sector in May 2025?

- Ans**
- ☐ 1. Indian Space Research Organisation (ISRO)
 - ☐ 2. Union Ministry of Environment, Forest and Climate Change (MoEFCC)
 - ☒ 3. Department of Science and Technology (DST), Government of India
 - ☐ 4. Defence Research and Development Organisation (DRDO)

Q.29 The retreating monsoon causes rainfall mainly in ____.

- Ans**
- ☐ 1. Assam
 - ☒ 2. Tamil Nadu
 - ☐ 3. Maharashtra
 - ☐ 4. Punjab



Q.30 In an optical fibre, the core is made of a _____.

- Ans**
- ✓ 1. material with higher refractive index
 - ✗ 2. material with lower refractive index
 - ✗ 3. material with higher density
 - ✗ 4. material with lower density

Q.31 Which Indian actress was honoured at Cannes 2025 as part of the 'Women in Cinema' initiative?

- Ans**
- ✗ 1. Deepika Padukone
 - ✓ 2. Jacqueline Fernandez
 - ✗ 3. Priyanka Chopra
 - ✗ 4. Alia Bhatt

Q.32 Which Constitutional Amendment has most recently extended the reservation of seats for Scheduled Castes (SCs) and Scheduled Tribes (STs) in the Lok Sabha and State Legislative Assemblies for another ten years?

- Ans**
- ✗ 1. 15th Amendment
 - ✗ 2. 42nd Amendment
 - ✓ 3. 104th Amendment
 - ✗ 4. 61st Amendment

Q.33 A person who migrated from Pakistan after 19 July 1948 could become an Indian citizen, only if:

- Ans**
- ✗ 1. he was registered by an officer of the Dominion of India
 - ✗ 2. he was a resident of Pakistan in 1948
 - ✗ 3. he took an oath of allegiance
 - ✓ 4. he was born in India before 1947

Q.34 Shambhu Maharaj, awarded the Sangeet Natak Akademi Fellowship in 1967, was renowned for his contribution to which of the following Indian art forms?

- Ans**
- ✗ 1. Carnatic music
 - ✗ 2. Bharatanatyam dance
 - ✗ 3. Hindustani classical music
 - ✓ 4. Kathak dance

Q.35 What is the industrial name for calcium sulphate hemihydrate?

- Ans**
- ✗ 1. Gypsum
 - ✗ 2. Quick lime
 - ✓ 3. Plaster of Paris
 - ✗ 4. Slaked lime

Q.36 Which of the following is the highest Himalayan peak located in India (excluding POK)?

- Ans**
- ✗ 1. Dhaulagiri
 - ✓ 2. Kanchenjunga
 - ✗ 3. Mount Everest
 - ✗ 4. Nanga Parbat

Q.37 Which of the following is a good way to organise files in Windows?

- Ans**
- ✗ 1. Store all files on the desktop
 - ✓ 2. Create separate folders for different types of files
 - ✗ 3. Keep files with different subjects in one folder
 - ✗ 4. Rename all files with random characters



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Q.38 Who was awarded the Major Dhyan Chand Khel Ratna Award 2024 for becoming the youngest World Chess Champion in January 2025?

- Ans**
- ☐ 1. Arjun Erigaisi
 - ☐ 2. Nihal Sarin
 - ☐ 3. R Praggnanandhaa
 - ☒ 4. Gukesh D

Q.39 Who was elected as the President of Lebanon in January 2025, ending a two-year vacancy?

- Ans**
- ☐ 1. Hassan Diab
 - ☐ 2. Michel Aoun
 - ☒ 3. Joseph Aoun
 - ☐ 4. Saad Hariri

Q.40 In May 2024, the World Health Organization (WHO) prequalified the QDENGGA vaccine developed by Takeda Pharmaceuticals. This vaccine is designed to protect against which disease?

- Ans**
- ☒ 1. Dengue
 - ☐ 2. Malaria
 - ☐ 3. Chikungunya
 - ☐ 4. Zika

Section : **Mathematics**

Q.1 4 years ago, the age of a father was 33 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans**
- ☒ 1. 29
 - ☐ 2. 28
 - ☐ 3. 34
 - ☐ 4. 25

Q.2 One diagonal and perimeter of a rhombus are 16 cm and 40 cm, respectively. Find the other diagonal.

- Ans**
- ☐ 1. 10 cm
 - ☒ 2. 12 cm
 - ☐ 3. 11 cm
 - ☐ 4. 14 cm

Q.3 A woman travels 432 km at 72 km/hr, a second distance of 275 km at 55 km/hr and a third distance of 680 km at 85 km/hr. Find her average speed for the whole journey (in km/hr).

- Ans**
- ☐ 1. 76
 - ☐ 2. 80
 - ☐ 3. 66
 - ☒ 4. 73

Q.4 The value of $\sqrt{169} + \sqrt{0.0324} - \sqrt{7.29}$ is ____.

- Ans**
- ☐ 1. 16.76
 - ☐ 2. 4.97
 - ☐ 3. 7.76
 - ☒ 4. 10.48



Q.5 The marks scored by 10 students are given below.

10, 13, 17, 11, 11, 13, 14, 16, 13, 13

The mode of the data is:

- Ans ☒ 1. 13
☐ 2. 11
☐ 3. 17
☐ 4. 10

Q.6 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 63^\circ$. E is a point on BC such that $\angle CAE = 76^\circ$. What is the measure of $\angle AEB$?

- Ans ☐ 1. 91°
☒ 2. 103°
☐ 3. 105°
☐ 4. 96°

Q.7 Ayushi bought a toy for ₹461, decorated it at a cost of ₹15, and sold the toy for ₹918. Find the loss or gain percentage.

- Ans ☐ 1. $\frac{660}{7}\% \text{ loss}$
☐ 2. $\frac{650}{7}\% \text{ loss}$
☒ 3. $\frac{650}{7}\% \text{ profit}$
☐ 4. 650% profit

Q.8 The simple interest on a certain sum for $4\frac{5}{9}$ years at the rate of 3.6% per annum is ₹5,453.

What will be the amount payable on the same sum at the rate of 2.7% per annum simple interest in $6\frac{2}{9}$ years?

- Ans ☐ 1. ₹38,841
☐ 2. ₹38,819
☐ 3. ₹38,828
☒ 4. ₹38,836

Q.9 Find the simple interest (in ₹) if a sum of ₹400 is borrowed for 5.5 years at 8% per annum rate of interest.

- Ans ☒ 1. 176
☐ 2. 276
☐ 3. 156
☐ 4. 226

Q.10 The H.C.F. and the L.C.M. of two numbers are 2 and 410, respectively. If one of the numbers is 82, find the other one.

- Ans ☐ 1. 54
☐ 2. 93
☒ 3. 10
☐ 4. 11



Q.11 The income of Raman is ₹34,000. He saves 28% of his income. If his income increases by 11% and expenditure increases by 30%, then his savings will:

- Ans**
- ☒ 1. decrease by ₹3,604
 - ☐ 2. decrease by ₹5,649
 - ☐ 3. increase by ₹3,644
 - ☐ 4. increase by ₹5,639

Q.12 The value of $\sqrt{169} + \sqrt{0.04} - \sqrt{6.76}$ is ____.

- Ans**
- ☐ 1. 9.88
 - ☐ 2. 10.57
 - ☒ 3. 10.6
 - ☐ 4. 14.94

Q.13 By selling an article at $\frac{3}{8}$ of its actual selling price, Nirbhay incurs a loss of 13%.

If he sells it at 70% of its actual selling price, then the profit percentage is:

- Ans**
- ☐ 1. 60.5%
 - ☐ 2. 63.3%
 - ☐ 3. 63.5%
 - ☒ 4. 62.4%

Q.14 The sides of a triangle are 72 cm, 97 cm, and 65 cm. What is its area? (in cm^2)

- Ans**
- ☐ 1. 2323
 - ☐ 2. 2355
 - ☒ 3. 2340
 - ☐ 4. 2378

Q.15 A wholesaler increases the cost price of an item by 90% while marking it. He then offers a 60% discount on this marked price but finds that he incurs a loss. If the wholesaler wants to achieve no profit and no loss, by what percentage should he change the selling price of the item? (Rounded to one decimal place.)

- Ans**
- ☐ 1. 32.1% decrease
 - ☐ 2. 35.7% decrease
 - ☒ 3. 31.6% increase
 - ☐ 4. 34.5% increase

Q.16 The average of first 157 even numbers is

- Ans**
- ☐ 1. 158.5
 - ☐ 2. 157.5
 - ☐ 3. 159
 - ☒ 4. 158

Q.17 The H.C.F. and the L.C.M. of two numbers are 28 and 840, respectively. If one of the numbers is 168, find the other one.

- Ans**
- ☒ 1. 140
 - ☐ 2. 196
 - ☐ 3. 84
 - ☐ 4. 112



Q.18 An amount of ₹432 is divided among three persons in the ratio of 5 : 14 : 17. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans
- ✓ 1. 144
 - ✗ 2. 62
 - ✗ 3. 178
 - ✗ 4. 132

Q.19 A kurta is marked for ₹750 and sold for ₹660. The rate of discount is:

- Ans
- ✗ 1. 14%
 - ✗ 2. 15%
 - ✓ 3. 12%
 - ✗ 4. 20%

Q.20 Find the mean proportional between 15 and 240.

- Ans
- ✓ 1. 60
 - ✗ 2. 58
 - ✗ 3. 63
 - ✗ 4. 57

Q.21 If $P = \sec\theta + \tan\theta$, then the value of $\frac{P^2 + 1}{2P}$ is:

- Ans
- ✗ 1. 1
 - ✗ 2. $\tan\theta$
 - ✗ 3. 0
 - ✓ 4. $\sec\theta$

Q.22 The product of two consecutive natural numbers is 272. The greater of the two numbers is:

- Ans
- ✗ 1. 9
 - ✗ 2. 36
 - ✗ 3. 28
 - ✓ 4. 17

Q.23 Pipe A can fill a tank in 17 hours, pipe B can fill the same tank in 27 hours and pipe C can fill the same tank in 12 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ✗ 1. $14\frac{191}{329}$ hours
 - ✗ 2. $13\frac{191}{329}$ hours
 - ✓ 3. $5\frac{191}{329}$ hours
 - ✗ 4. $10\frac{191}{329}$ hours

Q.24 Simplify: $x(3x - 6) + 4(x^2 - 5) + 15$

- Ans
- ✗ 1. $-7x^2 - 6x + 5$
 - ✗ 2. $-7x^2 - 6x - 5$
 - ✗ 3. $7x^2 - 6x + 5$
 - ✓ 4. $7x^2 - 6x - 5$



Q.25 Pipe P can fill $\frac{5}{9}$ part of a tank in 25 hours, and pipe Q can fill $\frac{3}{7}$ part of the same tank in 27 hours.

Both P and Q were kept open for 3 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 4 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans**
- ☒ 1. 108 hours
 - ☒ 2. 93 hours
 - ☒ 3. 105 hours
 - ☒ 4. 112 hours

Q.26 ₹13,700 were divided among A, B and C such that 4 times the share of A = 7 times the share of B = 2 times the share of C. Find the share of A.

- Ans**
- ☒ 1. ₹3,921
 - ☒ 2. ₹3,836
 - ☒ 3. ₹3,988
 - ☒ 4. ₹3,664

Q.27 A man walks to a viewpoint and returns to the starting point by his car maintaining constant speed and thus takes a total time of 7 hours 45 minutes. He would have gained 6 hours by driving both ways. How long would it have taken for him to walk both ways with same walking speed?

- Ans**
- ☒ 1. 13 hours 45 minutes
 - ☒ 2. 14 hours 15 minutes
 - ☒ 3. 13 hours 30 minutes
 - ☒ 4. 12 hours 45 minutes

Q.28 The LCM of the numbers 2.8 and 0.217 is:

- Ans**
- ☒ 1. 86.8
 - ☒ 2. 8.68
 - ☒ 3. 0.868
 - ☒ 4. 868

Q.29 Evaluate 34^2 .

- Ans**
- ☒ 1. 1166
 - ☒ 2. 1186
 - ☒ 3. 1156
 - ☒ 4. 1176

Q.30 *By how much is 65% of 65 greater than $\frac{3}{5}$ of 45?*

- Ans**
- ☒ 1. 9.25
 - ☒ 2. 15.25
 - ☒ 3. 13.25
 - ☒ 4. 12.25

Section : General Intelligence and Reasoning

Q.1 FJEC is related to LPKI in a certain way based on the English alphabetical order. In the same way, IMHF is related to OSNL. To which of the following is LPKI related, following the same logic?

- Ans**
- ☒ 1. VROQ
 - ☒ 2. RVOQ
 - ☒ 3. RVQO
 - ☒ 4. VRQO



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Q.2 In a certain code language, 'TEAR' is coded as '7165' and 'SEAT' is coded as '5678'. What is the code for 'S' in the given code language?

- Ans**
- ☒ 1. 8
 - ☐ 2. 5
 - ☐ 3. 7
 - ☐ 4. 6

Q.3 Samad starts from Point A and drives 15 km towards East. He then takes a left turn, drives 6 km, turns left and drives 12 km. He then takes a left turn and drives 8 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 2 km towards North
 - ☐ 2. 4 km towards South
 - ☐ 3. 2 km towards West
 - ☐ 4. 4 km towards North

Q.4 Seven boxes V, W, X, Y, Z, Q and R are kept one over the other but not necessarily in the same order. No box is kept above Z. Only three boxes are kept between Z and W. Only one box is kept between V and R. R is kept immediately above W. Only four boxes are kept between V and X. Q is kept at some place above Y. Which box is kept second below Q?

- Ans**
- ☐ 1. Y
 - ☐ 2. R
 - ☐ 3. X
 - ☒ 4. W

Q.5 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Note: All numbers are single digit numbers only).

(Left) 4 7 + \$ £ 3 & 8 5 @ 1 Ω # * % 6 2 9 (Right)

How many such numbers are there each of which is immediately preceded by another number and also immediately followed by another number?

- Ans**
- ☐ 1. 0
 - ☐ 2. 2
 - ☒ 3. 1
 - ☐ 4. 3

Q.6 Mayank ranked 39th from the top and 11th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 49
 - ☐ 2. 48
 - ☐ 3. 47
 - ☐ 4. 50

Q.7 What should come in place of the question mark (?) in the given series?

550 555 565 570 580 585 ? 600

- Ans**
- ☐ 1. 610
 - ☒ 2. 595
 - ☐ 3. 590
 - ☐ 4. 605



Q.8 Seven boxes P, Q, R, S, X, Y and Z are kept one over the other, but not necessarily in the same order. Only S is kept above X. Only two boxes are kept between X and Z. Only P is kept below R. Q is not kept immediately above Z. How many boxes are kept between Y and P?

- Ans**
- ✓ 1. Two
 - ✗ 2. Three
 - ✗ 3. Four
 - ✗ 4. One

Q.9 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✗ 1. EHC
 - ✓ 2. NQK
 - ✗ 3. YBW
 - ✗ 4. SVQ

Q.10 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✗ 1. LQ-NJ
 - ✓ 2. NS-PK
 - ✗ 3. JO-LH
 - ✗ 4. HM-JF

Q.11 Sumit, Jatin, Ramesh, Priya, Kavita and Manoj are sitting in a straight line, facing north. Sumit sits third from the left end. Manoj sits second to the right of Sumit. Jatin sits to the immediate left of Kavita. Priya does not sit at the end. Who sits second to the left of Priya?

- Ans**
- ✗ 1. Ramesh
 - ✗ 2. Manoj
 - ✓ 3. Kavita
 - ✗ 4. Sumit

Q.12 What should come in place of the question mark (?) in the given series?

16 28 50 82 124 ?

- Ans**
- ✗ 1. 162
 - ✓ 2. 176
 - ✗ 3. 194
 - ✗ 4. 185

Q.13 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ✗ 1. RXT
 - ✗ 2. MSO
 - ✓ 3. FLG
 - ✗ 4. IOK



Q.14 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All mugs are cups.
Some mugs are forks.

Conclusions:

(I): Some cups are forks.

(II): Some forks are mugs.

- Ans**
- ☒ 1. Only conclusion I follows.
 - ☒ 2. Both conclusions I and II follow.
 - ☒ 3. Neither conclusion I nor II follow.
 - ☒ 4. Only conclusion II follows.

Q.15 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

BOAD - OBAD - BADO
DUCK - UDCK - DCKU

- Ans**
- ☒ 1. CAME - ACME - AMEC
 - ☒ 2. HEAP - EHAP - PEAH
 - ☒ 3. FEAN - EFAN - FANE
 - ☒ 4. RUSK - RSUK - KSUR

Q.16 A is the sister of H. H is the mother of R. R is the son of M. G is the mother of M. How is A related to M?

- Ans**
- ☒ 1. Son's daughter
 - ☒ 2. Son's wife's mother
 - ☒ 3. Wife's sister
 - ☒ 4. Son's wife's sister

Q.17 Each of the digits in the number 4796583 is arranged in the ascending order from left to right. What will be the sum of the digits that are first from the left and first from the right in the new number thus formed?

- Ans**
- ☒ 1. 9
 - ☒ 2. 10
 - ☒ 3. 7
 - ☒ 4. 12

Q.18 What should come in place of the question mark (?) in the given series?

24 ? 45 66 94 129

- Ans**
- ☒ 1. 44
 - ☒ 2. 41
 - ☒ 3. 31
 - ☒ 4. 38



Q.19 Refer to the following number and symbol series and answer the question that follows.
All numbers are single-digit. Counting to be done from left to right.

(Left) + # 5 3 \$ Ω 4 ? 9 1 & % 7 * @ 2 £ 6 8 (Right)

How many such symbols are there, each of which is immediately preceded by a symbol and also immediately followed by an even number?

- Ans**
- ☐ 1. None
 - ☐ 2. One
 - ☐ 3. Three
 - ☒ 4. Two

Q.20 Amit started from Point A and travelled 9 km east. He then turned right and travelled 6 km. He then turned right and travelled 7 km. He finally turned right and travelled 6 km to stop at Point E. What is the shortest distance between Point E and Point A? (All turns are 90-degree turns only.)

- Ans**
- ☐ 1. 4 km
 - ☐ 2. 3 km
 - ☒ 3. 2 km
 - ☐ 4. 5 km

Q.21 In a certain code language, 'EXAM' is coded as '3579' and 'HAME' is coded as '5327'. What is the code for 'H' in the given code language?

- Ans**
- ☒ 1. 2
 - ☐ 2. 7
 - ☐ 3. 5
 - ☐ 4. 3

Q.22 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(46, 2208, 24)
(4, 192, 24)

- Ans**
- ☐ 1. (37, 451, 6)
 - ☐ 2. (7, 245, 17)
 - ☒ 3. (39, 546, 7)
 - ☐ 4. (24, 967, 20)

Q.23 Each of the digits in the number 7231456 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☐ 1. Four
 - ☐ 2. One
 - ☒ 3. Two
 - ☐ 4. Three

Q.24 What will come in the place of the question mark (?) in the following equation, if '÷' and '–' are interchanged and '×' and '+' are interchanged?
 $78 \times 2 - 2 + 12 \div 6 \times 5 + 4 \div 4 \times 24 = ?$

- Ans**
- ☒ 1. 124
 - ☐ 2. 148
 - ☐ 3. 154
 - ☐ 4. 136



Q.25 Seven people, I, J, K, L, P, Q and R are sitting in a row, facing north. Only two people sit to the left of R. Only three people sit between R and L. I sits second to the right of R. Only two people sit between I and Q. K sits at some place to the right of J but at some place to the left of P.
How many people sit to the right of K?

- Ans**
- ✓ 1. Three
 - ✗ 2. Two
 - ✗ 3. Four
 - ✗ 4. One

Q.26 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

JUN : HRP
QWJ : OTL

- Ans**
- ✗ 1. JTE : HQH
 - ✗ 2. UTM : SRO
 - ✗ 3. HXB : FUE
 - ✓ 4. GSK : EPM

Q.27 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged, and '-' and '×' are interchanged?

$$27 \times 11 - 3 \div 56 + 2 = ?$$

- Ans**
- ✓ 1. 22
 - ✗ 2. 41
 - ✗ 3. 34
 - ✗ 4. 26

Q.28 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

OIX 28 MLT 17 ? IRL -5 GUH -16

- Ans**
- ✓ 1. KOP 6
 - ✗ 2. KOQ 8
 - ✗ 3. KNP 8
 - ✗ 4. KNO 6

Q.29 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ZXW 21 USR 20 PNM 18 KIH 15 ?

- Ans**
- ✗ 1. FEC 11
 - ✓ 2. FDC 11
 - ✗ 3. GDC 10
 - ✗ 4. FED 10



Q.30 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All pins are bugs.
All pins are lamps.

Conclusions:

(I): Some bugs are lamps.
(II): All lamps are pins.

- Ans**
-  1. Only conclusion (II) follows.
 -  2. Both conclusions (I) and (II) follow.
 -  3. Neither conclusion (I) nor (II) follows.
 -  4. Only conclusion (I) follows.





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	04/09/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Infrastructure development is essential for sustaining high growth and reducing regional disparities. Which of the following sectors is NOT typically included in the core infrastructure sectors in India?

- Ans
- ☒ 1. Cement
 - ☒ 2. Tourism
 - ☒ 3. Electricity
 - ☒ 4. Iron and Steel

Q.2 In which of the following years was the town of Madrasapatnam, which later expanded and developed into modern-day Chennai, purchased by the East India Company (EIC) from local kings?

- Ans
- ☒ 1. 1639
 - ☒ 2. 1690
 - ☒ 3. 1620
 - ☒ 4. 1658

Q.3 Which of the following services is jointly controlled by both the Union and State Governments?

- Ans
- ☒ 1. State Medical Service
 - ☒ 2. Indian Economic Service
 - ☒ 3. Central Engineering Service
 - ☒ 4. Indian Administrative Service

Q.4 Which missile defence system, named Sudarshan Chakra, was used by India to intercept drones and missiles during Pakistan's attempted strikes in May 2025?

- Ans
- ☒ 1. Prithvi Air Defence
 - ☒ 2. Akashteer
 - ☒ 3. S-400 systems
 - ☒ 4. Barak 8

Q.5 Which copper-based alloy is a preferred material for making standard resistors because of its high resistivity and low temperature coefficient?

- Ans
- ☒ 1. Alnico
 - ☒ 2. Manganin
 - ☒ 3. Tungsten
 - ☒ 4. Brass



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Q.6 At the time of independence, India's economy was predominantly:

- Ans**
- ☒ 1. service-based
 - ☒ 2. agricultural
 - ☒ 3. industrial
 - ☒ 4. trade-based

Q.7 Which pair of scientists first proposed the double-helix model for the structure of DNA?

- Ans**
- ☒ 1. Darwin and Wallace
 - ☒ 2. Mendel and Avery
 - ☒ 3. Watson and Crick
 - ☒ 4. Franklin and Chargaff

Q.8 Which of the following is located in the west of the Deccan Plateau?

- Ans**
- ☒ 1. Mahadeo hills
 - ☒ 2. Western Ghats
 - ☒ 3. Maikal range
 - ☒ 4. Eastern Ghats

Q.9 The World Meteorological Organization's (WMO) report, Global Annual to Decadal Climate Update (2025-2029), warns that the Earth's average temperature may rise by how much above pre-industrial levels?

- Ans**
- ☒ 1. 2.5°C to 3.0°C
 - ☒ 2. 1.2°C to 1.9°C
 - ☒ 3. 0.8°C to 1.2°C
 - ☒ 4. 2.0°C to 2.5°C

Q.10 What was the main focus of India's Second Five Year Plan with respect to the economy?

- Ans**
- ☒ 1. Heavy industrialisation
 - ☒ 2. Expansion of services
 - ☒ 3. Promotion of tourism
 - ☒ 4. Green revolution

Q.11 Which shortcut key combination allows you to quickly switch between open applications on a Windows computer?

- Ans**
- ☒ 1. Alt + Tab
 - ☒ 2. Alt + F4
 - ☒ 3. Alt + Del
 - ☒ 4. Ctrl + Tab

Q.12 Who among the following is known for popularising Bharatanatyam on the global stage?

- Ans**
- ☒ 1. Mallika Sarabhai
 - ☒ 2. Sonal Mansingh
 - ☒ 3. Hema Malini
 - ☒ 4. Rukmini Devi Arundale

Q.13 Which of the following statements about succession in the Gupta dynasty is true?

- Ans**
- ☒ 1. Sons had to prove their eligibility before an assembly
 - ☒ 2. The eldest son was always crowned Yuvraj at priority
 - ☒ 3. Only the eldest son could become king
 - ☒ 4. The ruler always declared himself divine to get the throne



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Q.14 Who piloted Vasco da Gama's ship to Calicut during his first successful voyage to India in 1498?

- Ans**
- ☐ 1. Francisco Xavier
 - ☐ 2. Zamorin
 - ☒ 3. Abdul Majid
 - ☐ 4. De Almeida

Q.15 The indigenous inhabitants of India who were hostile, dark skinned and did not follow the Vedic system are referred to in Vedic texts as:

- Ans**
- ☒ 1. Dasyus
 - ☐ 2. Dasas
 - ☐ 3. Dravidas
 - ☐ 4. Aryans

Q.16 A small portion of the Singrauli Coalfield, which is located mainly in the Singrauli district of Madhya Pradesh, falls in which other State?

- Ans**
- ☐ 1. Chhattisgarh
 - ☐ 2. Jharkhand
 - ☒ 3. Uttar Pradesh
 - ☐ 4. Odisha

Q.17 Which of the following countries does NOT share a land border with India?

- Ans**
- ☐ 1. Afghanistan
 - ☐ 2. Bhutan
 - ☒ 3. Thailand
 - ☐ 4. Myanmar

Q.18 In which of the following national parks were eight African cheetahs translocated from Namibia in September 2022?

- Ans**
- ☐ 1. Banni grasslands
 - ☒ 2. Kuno National Park
 - ☐ 3. Mukundara Tiger Reserve
 - ☐ 4. Gandhi Sagar Wildlife Sanctuary

Q.19 Who launched the e-SeHAT application for accessible digital healthcare?

- Ans**
- ☐ 1. Bhupendra Patel
 - ☐ 2. Hemant Soren
 - ☐ 3. Pema Khandu
 - ☒ 4. Omar Abdullah

Q.20 A user wants to rename multiple files in a folder on Windows. What is the correct approach to do this efficiently?

- Ans**
- ☐ 1. Open each file and save it with a new name
 - ☒ 2. Select all files → Right-click → Rename → Type a base name
 - ☐ 3. Drag files to another folder and rename them there
 - ☐ 4. Press Ctrl + Alt + R to rename all files

Q.21 Which state hosted the 7th edition of the Khelo India Youth Games in 2025?

- Ans**
- ☒ 1. Bihar
 - ☐ 2. Karnataka
 - ☐ 3. Gujarat
 - ☐ 4. Maharashtra



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Q.22 Who launched Prismix, an AI-driven media company?

- Ans**
- ☐ 1. Salman Khan
 - ☐ 2. Amir Khan
 - ☒ 3. Ajay Devgn
 - ☐ 4. Shahrukh Khan

Q.23 Which organisation released the State of the World's Children report, 2025?

- Ans**
- ☐ 1. UNDP
 - ☐ 2. UNESCO
 - ☒ 3. UNICEF
 - ☐ 4. WHO

Q.24 Who was named Songwriter of the Year at the 2025 Ivor Novello Awards, held at Grosvenor House, London?

- Ans**
- ☐ 1. Ed Sheeran
 - ☐ 2. Sam Smith
 - ☐ 3. RAYE
 - ☒ 4. Charli XCX

Q.25 Which social activist was awarded the Rammohan Acarya Sanman 2025 for service to rural tribal communities?

- Ans**
- ☐ 1. Medha Patkar
 - ☐ 2. Aruna Roy
 - ☒ 3. Parbati Mahato
 - ☐ 4. Irom Sharmila

Q.26 According to Article 130 of the Constitution of India, the Supreme Court shall sit in Delhi or in such other place or places as may be appointed by:

- Ans**
- ☐ 1. the President, in consultation with the Prime Minister
 - ☐ 2. the Parliament, through legislation
 - ☐ 3. the Union Cabinet, with advice from the Law Ministry
 - ☒ 4. the Chief Justice of India, with the approval of the President

Q.27 Manganese nodules are primarily found on:

- Ans**
- ☐ 1. river deltas
 - ☒ 2. ocean beds
 - ☐ 3. glacier surfaces
 - ☐ 4. mountain slopes

Q.28 Who is regarded as the chief architect of India's Green Revolution?

- Ans**
- ☐ 1. Dr. Manmohan Singh
 - ☐ 2. PV Narasimha Rao
 - ☐ 3. Dr. Verghese Kurien
 - ☒ 4. MS Swaminathan

Q.29 Which Article establishes the office of the President?

- Ans**
- ☐ 1. Article 75
 - ☐ 2. Article 53
 - ☐ 3. Article 74
 - ☒ 4. Article 52



Q.30 Which of the following Schedules deals with the administration and control of Scheduled Areas and Tribes?

- Ans**
- ☐ 1. Ninth
 - ☐ 2. Sixth
 - ☒ 3. Fifth
 - ☐ 4. Seventh

Q.31 On May 20, 2025, the Supreme Court reinstated which requirement for candidates aspiring to become civil judges (junior division)?

- Ans**
- ☐ 1. Mandatory Ph.D. in Law
 - ☒ 2. Three years of legal practice experience
 - ☐ 3. Minimum age of 30 years
 - ☐ 4. Passing a national-level judicial service exam

Q.32 September [2024] the Atacama Desert, where construction of the Extremely Large Telescope (ELT) is underway, is located in which country?

- Ans**
- ☒ 1. Chile
 - ☐ 2. Argentina
 - ☐ 3. Peru
 - ☐ 4. Bolivia

Q.33 How is the vast distance between galaxies measured?

- Ans**
- ☒ 1. In light years
 - ☐ 2. In seconds
 - ☐ 3. In miles
 - ☐ 4. In kilometres

Q.34 Which Indian leader emphasised a 'Nation First' ethos during a seminar in Lucknow in May 2025?

- Ans**
- ☐ 1. Amit Shah
 - ☐ 2. Rajnath Singh
 - ☐ 3. Narendra Modi
 - ☒ 4. Yogi Adityanath

Q.35 Murlikant Rajaram Petkar of Maharashtra was awarded with Arjuna Award 2024 in which of the following fields?

- Ans**
- ☐ 1. Shooting
 - ☒ 2. Para-Swimming
 - ☐ 3. Swimming
 - ☐ 4. Para-Shooting

Q.36 What does VLSRSAM stand for, which was successfully tested by the Indian Navy and Defence Research & Development Organisation (DRDO) in 2025?

- Ans**
- ☒ 1. Vertical-Launch Short-Range Surface-to-Air Missile
 - ☐ 2. Variable Launch Strategic Recon Missile
 - ☐ 3. Very Large Surface Recon Air Missile
 - ☐ 4. Versatile Launch System for Rocket Missiles

Q.37 Which of the following gases is released when baking soda reacts with vinegar?

- Ans**
- ☒ 1. Carbon dioxide
 - ☐ 2. Carbon monoxide
 - ☐ 3. Ammonia
 - ☐ 4. Hydrogen



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Q.38 Which Amendment of the Indian Constitution added Article 39A (free legal aid)?

- Ans**
- ☐ 1. 86th Amendment
 - ☐ 2. 44th Amendment
 - ☐ 3. 73rd Amendment
 - ☒ 4. 42nd Amendment

Q.39 Hool Diwas is celebrated on June 30 every year in India to commemorate the Santhal Hool (rebellion) of _____.

- Ans**
- ☐ 1. 1840
 - ☒ 2. 1855
 - ☐ 3. 1845
 - ☐ 4. 1850

Q.40 The Warli painting tradition gained international recognition, largely due to the efforts of which of the following renowned painters?

- Ans**
- ☒ 1. Jivya Soma Mashe
 - ☐ 2. MF Husain
 - ☐ 3. Amrita Sher-Gil
 - ☐ 4. SH Raza

Section : Mathematics

Q.1 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month in 5 months.

- Ans**
- ☐ 1. 15
 - ☐ 2. 35
 - ☐ 3. 30
 - ☒ 4. 180

Q.2 A shopkeeper offers a scheme discount of 'Buy goods worth ₹6000 and get ₹1000 worth of goods free'. What is the effective discount percentage (rounded off to two decimals)?

- Ans**
- ☐ 1. 12%
 - ☐ 2. 16.67%
 - ☐ 3. 20%
 - ☒ 4. 14.29%

Q.3 Rupesh got an increase of 4% in his sales amount in the first year and 25% in the second year; also with this, his current sales are ₹1,35,200, what was his sales (in ₹) two years ago?

- Ans**
- ☐ 1. ₹84,000
 - ☒ 2. ₹1,04,000
 - ☐ 3. ₹1,30,000
 - ☐ 4. ₹1,08,160

Q.4 A trader claims to sell spices at a profit of 68%, but also dishonestly uses a weight which is 12% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)

- Ans**
- ☒ 1. 91%
 - ☐ 2. 96%
 - ☐ 3. 88%
 - ☐ 4. 89%



Q.5

The value of $\frac{\sin^3 A - \cos^3 A}{1 + \sin A \cdot \cos A} + 2 \sin^2 54^\circ \sec^2 36^\circ$ is:

- Ans
- ☒ 1. $\sin A + \cos A - 2$
 - ☒ 2. $2(1 + \sin A \cdot \cos A)$
 - ☒ 3. $\sin A - \cos A + 2$
 - ☒ 4. $\sin A \cdot \cos A + 2$

Q.6 Shifa can do a certain piece of work in 20 days. Shifa and Afiya can together do the same work in 12 days, and Shifa, Afiya and Mariyam can do the same work together in 9 days. In how many days can Shifa and Mariyam do the same work together?

- Ans
- ☒ 1. $\frac{83}{8}$
 - ☒ 2. $\frac{85}{9}$
 - ☒ 3. $\frac{90}{7}$
 - ☒ 4. $\frac{80}{7}$

Q.7 Shahid and Mira have to travel from Delhi to Kanpur in their respective cars. Shahid is driving at 132 km/hr while Mira is driving at 60 km/hr. Find the time taken by Mira to reach Kanpur if Shahid takes 5 hours.

- Ans
- ☒ 1. 4 hours
 - ☒ 2. 8 hours
 - ☒ 3. 11 hours
 - ☒ 4. 1 hours

Q.8 6 years ago, the age of a father was 40 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans
- ☒ 1. 30
 - ☒ 2. 37
 - ☒ 3. 33
 - ☒ 4. 34

Q.9 An amount of ₹456 is divided among three persons in the ratio of 16 : 14 : 8. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans
- ☒ 1. 48
 - ☒ 2. 120
 - ☒ 3. 96
 - ☒ 4. 133

Q.10 A number when increased by 100% gives 2690. The number is:

- Ans
- ☒ 1. 2690
 - ☒ 2. 672.5
 - ☒ 3. 1345
 - ☒ 4. 4035



Q.11 A can lay railway track between two given stations in 19 days and B can do the same job in 15 days. With the help of C, they did the job in 3 days only. Then, C alone can do the job in

- Ans
- ☐ 1. $13\frac{41}{61}$ days
 - ☐ 2. $7\frac{41}{61}$ days
 - ☒ 3. $4\frac{41}{61}$ days
 - ☐ 4. $11\frac{41}{61}$ days

Q.12 A sum of money triples itself at a certain rate of compound interest in 3 years. In how many years will it amount to 27 times of itself?

- Ans
- ☒ 1. 9 years
 - ☐ 2. 3 years
 - ☐ 3. 17 years
 - ☐ 4. 11 years

Q.13 Ishan bought some pens at the rate of ₹150/dozen. He sold them for ₹17 each. His profit percentage is ____%.

- Ans
- ☐ 1. 38
 - ☒ 2. 36
 - ☐ 3. 40
 - ☐ 4. 34

Q.14 If the third proportional of 8 and 56 be x, then what is the value of x?

- Ans
- ☒ 1. 392
 - ☐ 2. 394
 - ☐ 3. 390
 - ☐ 4. 393

Q.15 The sum of five numbers is 655. The average of the first two numbers is 80, and the third number is 103. Find the average of the remaining two numbers.

- Ans
- ☐ 1. 184
 - ☒ 2. 196
 - ☐ 3. 197
 - ☐ 4. 183

Q.16 The value of $\sqrt{196} + \sqrt{0.0324} - \sqrt{5.76} =$

- Ans
- ☐ 1. 16.52
 - ☒ 2. 11.78
 - ☐ 3. 3.21
 - ☐ 4. 8.04

Q.17 The sum of two numbers is 81 and their L.C.M. is 420. What are the two numbers?

- Ans
- ☐ 1. 14, 67
 - ☐ 2. 26, 55
 - ☐ 3. 19, 62
 - ☒ 4. 21, 60



Q.18 M and N started a business. M invested ₹66,000 more than N for 5 months, while N invested for 7 months. M's share is ₹205 more than that of N, out of a total profit of ₹3,895. Find the capital contributed by M.

- Ans**
- ☐ 1. ₹1,84,910
 - ☐ 2. ₹1,84,849
 - ☒ 3. ₹1,84,800
 - ☐ 4. ₹1,84,602

Q.19 The sum of two numbers is 115 and their L.C.M. is 600. What are the two numbers?

- Ans**
- ☐ 1. 38, 77
 - ☐ 2. 45, 70
 - ☐ 3. 33, 82
 - ☒ 4. 40, 75

Q.20 *The value of $7^2 + \sqrt{10^2} - 2\sqrt{64} - 6$ is*

- Ans**
- ☐ 1. 38
 - ☐ 2. 29
 - ☒ 3. 37
 - ☐ 4. 46

Q.21 The product of two consecutive natural numbers is 30. The greater of the two numbers is:

- Ans**
- ☐ 1. 12
 - ☐ 2. 3
 - ☒ 3. 6
 - ☐ 4. 24

Q.22 Aryan has to reach Ahmedabad which is 977 km away in 11 hours. His starting speed for 4 hours was 39 km/hr. For the next 140 km his speed was 35 km/hr. By what speed he must travel now so as to reach Ahmedabad in the decided time of 11 hours?

- Ans**
- ☒ 1. 227 km/hr
 - ☐ 2. 231 km/hr
 - ☐ 3. 221 km/hr
 - ☐ 4. 229 km/hr

Q.23 Find the area of a triangle whose sides are of lengths 5 cm, 12 cm and 13 cm.

- Ans**
- ☐ 1. 32.5 cm²
 - ☐ 2. 78 cm²
 - ☒ 3. 30 cm²
 - ☐ 4. 60 cm²

Q.24 *Simplify: $3\left(\left(\frac{4}{3}\right)x^2 - 25x + 12\right) - 4(x^2 + 7x - 18)$.*

- Ans**
- ☐ 1. 103x + 108
 - ☐ 2. 103x - 108
 - ☐ 3. -103x - 108
 - ☒ 4. -103x + 108



Q.25 The LCM of the numbers 14.2 and 0.05 is:

- Ans
- ☐ 1. 142
 - ☐ 2. 1.42
 - ☐ 3. 0.142
 - ☒ 4. 14.2

Q.26 The marked price of a ceiling fan is ₹2,500. During off season, it is sold for ₹1,360. Find the discount percentage.

- Ans
- ☐ 1. 44.5%
 - ☐ 2. 45%
 - ☒ 3. 45.6%
 - ☐ 4. 42%

Q.27 The LCM of the numbers 10.8 and 0.06 is:

- Ans
- ☐ 1. 108
 - ☐ 2. 1.08
 - ☒ 3. 10.8
 - ☐ 4. 0.108

Q.28 The average runs scored by a batsman in 23 matches is 44. In the next 10 matches, the batsman scored an average of 14 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

- Ans
- ☐ 1. 36.91
 - ☐ 2. 33.91
 - ☐ 3. 35.91
 - ☒ 4. 34.91

Q.29 The sum of all interior angles of a regular polygon is equal to twice the sum of all its exterior angles. The number of sides of the polygon is:

- Ans
- ☒ 1. 6
 - ☐ 2. 4
 - ☐ 3. 3
 - ☐ 4. 8

Q.30 If the radius of the base of a right circular cylinder is decreased by 19% and its height is increased by 122%, then what is the percentage increase (closest integer) in its volume?

- Ans
- ☐ 1. 33%
 - ☐ 2. 40%
 - ☐ 3. 50%
 - ☒ 4. 46%

Section : General Intelligence and Reasoning

Q.1 Sophie starts from Point A and drives 8 km towards south. She then takes a right turn, drives 6 km, turns left and drives 5 km. She then takes a left turn and drives 6 km. She takes a final right turn, drives 9 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans
- ☐ 1. 18 km towards south
 - ☐ 2. 22 km towards south
 - ☐ 3. 18 km towards east
 - ☒ 4. 22 km towards north



Q.2 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)

- Ans**
- ☒ 1. SV-YD
 - ☒ 2. BE-HM
 - ☒ 3. DG-JO
 - ☒ 4. FI-LO

Q.3 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

96, 12
184, 23

- Ans**
- ☒ 1. 164, 20
 - ☒ 2. 144, 18
 - ☒ 3. 172, 21
 - ☒ 4. 130, 16

Q.4 Seven people A, B, C, D, E, F and G are sitting in a row, facing the north. Only five people sit to the left of B. Only five people sit to the right of A. C sits to the immediate left of F but right of D. E does not sit to the right of D. How many people sit to the right of G?

- Ans**
- ☒ 1. Five
 - ☒ 2. Zero
 - ☒ 3. Three
 - ☒ 4. Four

Q.5 If 1 is added for each even digit and 1 is subtracted from each odd digit of the number 56218643, how many digits are repeated more than once in the new number thus formed?

- Ans**
- ☒ 1. Two
 - ☒ 2. None
 - ☒ 3. Three
 - ☒ 4. One

Q.6 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All fans are lights.
No fan is a bulb.

Conclusions:

(I) No light is an bulb.
(II) No bulb is a fan.

- Ans**
- ☒ 1. Only conclusion II follows.
 - ☒ 2. Neither conclusion I nor II follows.
 - ☒ 3. Only conclusion I follows.
 - ☒ 4. Both conclusions I and II follow.



Q.7 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PHZ 3, SKC 7, VNF 15, YQI 31, BTL 63, ?

- Ans
- ✓ 1. EWO 127
 - ✗ 2. FWO 127
 - ✗ 3. EHO 127
 - ✗ 4. EWO 128

Q.8 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

HARD - AHRD - DRAH
ITEM - TIEM - METI

- Ans
- ✗ 1. WENT - EWNT - TENW
 - ✓ 2. DUSK - UDSK - KSUD
 - ✗ 3. BITE - BTIE - ETIB
 - ✗ 4. LONG - OLNG - ONGL

Q.9 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All pins are bricks.
All pins are rulers.

Conclusions:

(I) Some bricks are rulers.
(II) All rulers are pins.

- Ans
- ✓ 1. Only conclusion (I) follows.
 - ✗ 2. Neither conclusion (I) nor (II) follows.
 - ✗ 3. Only conclusion (II) follows.
 - ✗ 4. Both conclusions (I) and (II) follow.

Q.10 Yusif starts from Point A and drives 9 km towards North. He then takes a left turn, drives 4 km, turns left and drives 11 km. He then takes a left turn and drives 5 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans
- ✓ 1. 1 km to the West
 - ✗ 2. 1 km to the East
 - ✗ 3. 2 km to the North
 - ✗ 4. 2 km to the South

Q.11 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.

(Left) 2 / \ < > 2 5 \$ % + 6 3 / 6 5 6 9 3 @ < & (Right)

How many such numbers are there each of which is immediately preceded by another number and also immediately followed by a symbol?

- Ans
- ✗ 1. Two
 - ✗ 2. Four
 - ✗ 3. One
 - ✓ 4. Three



Q.12 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GNU 11, DKR 21, AHO 41, XEL 81, UBI 161, ?

- Ans**
- ☐ 1. RYF 320
 - ☐ 2. ROF 321
 - ☐ 3. YYF 321
 - ☒ 4. RYF 321

Q.13 In a row of 172 students facing north, Mr. Maxi is 21st from the right end. If Mr. Han is 61st to the left of Mr. Maxi, what is Mr. Han's position from the left end of the line?

- Ans**
- ☒ 1. 91st
 - ☐ 2. 92nd
 - ☐ 3. 90th
 - ☐ 4. 93rd

Q.14 What should come in place of the question mark (?) in the given series?

48 69 94 123 156 ?

- Ans**
- ☐ 1. 223
 - ☐ 2. 213
 - ☒ 3. 193
 - ☐ 4. 203

Q.15 Seven people D, E, F, G, H, I and O are sitting around a circular table, facing the centre of the table. Only one person sits between H and O when counted from the left of O. I sits third to the right of D. F sits third to the left of E. I sits to the immediate right of F. G is not an immediate neighbour of F. How many people sit between G and O when counted from the right of G?

- Ans**
- ☐ 1. One
 - ☒ 2. Three
 - ☐ 3. Two
 - ☐ 4. Four

Q.16 If 1 is added to each even digit and 1 is subtracted from each odd digit of the number 56218643, how many digits are repeated more than once in the new number formed?

- Ans**
- ☐ 1. Two
 - ☒ 2. One
 - ☐ 3. Three
 - ☐ 4. None

Q.17 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. QU-YE
 - ☒ 2. MI-QW
 - ☐ 3. GK-OU
 - ☐ 4. VZ-DJ



Q.18 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

FCV : KZQ
ZQB : ENW

- Ans**
- ☒ 1. MUV : QPZ
 - ☒ 2. PWL : UTG
 - ☒ 3. YNQ : BIT
 - ☒ 4. FLH : KHM

Q.19 In a certain code language,
'A = B' means 'A is the brother of B',
'A ≠ B' means 'A is the father of B',
'A # B' means 'A is the wife of B' and
'A % B' means 'A is the sister of B'.

How is B related to S if 'B ≠ O % A = T # S'?

- Ans**
- ☒ 1. Wife's mother
 - ☒ 2. Wife's father
 - ☒ 3. Wife's brother
 - ☒ 4. Wife's sister

Q.20 Seven boxes I, J, K, L, M, N and P are kept one over the other but not necessarily in the same order. Only L is kept above M. Only P is kept between M and J. Only N is kept below K. How many boxes are kept between I and N?

- Ans**
- ☒ 1. Three
 - ☒ 2. One
 - ☒ 3. Four
 - ☒ 4. Two

Q.21 In a certain code language, 'youth shirt knife' is coded as 'nv to wh' and 'shirt son night' is coded as 'ch rb to'. How is 'shirt' coded in the given code language?

- Ans**
- ☒ 1. nv
 - ☒ 2. wh
 - ☒ 3. to
 - ☒ 4. ch

Q.22 All 119 students in a class are standing in a straight line facing north. Tika is 20th from the right end while Vishnu is 29th from the left end. How many people stand between Tika and Vishnu?

- Ans**
- ☒ 1. 70
 - ☒ 2. 71
 - ☒ 3. 72
 - ☒ 4. 69

Q.23 What should come in place of the question mark (?) in the given series?

92 83 74 ? 56 47 38

- Ans**
- ☒ 1. 67
 - ☒ 2. 62
 - ☒ 3. 65
 - ☒ 4. 69



Q.24 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. JNT
 - ☐ 2. CGM
 - ☐ 3. WAG
 - ☒ 4. NRY

Q.25 What should come in place of the question mark (?) in the given series?

6 6 12 36 ? 720

- Ans
- ☐ 1. 108
 - ☐ 2. 120
 - ☐ 3. 172
 - ☒ 4. 144

Q.26 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

EGO : FHP

WSD : XTE

- Ans
- ☐ 1. POI : QPK
 - ☐ 2. TYC : UZE
 - ☐ 3. JUG : KVI
 - ☒ 4. CUT : DVU

Q.27 Each of the digits in the number 7841236 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans
- ☒ 1. None
 - ☐ 2. Three
 - ☐ 3. One
 - ☐ 4. Two

Q.28 In a certain code language, 'ALSO' is coded as '4367' and 'SLOT' is coded as '2347'. What is the code for 'T' in the given code language?

- Ans
- ☐ 1. 4
 - ☐ 2. 7
 - ☐ 3. 3
 - ☒ 4. 2

Q.29 If 2 is added to each even digit and 2 is subtracted from each odd digit in the number 4792536, what will be the sum of all the even digits in the new number thus formed?

- Ans
- ☐ 1. 16
 - ☒ 2. 18
 - ☐ 3. 14
 - ☐ 4. 12



Q.30 This question is based on the five, three-digit numbers given below.

(Left) 781 752 642 105 864 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(Note: All operations to be done from left to right.)

In how many of the given numbers is the third digit of a number a factor of the first digit as well as second digit of the same number?

- Ans**
- ☒ 1. Two
 - ☐ 2. Four
 - ☐ 3. None
 - ☐ 4. Three





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	08/09/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 What was India's rank in the 2025 Human Development Index (HDI) released by the United Nations Development Programme (UNDP)?

- Ans
- ☒ 1. 135
 - ☒ 2. 130
 - ☒ 3. 140
 - ☒ 4. 125

Q.2 Which Indian minister highlighted India's economic growth and IT advancements at Davos 2025?

- Ans
- ☒ 1. Rajnath Singh
 - ☒ 2. Nirmala Sitharaman
 - ☒ 3. Piyush Goyal
 - ☒ 4. Ashwini Vaishnaw

Q.3 Which of the following initiatives were launched by the Department of Posts in May 2025 to modernise India's addressing system and enhance last-mile delivery?

- Ans
- ☒ 1. India Address Precision System and Postal Service Enhancer
 - ☒ 2. GeoLocate India and Postal Code Finder
 - ☒ 3. Know Your DIGIPIN and Know Your PIN Code web platforms
 - ☒ 4. Digital India Address Mapping and National Postal Tracker

Q.4 What was the position of India in 2014 among the economies of the world?

- Ans
- ☒ 1. 10th largest
 - ☒ 2. 7th largest
 - ☒ 3. 12th largest
 - ☒ 4. 15th largest

Q.5 Which of the following techniques was used by the Harappans to create bronze sculptures?

- Ans
- ☒ 1. Engraving
 - ☒ 2. Lost-wax casting
 - ☒ 3. Stone carving
 - ☒ 4. Hand-molding



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Q.6 Launched by the former Vice-President Jagdeep Dhankhar in May 2025, who is the author of the book 'Chunautiyan Mujhe Pasand Hain'?

- Ans**
- ☒ 1. Santosh Kumar Gangwar
 - ☒ 2. Anandiben Patel
 - ☒ 3. Thaawarchand Gehlot
 - ☒ 4. Pratap Shukla

Q.7 The Mutual Credit Guarantee Scheme, approved by the Government of India in January 2025, provides what percentage of guarantee coverage for credit facility to member lending institutions?

- Ans**
- ☒ 1. 80%
 - ☒ 2. 50%
 - ☒ 3. 60%
 - ☒ 4. 40%

Q.8 Which of the following changes would need the approval of at least half of all State Legislatures?

- Ans**
- ☒ 1. Amending the Emergency provisions in Part XVIII
 - ☒ 2. Rewriting the Preamble's text
 - ☒ 3. Changing the Guarantee of Fundamental Rights
 - ☒ 4. Altering the Union List of subjects

Q.9 Equal pay for equal work is ensured under which Article?

- Ans**
- ☒ 1. Article 39(d)
 - ☒ 2. Article 43
 - ☒ 3. Article 42
 - ☒ 4. Article 39(a)

Q.10 In which year was the Rajiv Gandhi Khel Ratna Award officially renamed the Major Dhyan Chand Khel Ratna Award?

- Ans**
- ☒ 1. 2019
 - ☒ 2. 2015
 - ☒ 3. 2021
 - ☒ 4. 2017

Q.11 Who is described as the 'permanent executive'?

- Ans**
- ☒ 1. Members of the elected Parliament
 - ☒ 2. The permanent civil servants who manage daily administration
 - ☒ 3. Judges of the Supreme Court
 - ☒ 4. The heads of government and their ministers

Q.12 What is the primary objective of the Inter-Services Organisations (Command, Control & Discipline) Rules, which came into effect from May 2025?

- Ans**
- ☒ 1. To centralise intelligence operations
 - ☒ 2. To establish a unified military command structure
 - ☒ 3. To privatise defence manufacturing
 - ☒ 4. To integrate paramilitary forces under the Ministry of Defence



Q.13 Under which Article does the Supreme Court of India exercise original jurisdiction in cases involving the violation of Fundamental Rights?

- Ans**
- ✔ 1. Article 32
 - ✗ 2. Article 136
 - ✗ 3. Article 226
 - ✗ 4. Article 131

Q.14 Which Chilean filmmaker won the top award in the Un Certain Regard section at the 77th Cannes Film Festival for the debut feature 'The Mysterious Gaze of the Flamingo'?

- Ans**
- ✗ 1. Andrés Wood
 - ✔ 2. Diego Céspedes
 - ✗ 3. Sebastián Lelio
 - ✗ 4. Pablo Larraín

Q.15 What is the name of India's indigenous long-range surface-to-air missile system under development, expected to be operational by 2028–29?

- Ans**
- ✗ 1. Agni-V
 - ✗ 2. Trishul
 - ✔ 3. Project Kusha
 - ✗ 4. Akash-NG

Q.16 What was the theme of the 'World Sustainable Development Summit' organised by 'The Energy and Resources Institute' (TERI) at India Habitat Centre New Delhi in March 2025?

- Ans**
- ✗ 1. Land Restoration, Desertification and Drought Resilience
 - ✗ 2. Invest In Our Planet
 - ✔ 3. Partnerships for Accelerating Sustainable Development and Climate Solutions
 - ✗ 4. Ecosystem Restoration

Q.17 The Golden Quadrilateral connects which of the following four major metro cities?

- Ans**
- ✗ 1. Mumbai, Kolkata, Bhopal, Bengaluru
 - ✗ 2. Delhi, Mumbai, Hyderabad, Kolkata
 - ✔ 3. Delhi, Chennai, Kolkata, Mumbai
 - ✗ 4. Delhi, Bengaluru, Hyderabad, Chennai

Q.18 Which of the following is the largest source of electricity generation in India?

- Ans**
- ✗ 1. Solar energy
 - ✗ 2. Nuclear energy
 - ✗ 3. Wind energy
 - ✔ 4. Thermal power

Q.19 Which of the following sectors contributed the most to India's defence exports in FY 2023-24?

- Ans**
- ✔ 1. The private sector contributed about 60% and DPSUs about 40%
 - ✗ 2. Only the private sector
 - ✗ 3. Only DPSUs
 - ✗ 4. The private sector and DPSUs equally

Q.20 In which State will north India's first nuclear project be set up?

- Ans**
- ✔ 1. Haryana
 - ✗ 2. Uttarakhand
 - ✗ 3. Punjab
 - ✗ 4. Himachal Pradesh



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Q.21 Which of the following quantities has both magnitude and direction?

- Ans**
- ☐ 1. Time
 - ☐ 2. Distance
 - ☐ 3. Speed
 - ☒ 4. Velocity

Q.22 Which of the following is an example of chemical weathering?

- Ans**
- ☐ 1. Frost action
 - ☐ 2. Exfoliation
 - ☐ 3. Abrasion
 - ☒ 4. Oxidation

Q.23 Where is India's first Quantum Computing Village proposed to be established, as per a meeting by that state's government in April 2025, under the Real-Time Governance Society (RTGS)?

- Ans**
- ☐ 1. Bengaluru, Karnataka
 - ☐ 2. Thiruvananthapuram, Kerala
 - ☒ 3. Amaravati, Andhra Pradesh
 - ☐ 4. Patna, Bihar

Q.24 Which key urban feature of Indus Valley cities shows advanced planning with streets intersecting at right angles and covered drains?

- Ans**
- ☒ 1. Grid-pattern layout
 - ☐ 2. Citadel only
 - ☐ 3. Slums
 - ☐ 4. Forts

Q.25 The PM SVANidhi scheme is available for beneficiaries belonging to only those States/UTs which have notified rules and a scheme under the Street Vendors (Protection of Livelihood and Regulation of Street Vending) Act, _____.

- Ans**
- ☐ 1. 2001
 - ☐ 2. 2008
 - ☒ 3. 2014
 - ☐ 4. 2005

Q.26 Which of the following pairs is correctly matched with both its abbreviation and its function?

- Ans**
- ☒ 1. ROM – Read Only Memory – Stores boot instructions needed when the computer is powered on
 - ☐ 2. PCB – Printed Chip Base – Transfers data from CPU to display
 - ☐ 3. CPU – Central Processing Unit – Stores user files permanently
 - ☐ 4. RAM – Read Access Memory – Runs the operating system even after power is off

Q.27 Which state's physiography is largely defined by the Indo-Gangetic Plain?

- Ans**
- ☐ 1. Rajasthan
 - ☒ 2. Uttar Pradesh
 - ☐ 3. Sikkim
 - ☐ 4. Jharkhand



Q.28 Aruna Asaf Ali is widely remembered for hoisting the Indian National flag during the Quit India Movement in 1942 at the _____.

- Ans**
- ☐ 1. Shivaji Park, Bombay
 - ☐ 2. Gandhi Maidan, Patna
 - ☐ 3. Pragati Maidan, Delhi
 - ☒ 4. Gowalia Tank Maidan, Bombay

Q.29 Which of the following tribunals deals specifically with service-related matters of public servants?

- Ans**
- ☐ 1. Income Tax Appellate Tribunal
 - ☐ 2. Armed Forces Tribunal
 - ☐ 3. National Green Tribunal
 - ☒ 4. Central Administrative Tribunal

Q.30 The ampere magnitude is determined by setting the numerical value of the elementary charge equal to _____.

- Ans**
- ☐ 1. $1.624432754 \times 10^{-17} \text{ C}$
 - ☐ 2. $1.655908436 \times 10^{-18} \text{ C}$
 - ☒ 3. $1.602176634 \times 10^{-19} \text{ C}$
 - ☐ 4. $1.611547243 \times 10^{-19} \text{ C}$

Q.31 Which sector was most affected by liberalisation in India?

- Ans**
- ☐ 1. Public Distribution
 - ☐ 2. Agriculture
 - ☒ 3. Industry and Services
 - ☐ 4. IT

Q.32 Which of the following actions will move a file to the Recycle Bin in Windows?

- Ans**
- ☐ 1. Right-click the file → Select Rename
 - ☐ 2. Press Enter on the selected file
 - ☒ 3. Right-click the file → Select Delete
 - ☐ 4. Drag the file into Taskbar

Q.33 According to the 2024 World Happiness Report, which country was ranked as the happiest?

- Ans**
- ☐ 1. Iceland
 - ☐ 2. Sweden
 - ☐ 3. Denmark
 - ☒ 4. Finland

Q.34 What does the closeness of magnetic field lines indicate about the magnetic field?

- Ans**
- ☐ 1. Direction of the electric field
 - ☐ 2. Presence of electric charge
 - ☒ 3. Relative strength of the magnetic field
 - ☐ 4. Direction of the magnetic field

Q.35 Which tribal leader led the Munda Ulgulan (rebellion) in the 1890s?

- Ans**
- ☐ 1. Tana Bhagat
 - ☐ 2. Gunda Dhur
 - ☐ 3. Tilka Manjhi
 - ☒ 4. Birsa Munda



Q.36 Arthashastra, which formed the basis of governance and administration during the Mauryan period, discussed which of the following problems of the citizens?

- Ans**
- ☐ 1. Cross-border and educational issues
 - ☒ 2. Socio-economic problems
 - ☐ 3. Ethical and morality issues of the rulers
 - ☐ 4. Geo-political problems of the kingdom

Q.37 Which private firm produced the first rear fuselage for Light Combat Aircraft Mk1A that was handed over to Hindustan Aeronautics Limited (HAL) in Bengaluru?

- Ans**
- ☐ 1. Mahindra Defence
 - ☒ 2. Alpha Tocol Engineering Services
 - ☐ 3. Larsen & Toubro
 - ☐ 4. Tata Advanced Systems

Q.38 Who was the sole representative of the Indian National Congress in the 2nd Round Table Conference of 1931?

- Ans**
- ☐ 1. Dr B R Ambedkar
 - ☐ 2. Chittaranjan Das
 - ☒ 3. Mahatma Gandhi
 - ☐ 4. Jawaharlal Nehru

Q.39 Between 1991 and 2020, India's export-import trends show:

- Ans**
- ☐ 1. Export-to-import ratio remaining at 1:1
 - ☐ 2. Trade surplus every year
 - ☒ 3. Rising imports outpacing exports and widening the trade deficit
 - ☐ 4. Continuous decline of imports

Q.40 Clear skies, rising temperatures, and moist land — conditions commonly referred to as 'October heat' — are associated with which of the following in the Indian context?

- Ans**
- ☐ 1. Cyclonic Depressions of Arabian Sea
 - ☐ 2. Monsoon Wind striking the Western Coast
 - ☐ 3. Cyclonic Depressions of Bay of Bengal
 - ☒ 4. Retreating Monsoon

Section : Mathematics

Q.1 The product of two consecutive natural numbers is 650. The greater of the two numbers is:

- Ans**
- ☐ 1. 29
 - ☐ 2. 31
 - ☐ 3. 43
 - ☒ 4. 26

Q.2 The average weight of Ram, Anwar and Amit is 45 kg. If the average weight of Ram and Anwar is 44 kg and that of Anwar and Amit is 42 kg, then the weight of Anwar (in kg) is:

- Ans**
- ☒ 1. 37
 - ☐ 2. 52
 - ☐ 3. 57
 - ☐ 4. 47



Q.3 Find the value of: $69^{-4} \div 69^{15} \times 69^{-9}$

- Ans
- ☐ 1. 69^{-23}
 - ☐ 2. 69^{-38}
 - ☐ 3. 69^{-37}
 - ☒ 4. 69^{-28}

Q.4 The price of a laptop is ₹46,000, and a trade discount of 16% is available. What will be the final amount the customer pays?

- Ans
- ☒ 1. ₹38,640
 - ☐ 2. ₹38,685
 - ☐ 3. ₹38,625
 - ☐ 4. ₹38,610

Q.5 In covering a distance of 102 km, Amit takes 8 hours more than Vinay. If Amit doubles his speed, then he would take 9 hours less than Vinay. Amit's speed is:

- Ans
- ☐ 1. 10 km/hr
 - ☒ 2. 3 km/hr
 - ☐ 3. 8 km/hr
 - ☐ 4. 11 km/hr

Q.6 Simplify: $\frac{(1 + \sin A)(\sec A - \tan A)}{\operatorname{cosec} A(1 - \cos A)(\operatorname{cosec} A + \cot A)}$

- Ans
- ☐ 1. $\tan A$
 - ☐ 2. 1
 - ☐ 3. 2
 - ☒ 4. $\cos A$

Q.7 If 2 times a mother's present age is 26 years more than 6 times her daughter's present age, and 4 times the daughter's present age is 4 years less than the mother's present age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans
- ☐ 1. 29
 - ☐ 2. 32
 - ☒ 3. 31
 - ☐ 4. 36

Q.8 The simple interest on a certain sum for $2\frac{7}{8}$ years at the rate of 2.9% per annum is ₹8,671.

What will be the amount payable on the same sum at the rate of 4.5% per annum simple interest in $4\frac{2}{5}$ years?

- Ans
- ☐ 1. ₹1,24,608
 - ☐ 2. ₹1,24,574
 - ☐ 3. ₹1,24,590
 - ☒ 4. ₹1,24,592



Q.9 Find the value of x satisfying: $3(3x^2 - 6) - 3(3x^2 + 5x - 7) = 19$

- Ans
- ☒ 1. $-\frac{13}{15}$
 - ☒ 2. $-\frac{26}{15}$
 - ☒ 3. $-\frac{16}{15}$
 - ☒ 4. $-\frac{14}{15}$

Q.10 Gopal, Hema, and Uday invest ₹1,130, ₹1,030, and ₹1,840, respectively, to start a business. If the profit at the end of the year is ₹1,800, then what is the share of Uday in the profit?

- Ans
- ☒ 1. ₹830
 - ☒ 2. ₹825
 - ☒ 3. ₹831
 - ☒ 4. ₹828

Q.11 A man makes a monthly payment equal to 36% of his monthly salary towards debt repayment. He spends 50% of the remaining salary and saves ₹704. His monthly salary (in ₹) is:

- Ans
- ☒ 1. 2,104
 - ☒ 2. 2,116
 - ☒ 3. 2,200
 - ☒ 4. 2,202

Q.12 A man driving a car at a speed of 21 km/hr crosses a bridge in 18 minutes. Find the length of the bridge.

- Ans
- ☒ 1. 4.7 km
 - ☒ 2. 15.2 km
 - ☒ 3. 6.3 km
 - ☒ 4. 2.5 km

Q.13 Find the value of: $[138 \div \{13 + 7 \times (3 - 4)\}]$.

- Ans
- ☒ 1. 23
 - ☒ 2. 18
 - ☒ 3. 20
 - ☒ 4. 27

Q.14 A can do a work in 11 days and B can do the same work in 23 days. If they work on it together for 2 days, then what fraction of the work is left?

- Ans
- ☒ 1. $\frac{193}{253}$
 - ☒ 2. $\frac{192}{253}$
 - ☒ 3. $\frac{185}{253}$
 - ☒ 4. $\frac{181}{253}$



Q.15 The LCM of the numbers 2.9 and 0.031 is:

- Ans ☒ 1. 89.9
☐ 2. 0.899
☐ 3. 8.99
☐ 4. 899

Q.16 What is the number of iron balls, each of radius 4 cm, that can be moulded out of a sphere of diameter 64 cm?

- Ans ☐ 1. 729
☐ 2. 216
☐ 3. 343
☒ 4. 512

Q.17 ₹45,800 were divided among A, B and C such that 2 times the share of A = 4 times the share of B = 7 times the share of C. Find the share of A.

- Ans ☐ 1. ₹25,582
☐ 2. ₹25,828
☒ 3. ₹25,648
☐ 4. ₹25,611

Q.18 What smallest number should be added to 19964 so that the sum is completely divisible by 76?

- Ans ☐ 1. 21
☐ 2. 25
☒ 3. 24
☐ 4. 22

Q.19 The sum of five numbers is 655. The average of the first two numbers is 80 and the third number is 106. Find the average of the remaining two numbers.

- Ans ☐ 1. 195.5
☐ 2. 186
☒ 3. 194.5
☐ 4. 187

Q.20 A shopkeeper gives two successive discounts of 20% and 10% on a shirt marked at ₹1,200. What is the final selling price?

- Ans ☐ 1. ₹880
☐ 2. ₹890
☐ 3. ₹870
☒ 4. ₹864

Q.21 Kiran can do a certain piece of work in 26 days. Kiran and Garima can together do the same work in 13 days, and Kiran, Garima and Mehak can do the same work together in 10 days. In how many days can Kiran and Mehak do the same work together?

- Ans ☐ 1. $\frac{74}{5}$
☐ 2. $\frac{64}{4}$
☒ 3. $\frac{65}{4}$
☐ 4. $\frac{60}{6}$



Q.22 If 43% of first number is equal to two-ninths of second number, what is the ratio of first number to the second number?

- Ans**
- ☐ 1. 202 : 384
 - ☐ 2. 198 : 382
 - ☒ 3. 200 : 387
 - ☐ 4. 201 : 390

Q.23 Which of the following statements is true regarding quadrilaterals?

- (i) A rhombus can be a square, but not all squares are rhombuses.
- (ii) In a trapezium, two pairs of opposite sides are equal.
- (iii) A rhombus is a special type of a parallelogram.
- (iv) Diagonals are equal in parallelograms and rhombuses.

- Ans**
- ☐ 1. iv
 - ☒ 2. iii
 - ☐ 3. ii
 - ☐ 4. i

Q.24 Sapna invested ₹22,400 on simple interest, partly at 12% per annum and partly at 8% per annum. If she earns equal interests from the two investments after 4 years, then find the sum invested at 12% per annum (in ₹).

- Ans**
- ☒ 1. 8,960
 - ☐ 2. 8,962
 - ☐ 3. 8,958
 - ☐ 4. 8,963

Q.25 A shopkeeper lists the price of a fan at 44% above its cost price and offers a 25% discount on its list price. If he earns a profit of ₹67, then what is the list price (in ₹) of the fan?

- Ans**
- ☒ 1. 1,206
 - ☐ 2. 1,441
 - ☐ 3. 1,194
 - ☐ 4. 1,457

Q.26 If the radius of the base of a right circular cylinder is decreased by 28% and its height is increased by 141%, then what is the percentage increase (closest integer) in its volume?

- Ans**
- ☐ 1. 29%
 - ☐ 2. 15%
 - ☐ 3. 17%
 - ☒ 4. 25%

Q.27 By how much is 65% of 75 greater than $\frac{3}{5}$ of 55?

- Ans**
- ☐ 1. 13.75
 - ☐ 2. 12.75
 - ☐ 3. 9.75
 - ☒ 4. 15.75

Q.28 The HCF and LCM of two numbers are 3 and 396, respectively. If one of the numbers is 132, find the other one.

- Ans**
- ☐ 1. 60
 - ☐ 2. 80
 - ☐ 3. 90
 - ☒ 4. 9



Q.29 Himanshi bought a toy for ₹743, decorated it at a cost of ₹8 and sold the toy for ₹750. Find the loss or profit percentage.

Ans

✓ 1. $\frac{100}{751}\% \text{ loss}$

✗ 2. $100\% \text{ loss}$

✗ 3. $\frac{100}{751}\% \text{ profit}$

✗ 4. $\frac{110}{751}\% \text{ profit}$

Q.30 The number 242425 is divisible by which of the following?

Ans

✗ 1. 6

✗ 2. 9

✗ 3. 13

✓ 4. 5

Section : General Intelligence and Reasoning

Q.1 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some notes are books. All books are keys.

Conclusions (I): Some notes are keys.

Conclusions (II): All keys are books.

Ans

✗ 1. Only conclusion (II) follows.

✓ 2. Only conclusion (I) follows.

✗ 3. Neither conclusion (I) nor (II) follows.

✗ 4. Both conclusions (I) and (II) follow.

Q.2 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VOH 90, SLE 83, PIB 76, MFY 69, JCV 62, ?

Ans

✗ 1. GJS 55

✗ 2. HZS 55

✓ 3. GZS 55

✗ 4. GZI 55

Q.3 Each of the digits in the number 8912346 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

Ans

✗ 1. 7

✗ 2. 6

✓ 3. 10

✗ 4. 8



Q.4 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 4376295, then which of the following digits will be third from the right in the new number thus formed?

- Ans**
- ☒ 1. 4
 - ☐ 2. 8
 - ☐ 3. 7
 - ☐ 4. 2

Q.5 What should come in place of the question mark (?) in the given series?

60 71 93 137 225 ?

- Ans**
- ☐ 1. 400
 - ☒ 2. 401
 - ☐ 3. 402
 - ☐ 4. 403

Q.6 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TVY QSV NPS KMP ?

- Ans**
- ☐ 1. HIM
 - ☒ 2. HJM
 - ☐ 3. HJN
 - ☐ 4. HIN

Q.7 A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. Only one person sits between A and L when counted from the right of A. Only one person sits between L and J. Only one person sits between A and D. Only two people sit between K and J. Only one person sits between C and D. Who sits third to the right of B?

- Ans**
- ☐ 1. A
 - ☐ 2. C
 - ☐ 3. D
 - ☒ 4. L

Q.8 In a certain code language, 'POUR' is coded as '4527' and 'UNIT' is coded as '1356'. What is the code for 'U' in that language?

- Ans**
- ☐ 1. 2
 - ☒ 2. 5
 - ☐ 3. 1
 - ☐ 4. 3

Q.9 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept above E. Only one box is kept between G and E. Only three boxes are kept between G and C. C is kept at some place above E. B is kept immediately below C. D is kept at one of the places above F. A is not kept immediately above or below G. How many boxes are kept between C and D?

- Ans**
- ☐ 1. 3
 - ☐ 2. 1
 - ☒ 3. 2
 - ☐ 4. 4



Q.10 Paras, Mani, Kajal, Kunj, Vani and Saras are sitting around a circle, facing the centre. Saras sits third to the left of Vani. Vani sits second to the right of Paras. Kunj sits second to the left of Kajal. Who sits to the immediate right of Mani?

- Ans**
- ☐ 1. Paras
 - ☐ 2. Kajal
 - ☐ 3. Vani
 - ☒ 4. Saras

Q.11 Bismil starts from Point A and drives 14 km towards South. He then takes a left turn, drives 19 km, turns left and drives 16 km. He then takes a left turn and drives 26 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 7 km to the east
 - ☐ 2. 6 km to the east
 - ☐ 3. 7 km to the west
 - ☐ 4. 6 km to the west

Q.12 In a certain code language, 'COLD' is coded as '2357' and 'LEAN' is coded as '4136'. What is the code for 'L' in that language?

- Ans**
- ☐ 1. 5
 - ☐ 2. 6
 - ☒ 3. 3
 - ☐ 4. 4

Q.13 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All oranges are bananas.
All bananas are grapes.

Conclusions:

(I): All oranges are grapes.

(II): All grapes are bananas

- Ans**
- ☐ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow .
 - ☐ 3. Only conclusion (II) follows.
 - ☒ 4. Only conclusion (I) follows.

Q.14 If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 697312458, what will be the sum of all the odd digits in the new number thus formed?

- Ans**
- ☒ 1. 24
 - ☐ 2. 20
 - ☐ 3. 18
 - ☐ 4. 26

Q.15 In a row of 49 students facing North, Anish is 17th from the right end. If Raghav is 12th to the left of Anish, what is Raghav's position from the left-end of the line?

- Ans**
- ☐ 1. 20th
 - ☐ 2. 22nd
 - ☒ 3. 21st
 - ☐ 4. 23rd



Q.16 Select the number from among the given options that can replace the question mark (?) in the following series.
180 159 135 108 78 ?

- Ans**
- ☐ 1. 54
 - ☐ 2. 35
 - ☒ 3. 45
 - ☐ 4. 32

Q.17 Namit ranked 13th from the bottom and 19th from the top in his class. How many students are there in his class?

- Ans**
- ☒ 1. 31
 - ☐ 2. 33
 - ☐ 3. 30
 - ☐ 4. 32

Q.18 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 76391452, how many digits will appear more than once in the new number thus formed?

- Ans**
- ☐ 1. One
 - ☐ 2. Four
 - ☒ 3. Three
 - ☐ 4. Two

Q.19 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

21, 124
18, 106

- Ans**
- ☐ 1. 9, 56
 - ☐ 2. 6, 36
 - ☐ 3. 15, 86
 - ☒ 4. 13, 76

Q.20 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. AV – HK
 - ☒ 2. HC – QR
 - ☐ 3. JE – QT
 - ☐ 4. VQ – CF

Q.21 A is the son of K. K is the father of P. P is the sister of D. D is the mother of M. M is the son of R. R is the son of B. How is A related to M?

- Ans**
- ☒ 1. Mother's brother
 - ☐ 2. Father's brother
 - ☐ 3. Mother's father
 - ☐ 4. Father's father



Q.22 What should come in place of the question mark (?) in the given series?

44 39 29 14 -6 ?

- Ans**
- ☒ 1. -31
 - ☐ 2. -35
 - ☐ 3. -34
 - ☐ 4. -32

Q.23 This question is based on the five, three-digit numbers given below.
(Left) 452 561 514 232 294 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the first digit of the highest number is added to the third digit of the lowest number?

- Ans**
- ☐ 1. 6
 - ☐ 2. 4
 - ☐ 3. 14
 - ☒ 4. 7

Q.24 Anil starts from Point Y and drives 12 km towards the south. He then takes a right turn and drives 36 km, then turns left and drives 33 km. He then takes a left turn and drives 17 km. He takes a left turn and drives 21 km. He then turns right and drives 19 km, then turns right and drives 13 km to stop at Point Z. How far (shortest distance) and in which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ 1. 42 km towards the north
 - ☐ 2. 39 km towards the south
 - ☐ 3. 41 km towards the south
 - ☒ 4. 37 km towards the north

Q.25 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. BG-UZ
 - ☐ 2. KP-DI
 - ☒ 3. PU-IM
 - ☐ 4. XC-QV

Q.26 VELG is related to ZZPB in a certain way based on the English alphabetical order. In the same way, DUTW is related to HPXR. To which of the given options is LKBM related, following the same logic?

- Ans**
- ☐ 1. REEG
 - ☒ 2. PFFH
 - ☐ 3. QDEH
 - ☐ 4. OEFG

Q.27 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

MINT - ITNM - TNIM
PLUS - LSUP - SULP

- Ans**
- ☐ 1. WANT - AWNT - TANW
 - ☒ 2. COIL - OLIC - LIOC
 - ☐ 3. REST - RSET - TSER
 - ☐ 4. TOWN - OTWN - NOWT



Q.28 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

LXK : PVH
BPY : FNV

- Ans**
- ☒ 1. LBO : PGS
 - ☒ 2. LHC : PEG
 - ☒ 3. PNW : TKA
 - ☒ 4. TTE : XRB

Q.29 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit. Counting to be done from left to right only.

(Left) Ω 2 % 8 & £ 4 * 5 9 ? 6 \$ 1 3 # 7 @ (Right)

If all the symbols are dropped from the series, which of the following will be sixth from the right end?

- Ans**
- ☒ 1. 5
 - ☒ 2. 8
 - ☒ 3. 4
 - ☒ 4. 9

Q.30 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. ZC - WX
 - ☒ 2. KL - HG
 - ☒ 3. TJ - QE
 - ☒ 4. OD - KY





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	08/09/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 निम्नलिखित में से कौन-सा, मुंडा विद्रोह के दौरान बिरसा मुंडा द्वारा मुंडा आदिवासी समुदाय को सुझाया गया सुधार नहीं है?

- Ans
- ☒ 1. शराब पीना छोड़ देना
 - ☒ 2. अपनी भूमि पर खेती करना
 - ☒ 3. अतीत में जीना छोड़ देना
 - ☒ 4. जादू-टोने एवं जंतर-मंतर में विश्वास न करना

Q.2 केन्द्रीय सेवा अधिकारियों का प्रशासनिक अधिकार-क्षेत्र क्या है?

- Ans
- ☒ 1. केवल केंद्र सरकार के लिए
 - ☒ 2. संघ और राज्य दोनों
 - ☒ 3. निर्वाचित संवैधानिक प्राधिकारी
 - ☒ 4. राज्य और केंद्र के बीच संयुक्त

Q.3 स्वदेशी आंदोलन के संबंध में निम्नलिखित में से कौन-सा कथन गलत है?

- Ans
- ☒ 1. देश के विभिन्न भागों में मजदूरों ने हड़तालें कीं।
 - ☒ 2. उच्च वर्ग के मुसलमानों का व्यापक समर्थन प्राप्त हुआ।
 - ☒ 3. अधिक संख्या में विद्यार्थियों ने भाग लिया।
 - ☒ 4. अधिक संख्या में महिलाओं ने भाग लिया।

Q.4 नवीन एवं नवीकरणीय ऊर्जा मंत्रालय के आंकड़ों के अनुसार, 13 नवंबर 2024 तक किस राज्य के पास सर्वाधिक अधिष्ठापित नवीकरणीय ऊर्जा क्षमता थी?

- Ans
- ☒ 1. तमिलनाडु
 - ☒ 2. उत्तर प्रदेश
 - ☒ 3. राजस्थान
 - ☒ 4. कर्नाटक

Q.5 अंग्रेजों की निर्यात-आधारित रणनीति ने घरेलू अर्थव्यवस्था को नुकसान पहुंचाया। निर्यात-उन्मुख नीतियों का भारतीय खाद्य सुरक्षा पर क्या प्रभाव पड़ा?

- Ans
- ☒ 1. खाद्य की कमी हुई और अकाल पड़ी
 - ☒ 2. अनाज का भंडारण बढ़ा
 - ☒ 3. खाद्य कीमतों में कमी हुई
 - ☒ 4. खाद्य उपलब्धता में सुधार हुआ



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Q.6 पंचायतों में महिलाओं की न्यूनतम _____ सीटें सुनिश्चित की गई हैं।

- Ans
- ☒ 1. 40%
 - ☒ 2. 33%
 - ☒ 3. 50%
 - ☒ 4. 25%

Q.7 भारत-चिली संयुक्त वक्तव्य (अप्रैल 2025) में अपने PTA को व्यापक _____ में अपग्रेड करने की दिशा में वार्ता की घोषणा की गई।

- Ans
- ☒ 1. मुद्रा संघ
 - ☒ 2. आर्थिक भागीदारी समझौते
 - ☒ 3. मुक्त व्यापार समझौते
 - ☒ 4. नाफ्टा (NAFTA)-स्टाइल गुट

Q.8 वैश्वीकरण के कारण प्रौद्योगिकी का सीमा-पार प्रवाह (cross-border flows) बढ़ा है। वैश्वीकरण के अंतर्गत कौन-सी नीति प्रौद्योगिकी हस्तांतरण को प्रोत्साहित करती है?

- Ans
- ☒ 1. FDI के लिए स्वचालित रूट (Automatic route for FDI)
 - ☒ 2. राष्ट्रीयकरण (Nationalisation)
 - ☒ 3. आयात प्रतिस्थापन नीति (Import substitution policy)
 - ☒ 4. लाइसेंसिंग राज (Licensing raj)

Q.9 भीमबेटका के शैलाश्रय भारत के निम्नलिखित में से किस राज्य में स्थित हैं?

- Ans
- ☒ 1. मध्य प्रदेश
 - ☒ 2. हरियाणा
 - ☒ 3. बिहार
 - ☒ 4. ओडिशा

Q.10 फ़ाइलों और फ़ोल्डरों को व्यवस्थित करना क्यों महत्वपूर्ण है?

- Ans
- ☒ 1. न्यू सॉफ़्टवेयर इंस्टॉल करने के लिए
 - ☒ 2. डेस्कटॉप को साफ़ रखने के लिए
 - ☒ 3. कंप्यूटर को तेज़ी से चलाने के लिए
 - ☒ 4. फ़ाइलों को आसानी से ढूँढ़ने और उन तक पहुँचने के लिए

Q.11 अर्थशास्त्र में वर्णित मौर्यकालीन नगर प्रशासन के प्रशासनिक प्रमुख को, किस नाम से संबोधित किया जाता था?

- Ans
- ☒ 1. स्थानिक
 - ☒ 2. प्रादेशिक
 - ☒ 3. नागरिक
 - ☒ 4. गोप

Q.12 केंद्रीय आयुष मंत्री द्वारा 2025 में लॉन्च किए गए 'आयुष सुरक्षा' पोर्टल का प्राथमिक उद्देश्य क्या है?

- Ans
- ☒ 1. वैश्विक पहुँच के माध्यम से आयुर्वेदिक औषधियों के निर्यात को बढ़ावा देना
 - ☒ 2. रियल-टाइम में भ्रामक विज्ञापनों एवं प्रतिकूल औषधि प्रतिक्रियाओं को मॉनिटर करना
 - ☒ 3. पारंपरिक उपचारकों को प्रमाणित करना तथा उपचार प्रोटोकॉल को मानकीकृत करना
 - ☒ 4. डिजिटल इंटरफ़ेस के माध्यम से आयुष दवाओं के आयात को ट्रैक करना

Q.13 राज्य के नीति निर्देशक सिद्धांतों का लक्ष्य निम्नलिखित में से क्या है?

- Ans
- ☒ 1. संवैधानिक उपचारों का अधिकार
 - ☒ 2. गिरफ्तारी के विरुद्ध अभिरक्षा
 - ☒ 3. अंतर्राष्ट्रीय शांति और सुरक्षा को बढ़ावा देना
 - ☒ 4. भाषण की स्वतंत्रता



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Q.14 मई 2025 में, DRDO ने किस हाइपरसोनिक तकनीक कंपोनेंट का दीर्घकालिक ग्राउंड टेस्ट करके एक महत्वपूर्ण उपलब्धि हासिल की?

- Ans
- ☐ 1. हाइपरलूप मॉड्यूल (Hyperloop Module)
 - ☐ 2. सुपरसोनिक कम्बस्टर (Supersonic Combustor)
 - ☐ 3. रैमजेट प्रोपल्शन सिस्टम (Ramjet Propulsion System)
 - ☒ 4. स्कैमजेट सबस्केल कम्बस्टर (Scramjet Subscale Combustor)

Q.15 लेंज़ के नियम के अनुसार, प्रेरित धारा की दिशा इस प्रकार होती है कि _____।

- Ans
- ☐ 1. यह चुंबकीय प्रवाह में परिवर्तन में सहायता करता है
 - ☒ 2. यह चुंबकीय प्रवाह में परिवर्तन का प्रतिरोध करता है
 - ☐ 3. यह प्रयुक्त चुंबकीय क्षेत्र को प्रबल करता है
 - ☐ 4. यह चुंबकीय क्षेत्र को पूरी तरह से बेअसर कर देता है

Q.16 1 मई 2025 तक की स्थिति के अनुसार, निम्नलिखित में से कौन 16वें वित्त आयोग का पूर्णकालिक सदस्य नहीं है?

- Ans
- ☐ 1. एनी जॉर्ज मैथ्यू
 - ☐ 2. अजय नारायण झा
 - ☐ 3. डॉ. मनोज पांडा
 - ☒ 4. डॉ. सौम्य कांति घोष

Q.17 भारत के पूर्वी तट पर स्थित कौन-सी झील एक महत्वपूर्ण भौगोलिक संरचना है?

- Ans
- ☒ 1. चिल्का झील
 - ☐ 2. वेम्बनाड झील
 - ☐ 3. डल झील
 - ☐ 4. वुलर झील

Q.18 राजनयिक तनाव और सैन्य तख्तापलट के बाद वर्ष 2025 में ECOWAS से किन तीन देशों की सदस्यता समाप्ति को आधिकारिक मान्यता दी गई?

- Ans
- ☐ 1. नाइजीरिया, घाना और टोगो
 - ☐ 2. सेनेगल, गिनी और सिएरा लियोन
 - ☐ 3. लाइबेरिया, कोट डी आइवर और बेनिन
 - ☒ 4. माली, बुर्किना फासो और नाइजर

Q.19 वैश्वीकरण ने भारत के निर्यात में किस प्रकार सहायता की है?

- Ans
- ☐ 1. कोई बदलाव ना करके
 - ☐ 2. इसमें में कमी करके
 - ☐ 3. इस पर प्रतिबंध लगाके
 - ☒ 4. अन्य देशों का निर्यात बढ़ाके

Q.20 जनगणना के आंकड़ों के अनुसार, 2011 में भारत के किस केंद्र शासित प्रदेश में सबसे अधिक जनसंख्या घनत्व दर्ज किया गया?

- Ans
- ☐ 1. पुडुचेरी
 - ☒ 2. दिल्ली
 - ☐ 3. चंडीगढ़
 - ☐ 4. लक्षद्वीप



Q.21 मध्य भारत का कौन-सा शहर रक्त कैंसर रोगियों के लिए CAR T-सेल थेरेपी प्रदान करने वाला पहला शहर बन गया, जो मई 2025 में सुलभ कैंसर उपचार में एक महत्वपूर्ण प्रगति को दर्शाता है?

- Ans
- ☐ 1. इंदौर
 - ☐ 2. रायपुर
 - ☒ 3. नागपुर
 - ☐ 4. भोपाल

Q.22 कौन-सा बृहद् अणु, पौधों में ऊर्जा भंडारण के लिए मुख्य रूप से जिम्मेदार है?

- Ans
- ☒ 1. स्टार्च
 - ☐ 2. न्यूक्लिक अम्ल
 - ☐ 3. प्रोटीन
 - ☐ 4. विटामिन

Q.23 शीतोष्ण चक्रवात प्रायः कहाँ आते हैं?

- Ans
- ☐ 1. अति उच्च-ऊँचाई वाले मरुस्थलों में
 - ☐ 2. भूमध्यरेखीय बेल्ट के निकट
 - ☐ 3. उष्णकटिबंधीय निम्न-दाब क्षेत्रों में
 - ☒ 4. मध्य-अक्षांश क्षेत्रों में

Q.24 एमएस विंडोज में किसी फ़ाइल या फ़ोल्डर को रीनेम करते समय, यदि कोई यूजर फ़ाइल एक्सटेंशन (जैसे .txt से .doc में) चेंज करता है, तो क्या होता है?

- Ans
- ☐ 1. फ़ाइल अब ओपन नहीं होगी या एक्सेस नहीं की जा सकेगी।
 - ☐ 2. फ़ाइल का फॉर्मेट नए एक्सटेंशन से मैच होने के लिए स्वचालित रूप से चेंज हो जाता है।
 - ☒ 3. एक्सटेंशन में परिवर्तन की पुष्टि करने के लिए एक वार्निंग डिस्प्ले की जाती है।
 - ☐ 4. फ़ाइल को किसी दूसरे प्रोग्राम के फ़ाइल फॉर्मेट में बदल दिया जाता है।

Q.25 निम्नलिखित में से कौन-सा, भारत के मुख्य अवसंरचना क्षेत्रों (आठ मुख्य उद्योगों के सूचकांक के अनुसार) का घटक नहीं है?

- Ans
- ☐ 1. इस्पात
 - ☐ 2. विद्युत
 - ☐ 3. सीमेंट
 - ☒ 4. दूरसंचार

Q.26 निम्नलिखित में से किस अधिनियम ने भारत में औपनिवेशिक काल के दौरान प्रांतीय स्तर पर द्वैध शासन को समाप्त कर दिया?

- Ans
- ☐ 1. भारतीय परिषद अधिनियम, 1909
 - ☐ 2. 1853 का चार्टर अधिनियम
 - ☒ 3. भारत सरकार अधिनियम, 1935
 - ☐ 4. भारत सरकार अधिनियम, 1919

Q.27 क्रिया और प्रतिक्रिया बलों के संबंध में निम्नलिखित में से कौन-सा कथन सही है?

- Ans
- ☐ 1. क्रिया और प्रतिक्रिया बल एक ही निकाय पर कार्य करते हैं और एक दूसरे को निरस्त कर देते हैं।
 - ☒ 2. क्रिया और प्रतिक्रिया बल समान, विपरीत होते हैं तथा भिन्न-भिन्न निकायों पर कार्य करते हैं।
 - ☐ 3. क्रिया सदैव परिमाण में प्रतिक्रिया से बड़ी होती है।
 - ☐ 4. किसी निकाय के विभिन्न भागों के बीच आंतरिक क्रिया और प्रतिक्रिया बल निरस्त नहीं होते हैं।

Q.28 2025 में आंध्र प्रदेश राज्य में किस राजनीतिक दल ने सरकार बनाई?

- Ans
- ☒ 1. तेलुगु देशम पार्टी (TDP)
 - ☐ 2. भारतीय राष्ट्रीय कांग्रेस
 - ☐ 3. भारतीय जनता पार्टी
 - ☐ 4. YSR कांग्रेस पार्टी



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Q.29 चीन द्वारा 2025 में स्थापित अंतर्राष्ट्रीय मध्यस्थता संगठन (IOMed) का प्राथमिक उद्देश्य क्या है?

- Ans
- ☐ 1. अंतर्राष्ट्रीय व्यापार समझौतों को लागू करने के लिए एक मंच प्रदान करना
 - ☐ 2. सैन्य शांति अभियानों के संचालन के लिए एक मंच प्रदान करना
 - ☐ 3. संयुक्त राष्ट्र सुरक्षा परिषद को प्रतिस्थापित करना
 - ☒ 4. मध्यस्थता के माध्यम से विवाद के शांतिपूर्ण समाधान हेतु एक मंच प्रदान करना

Q.30 मई 2025 में शंघाई, चीन में आर्चरी वर्ल्ड कप स्टेज 2 में एक व्यक्तिगत स्वर्ण पदक सहित तीन पदक निम्नलिखित में से किस महिला खिलाड़ी ने जीते?

- Ans
- ☐ 1. चिकिथा तनिपर्थी
 - ☒ 2. मधुरा धामणगांवकर
 - ☐ 3. ज्योति सुरेखा वेन्नम
 - ☐ 4. दीपिका कुमारी

Q.31 प्रायद्वीपीय पठार को भूगर्भीय दृष्टि (geologically) से स्थिर क्यों माना जाता है?

- Ans
- ☒ 1. यह निम्न भूकंपी सक्रियता वाले एक प्राचीन शील्ड क्षेत्र पर स्थित है।
 - ☐ 2. यह बारंबार प्लेट संघट्ट क्षेत्र में स्थित है।
 - ☐ 3. यह सक्रिय भ्रंशों के साथ एक युवा वलित पर्वत प्रणाली का हिस्सा है।
 - ☐ 4. यह हाल ही में हुए ज्वालामुखी उद्गारों और भूकंपों से बना है।

Q.32 निम्नलिखित में से कौन-सी वित्तीय शक्तियां, राज्य के राज्यपाल में निहित नहीं हैं?

- Ans
- ☐ 1. धन विधेयकों को स्वीकृति देना
 - ☐ 2. राज्य आकस्मिकता निधि का व्यवस्थापन करना
 - ☐ 3. विधानमंडल में राज्य का बजट प्रस्तुत करना
 - ☒ 4. स्वतंत्र रूप से कर अनुमोदित करना

Q.33 जैविक आपदाएं मुख्यतः _____ के कारण होती हैं।

- Ans
- ☐ 1. जलवायु परिवर्तन
 - ☒ 2. संक्रामक रोगों और महामारियों
 - ☐ 3. आग और धुएं
 - ☐ 4. भूकंप और ज्वालामुखी उद्गारों

Q.34 मई 2025 में, मोनाको ग्रैंड प्रिक्स में फॉर्मूला 2 रेस में जीत हासिल करने वाले पहले भारतीय ड्राइवर निम्नलिखित में से कौन थे?

- Ans
- ☐ 1. जेहान दारूवाला
 - ☐ 2. अर्जुन मैनी
 - ☐ 3. करुण चंडोक
 - ☒ 4. कुश मैनी

Q.35 किस मंत्रालय ने 14 जून 2025 को भारत मंडपम, नई दिल्ली में 'संस्थागत मध्यस्थता: विवाद समाधान के लिए एक प्रभावी ढाँचा' पर राष्ट्रीय सम्मेलन का आयोजन किया?

- Ans
- ☐ 1. विदेश मंत्रालय
 - ☐ 2. गृह मंत्रालय
 - ☒ 3. विधि एवं न्याय मंत्रालय
 - ☐ 4. रक्षा मंत्रालय

Q.36 संविधान के किस अनुच्छेद के तहत भारत के नियंत्रक एवं महालेखा परीक्षक (CAG) की नियुक्ति की जाती है?

- Ans
- ☐ 1. अनुच्छेद 324
 - ☒ 2. अनुच्छेद 148
 - ☐ 3. अनुच्छेद 280
 - ☐ 4. अनुच्छेद 76



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Q.37 मई 2025 में किस भारतीय संस्थान ने प्रतिसूक्ष्मजीवी प्रतिरोध का मुकाबला करने के उद्देश्य से AI उपकरण विकसित करने के लिए इत्रिया सैकले (INRIA Saclay) के साथ सहयोग किया?

- Ans
- ☐ 1. IISc बैंगलोर
 - ☒ 2. IIT-दिल्ली
 - ☐ 3. IIT बॉम्बे
 - ☐ 4. IIT मद्रास

Q.38 जनवरी 2025 में खेलों में उत्कृष्ट प्रदर्शन के लिए कितने खिलाड़ियों को अर्जुन पुरस्कार (लाइफटाईम) से सम्मानित किया गया?

- Ans
- ☐ 1. 3
 - ☐ 2. 5
 - ☒ 3. 2
 - ☐ 4. 4

Q.39 जनवरी 2025 तक की स्थिति के अनुसार, भारत सरकार द्वारा कितनी भारतीय भाषाओं को आधिकारिक तौर पर शास्त्रीय भाषाओं के रूप में मान्यता प्रदान की गई है?

- Ans
- ☐ 1. 7
 - ☒ 2. 11
 - ☐ 3. 5
 - ☐ 4. 9

Q.40 2025 में किस तिथि को विश्व स्वास्थ्य दिवस मनाया गया था, जिसमें "स्वस्थ शुरुआत, आशापूर्ण भविष्य" नामक अभियान का सूत्रपात हुआ?

- Ans
- ☐ 1. 10 अप्रैल 2025
 - ☒ 2. 7 अप्रैल 2025
 - ☐ 3. 12 अप्रैल 2025
 - ☐ 4. 5 अप्रैल 2025

Section : Mathematics

Q.1 Which of the following numbers is divisible by 14?

- Ans
- ☐ 1. 67,94,266
 - ☐ 2. 71,32,960
 - ☐ 3. 64,36,639
 - ☒ 4. 70,48,048

Q.2 Train A leaves station M at 8:20 AM and reaches station N at 3:20 PM on the same day. Train B leaves station N at 10:20 AM and reaches station M at 3:20 PM on the same day. Find the time when trains A and B meet.

- Ans
- ☐ 1. 12:35 PM
 - ☐ 2. 12:15 PM
 - ☐ 3. 12:05 PM
 - ☒ 4. 12:25 PM

Q.3 If the marked price of a calculator is ₹600 and ₹50 discount is offered on the calculator, then find the discount percentage (correct to two decimal places).

- Ans
- ☐ 1. 9.53%
 - ☐ 2. 10.33%
 - ☒ 3. 8.33%
 - ☐ 4. 7.53%



Q.4 Anubhav and Gaurav start a business. Anubhav invests ₹37,000 more than Gaurav for 3 months and Gaurav invests for 4 months. Anubhav's share is ₹1,745 more than that of Gaurav, out of a total profit of ₹8,725. Find the capital contributed by Anubhav.

- Ans
- ☐ 1. ₹74,002
 - ☐ 2. ₹74,122
 - ☒ 3. ₹74,000
 - ☐ 4. ₹73,800

Q.5 A, B and C started a business investing ₹2,410, ₹1,170 and ₹700, respectively. If B's share in the profit earned by them is ₹1,092. what is the difference in the profit (in ₹) earned by A and C?

- Ans
- ☐ 1. ₹1,597
 - ☐ 2. ₹1,593
 - ☐ 3. ₹1,595
 - ☒ 4. ₹1,596

Q.6 Find the value of $[592 \div \{12 + 2 \times (3 - 7)\}]$.

- Ans
- ☐ 1. 147
 - ☐ 2. 145
 - ☒ 3. 148
 - ☐ 4. 152

Q.7 The marks scored by 10 students are given below.

12, 14, 16, 13, 15, 14, 16, 10, 16, 12

The mode of the data is:

- Ans
- ☐ 1. 13
 - ☐ 2. 12
 - ☒ 3. 16
 - ☐ 4. 14

Q.8 A bus travelling at 28 km/hr completes a journey in 20 hours. What should its speed be to cover the same distance in 14 hours?

- Ans
- ☐ 1. 39 km/hr
 - ☒ 2. 40 km/hr
 - ☐ 3. 50 km/hr
 - ☐ 4. 34 km/hr

Q.9 In an election between two candidates, 95% of the registered voters cast their vote and 20% of the votes polled were found invalid. The winning candidate got 59% of the valid votes and won the election by a margin of 1881 votes. How many voters were registered?

- Ans
- ☐ 1. 13751
 - ☒ 2. 13750
 - ☐ 3. 13749
 - ☐ 4. 13747

Q.10 By selling an article at $\frac{5}{11}$ of its actual selling price, Hitesh incurs a loss of 15%.

If he sells it at 90% of its actual selling price, then the profit percentage is:

- Ans
- ☐ 1. 67.4%
 - ☒ 2. 68.3%
 - ☐ 3. 69.8%
 - ☐ 4. 66.6%



Q.11 The LCM of the numbers 2.1 and 0.35 is:

- Ans**
- ☐ 1. 0.021
 - ☐ 2. 21
 - ☐ 3. 0.21
 - ☒ 4. 2.1

Q.12 The H.C.F. and the L.C.M. of two numbers are 25 and 250 respectively. If one of the numbers is 50, find the other one.

- Ans**
- ☐ 1. 175
 - ☐ 2. 150
 - ☐ 3. 75
 - ☒ 4. 125

Q.13 ABCD is a quadrilateral with $\angle A = 3(x + 2)^\circ$, $\angle B = 2(2x - 7)^\circ$, $\angle C = 69^\circ$ and $\angle D = \angle C - 8^\circ$. What is the value of $\angle B$?

- Ans**
- ☐ 1. 128°
 - ☐ 2. 183°
 - ☒ 3. 122°
 - ☐ 4. 153°

Q.14 A shopkeeper marks a product 40% above the cost price. He offers a discount of 20% on the marked price and sells it. What is his gain or loss percentage?

- Ans**
- ☒ 1. 12% gain
 - ☐ 2. 15% gain
 - ☐ 3. 8% loss
 - ☐ 4. 10% loss

Q.15 The average of first 153 odd natural numbers, is:

- Ans**
- ☒ 1. 153
 - ☐ 2. 154
 - ☐ 3. 152.5
 - ☐ 4. 153.5

Q.16 If 2 times the age of Ram is 30 years more than 4 times the age of Ramya, and 5 times the age of Ramya is 6 year less than the age of Ram, then what is the difference (in years) between the ages of Ram and Ramya?

- Ans**
- ☐ 1. 17
 - ☒ 2. 18
 - ☐ 3. 15
 - ☐ 4. 13

Q.17 Find the total surface area of a cuboidal box whose length is 84 cm, breadth is 45 cm and height is 25 cm.

- Ans**
- ☐ 1. $14,250 \text{ cm}^2$
 - ☒ 2. $14,010 \text{ cm}^2$
 - ☐ 3. $14,120 \text{ cm}^2$
 - ☐ 4. $14,380 \text{ cm}^2$



Q.18 Pipe A can fill a tank in 12 hours, pipe B can fill the same tank in 21 hours and pipe C can fill the same tank in 16 hours. The time taken by them to fill the same tank if they operate together is::

Ans

☐ 1. $1\frac{11}{65}$ hours

☐ 2. $11\frac{11}{65}$ hours

☒ 3. $5\frac{11}{65}$ hours

☐ 4. $2\frac{11}{65}$ hours

Q.19 The cost of 7 pens and 13 pencils is ₹128. If the cost of a pen decreases by ₹7 and the cost of a pencil increases by ₹2, then the cost of 14 pens and 10 pencils is ₹98. What is the original cost of 9 pens and 7 pencils?

Ans

☐ 1. ₹117

☐ 2. ₹112

☐ 3. ₹111

☒ 4. ₹116

Q.20 By selling 6 tablets for a rupee, a man loses 35%. To gain 30% how many must he sell for a rupee?

Ans

☒ 1. 3

☐ 2. 2

☐ 3. 4

☐ 4. 5

Q.21 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 7 months.

Ans

☐ 1. ₹336

☒ 2. ₹28

☐ 3. ₹56

☐ 4. ₹48

Q.22 The perimeter of a square is 52 m. Its area (in m²) is:

Ans

☐ 1. 172

☐ 2. 168

☒ 3. 169

☐ 4. 180

Q.23 4 men can complete a piece of work in 18 days, while 9 women can do it in 8 days. In how many days can 3 women and 3 men complete this work?

Ans

☐ 1. 17 days

☐ 2. 11 days

☒ 3. 12 days

☐ 4. 16 days



Q.24 Find the value of: $66^{-5} \div 66^{11} \times 66^{-12}$

- Ans
- ☐ 1. 66^{-27}
 - ☐ 2. 66^{-34}
 - ☒ 3. 66^{-28}
 - ☐ 4. 66^{-25}

Q.25

Simplify: $3 \left(\left(\frac{7}{3} \right) x^2 - 28x + 14 \right) - 7(x^2 + 4x - 14)$

- Ans
- ☐ 1. $112x + 140$
 - ☐ 2. $-112x - 140$
 - ☐ 3. $112x - 140$
 - ☒ 4. $-112x + 140$

Q.26

Simplify: $\sqrt{\frac{(1 + \cos A)}{(1 - \cos A)}}$

- Ans
- ☐ 1. $\operatorname{cosec} A + \tan A$
 - ☐ 2. $\cos A + \cot A$
 - ☐ 3. $\sin A + \tan A$
 - ☒ 4. $\operatorname{cosec} A + \cot A$

Q.27 Find the mean proportional between 25 and 36.

- Ans
- ☐ 1. 33
 - ☒ 2. 30
 - ☐ 3. 27
 - ☐ 4. 32

Q.28 Find the simple interest (in ₹) on ₹4,000 at 7.5% per annum rate of interest deposited on 10 February 2024 and withdrawn on 11 April 2024.

- Ans
- ☐ 1. 51
 - ☐ 2. 48
 - ☐ 3. 49
 - ☒ 4. 50

Q.29 A number, when decreased by 7%, gives 2790. The number is:

- Ans
- ☒ 1. 3000
 - ☐ 2. 1500
 - ☐ 3. 9000
 - ☐ 4. 6000

Q.30 The number of prime numbers lying between 472 and 486, both included, is:

- Ans
- ☒ 1. 1
 - ☐ 2. 6
 - ☐ 3. 5
 - ☐ 4. 2



Q.1 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All horses are cats.
No horse is a lion.

Conclusions:

(I): Some lions are cats.

(II): All cats are lions.

- Ans**
- ☒ 1. Only conclusion (I) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☒ 3. Both conclusions (I) and (II) follow.
 - ☒ 4. Neither conclusion (I) nor (II) follows.

Q.2 In a row of people all facing north, Pranali is 21st from the left end and Anuj is 23rd from the left end. Anuj is exactly between Pranali and Harish. If Harish is 8th from the right end of the row, how many people are there in the row?

- Ans**
- ☒ 1. 31
 - ☒ 2. 32
 - ☒ 3. 33
 - ☒ 4. 30

Q.3 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. OVP
 - ☒ 2. LSM
 - ☒ 3. IPJ
 - ☒ 4. RYT

Q.4 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

CKS 11, ZHP 23, WEM 47, TBJ 95, QYG 191, ?

- Ans**
- ☒ 1. NVD 383
 - ☒ 2. NOD 383
 - ☒ 3. DND 383
 - ☒ 4. NVD 381

Q.5 What should come in place of the question mark (?) in the given series?

58 , 64 , 73 , 85 , 100 , ?

- Ans**
- ☒ 1. 121
 - ☒ 2. 118
 - ☒ 3. 119
 - ☒ 4. 120

Q.6 Each of the digits in the number 31246978 is arranged in descending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- Ans**
- ☒ 1. Two
 - ☒ 2. None
 - ☒ 3. Three
 - ☒ 4. One



Q.7 एक निश्चित कूट भाषा में,
A \$ B का अर्थ है कि 'A, B का पुत्र है'
A + B का अर्थ है कि 'A, B का भाई है'
A @ B का अर्थ है कि 'A, B की पत्नी है'
A ÷ B का अर्थ है कि 'A, B का पिता है'
उपरोक्त के आधार पर, यदि 'E + F \$ G @ M ÷ N' है, तो E का N से क्या संबंध है?

Ans ☒ 1. पुत्र
☒ 2. पति
☒ 3. पिता
☒ 4. भाई

Q.8 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

IQA 15 GMB 8 EIC -1 CED -12 ?

Ans ☒ 1. BCE -54
☒ 2. DNE -45
☒ 3. AAE -25
☒ 4. BAE -33

Q.9 छह मित्र J, K, L, T, U और V एक गोल मेज के परितः उसके केंद्र की ओर मुंह करके बैठे हैं। V, L के दाएं दूसरे स्थान पर बैठा है, जो U के दाएं दूसरे स्थान पर है। J, U के दाएं ठीक पड़ोस में बैठा है। T, K के बाएं दूसरे स्थान पर बैठा है। T के बाएं गिनने पर T और U के बीच कितने व्यक्ति बैठे हैं?

Ans ☒ 1. दो
☒ 2. एक भी नहीं
☒ 3. एक
☒ 4. तीन

Q.10 MERIT is related to RJWNY in a certain way based on the English alphabetical order. In the same way, DRAWN is related to IWFBS. To which of the given options is SHAPE related, following the same logic?

Ans ☒ 1. WLETI
☒ 2. XMFUJ
☒ 3. YNGVK
☒ 4. YMETK

Q.11 Seven boxes U, V, W, X, E, F and G are kept one over the other but not necessarily in the same order.
Only V is kept above E. Only W is kept between E and U. Only F is kept below X. How many boxes are kept between G and F?

Ans ☒ 1. Two
☒ 2. Four
☒ 3. One
☒ 4. Three

Q.12 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans ☒ 1. GK - QI
☒ 2. MQ - WN
☒ 3. IM - SJ
☒ 4. KO - UL



Q.13 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(32, 64, 54)
(23, 46, 36)

- Ans**
- ☒ 1. (21, 42, 52)
 - ☒ 2. (29, 58, 48)
 - ☒ 3. (18, 36, 16)
 - ☒ 4. (25, 40, 30)

Q.14 AJLR is related to XHIP in a certain way based on the English alphabetical order. In the same way, OBZJ is related to LZWH. To which of the given options is FVQD related, following the same logic?

- Ans**
- ☒ 1. CBNT
 - ☒ 2. CTBN
 - ☒ 3. CTNB
 - ☒ 4. CBTY

Q.15 Kishan starts from Point A and drives 15 km towards East. He then takes a right turn, drives 9 km, turns right and drives 8 km. He then takes a left turn and drives 6 km. He takes a final right turn, drives 7 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 15 km towards South
 - ☒ 2. 18 km towards East
 - ☒ 3. 18 km towards North
 - ☒ 4. 15 km towards North

Q.16 This question is based on the five, three-digit numbers given below.

(Left) 564 782 368 225 743 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

- Ans**
- ☒ 1. Three
 - ☒ 2. Two
 - ☒ 3. None
 - ☒ 4. One

Q.17 In a certain code language, 'PANK' is coded as '1846' and 'KINA' is coded as '1689'. What is the code for 'I' in the given code language?

- Ans**
- ☒ 1. 9
 - ☒ 2. 1
 - ☒ 3. 8
 - ☒ 4. 6



Q.18 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) © 7 # 6 \$ 6 4 7 & % 4 % 2 7 € 6 5 8 * \$ 4 4 (Right)

How many such numbers are there each of which is immediately preceded by a number and also immediately followed by a symbol?

- Ans
- ☐ 1. 5
 - ☐ 2. 2
 - ☒ 3. 3
 - ☐ 4. 4

Q.19 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$4 - 5 \div 40 \times 4 + 23 = ?$$

- Ans
- ☐ 1. 19
 - ☒ 2. 7
 - ☐ 3. 2
 - ☐ 4. 13

Q.20 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$35 \times 5 \div 7 - 11 + 8 = ?$$

- Ans
- ☐ 1. 53
 - ☒ 2. 52
 - ☐ 3. 51
 - ☐ 4. 50

Q.21 H, I, J, P, Q, R and S are sitting around a circular table facing the centre of the table. Only one person sits between H and Q when counted from the left of Q. S sits third to the right of R. J sits third to the left of P. S sits to the immediate right of J. I is not an immediate neighbour of J. How many people sit between I and Q when counted from the right of I?

- Ans
- ☐ 1. Two
 - ☐ 2. One
 - ☐ 3. Four
 - ☒ 4. Three

Q.22 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

DEAR - DRAE - RAED
BALM - BMLA - MLAB

- Ans
- ☐ 1. SWAG - SAWG - GAWS
 - ☐ 2. MEAL - MELA - EALM
 - ☐ 3. BURN - UBRN - NURB
 - ☒ 4. MOST - MTSO - TSOM

Q.23 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. PL-IM
 - ☐ 2. KG-DI
 - ☐ 3. IE-BG
 - ☐ 4. NJ-GL



Q.24 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All jars are cups.

Some jars are kettles.

Conclusions:

(I) Some cups are kettles.

(II) Some kettles are jars.

- Ans**
- ☐ 1. Only conclusion (I) follows.
 - ☐ 2. Only conclusion (II) follows.
 - ☒ 3. Both conclusions (I) and (II) follow.
 - ☐ 4. Neither conclusion (I) nor (II) follows.

Q.25 Town A is to the east of Town B. Town C is to the south of Town A. Town D is to the east of Town C. Town E is to the south of Town D. Town F is to the east of Town E. What is the position of Town F with respect to Town A?

- Ans**
- ☐ 1. Northwest
 - ☐ 2. North
 - ☐ 3. Northeast
 - ☒ 4. Southeast

Q.26 Each of the digits in the number 3417659 is arranged in the ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
- ☐ 1. 12
 - ☒ 2. 10
 - ☐ 3. 11
 - ☐ 4. 9

Q.27 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only G is kept above B. Only F is kept between B and C. Only E is kept below A. How many boxes are kept between E and F?

- Ans**
- ☐ 1. 4
 - ☒ 2. 3
 - ☐ 3. 1
 - ☐ 4. 2

Q.28 What should come in place of the question mark (?) in the given series?

285 260 237 216 197 ?

- Ans**
- ☒ 1. 180
 - ☐ 2. 150
 - ☐ 3. 160
 - ☐ 4. 170

Q.29 What should come in place of the question mark (?) in the given series?

879 880 884 893 909 ?

- Ans**
- ☐ 1. 931
 - ☒ 2. 934
 - ☐ 3. 937
 - ☐ 4. 929



Q.30 In a certain code language, 'OLEA' is coded as '1542' and 'PEAL' is coded as '4651'.
What is the code for 'P' in that language?

Ans  1. 4

 2. 1

 3. 5

 4. 6



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रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	08/09/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which Jain text is recognised in the West and known for its verses on monk conduct, sermons, and poetic teachings?

- Ans**
- ☒ 1. Uttaradhyayana Sutra
 - ☒ 2. Kalpa Sutra
 - ☒ 3. Acaranga Sutra
 - ☒ 4. Bhagavati Sutra

Q.2 Why is Sanskrit counted among the modern Indian languages by the Constitution of India?

- Ans**
- ☒ 1. Given its designation as India's national language
 - ☒ 2. Because it continues to be actively used
 - ☒ 3. Due to its status as the most ancient classical language
 - ☒ 4. As it serves as the linguistic root for all contemporary Indian languages

Q.3 The division of subjects between the Union and the States is laid out in which Schedule of the Constitution?

- Ans**
- ☒ 1. Schedule IX
 - ☒ 2. Schedule V
 - ☒ 3. Schedule X
 - ☒ 4. Schedule VII

Q.4 Which key combination is used to permanently delete a file without sending it to the Recycle Bin?

- Ans**
- ☒ 1. Ctrl + D
 - ☒ 2. Alt + F4
 - ☒ 3. Shift + F2
 - ☒ 4. Shift + Delete

Q.5 The Bhimbetka rock shelters are associated with which prehistoric period?

- Ans**
- ☒ 1. Upper Neolithic
 - ☒ 2. Lower Paleolithic
 - ☒ 3. Iron Age
 - ☒ 4. Lower Chalcolithic



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Q.6 According to the 'List of India's Major Defence Deals of 2024–2025' report, what is the primary objective of India's ₹20,506.65 crore acquisition of BrahMos supersonic cruise missiles?

- Ans**
- ☐ 1. Enhance the Indian Army's artillery capabilities
 - ☒ 2. Strengthen the Indian Navy's maritime strike capacity
 - ☐ 3. Upgrade the Indian Air Force's fighter jets
 - ☐ 4. Develop indigenous missile technology

Q.7 Which of the following practices promotes sustainable agriculture?

- Ans**
- ☐ 1. Monocropping
 - ☒ 2. Crop rotation and organic farming
 - ☐ 3. Slash and burn cultivation
 - ☐ 4. Use of chemical pesticides

Q.8 The office of Governor-General was renamed after 1858 as ____.

- Ans**
- ☐ 1. Secretary of State
 - ☒ 2. Viceroy of India
 - ☐ 3. Chief Administrator
 - ☐ 4. Prime Minister

Q.9 The Idukki Disaster Resilience and Information System (IDRIS), India's first integrated early warning and planning platform using AI and real-time data, was launched in which Indian state?

- Ans**
- ☐ 1. Karnataka
 - ☒ 2. Kerala
 - ☐ 3. Tamil Nadu
 - ☐ 4. Himachal Pradesh

Q.10 Which amendment granted constitutional status to Panchayati Raj institutions?

- Ans**
- ☐ 1. Seventy-fourth Amendment Act, 1992
 - ☐ 2. Eighty-sixth Amendment Act, 2002
 - ☒ 3. Seventy-third Amendment Act, 1992
 - ☐ 4. Seventy-second Amendment Act, 1992

Q.11 India's first prototype fast-breeder reactor to be commissioned by September 2026, is located at which of the following places?

- Ans**
- ☒ 1. Kalpakkam
 - ☐ 2. Tarapur
 - ☐ 3. Bhavnagar
 - ☐ 4. Jaduguda

Q.12 Which of the following was a major fiscal reform introduced in India as part of the 1991 economic reforms?

- Ans**
- ☐ 1. Introduction of GST
 - ☒ 2. Introduction of the Modified Value Added Tax
 - ☐ 3. Abolition of wealth tax
 - ☐ 4. Implementation of the FRBM Act



Q.13 Which of the following commissions was appointed to look into the question of states based on language?

- Ans**
- ☐ 1. Gadgil Commission
 - ☐ 2. Sarkaria Commission
 - ☐ 3. Swaran Singh Committee
 - ☒ 4. Dhar Commission

Q.14 Which of the following is a compound?

- Ans**
- ☐ 1. Oxygen
 - ☐ 2. Iron
 - ☒ 3. Water
 - ☐ 4. Sulphur

Q.15 Which missile was successfully flight-trialed by DRDO and the Indian Navy from Integrated Test Range, Chandipur, Odisha, in 2025, demonstrating capability against ship targets when launched from a Sea King helicopter?

- Ans**
- ☐ 1. BrahMos Anti-Ship Missile
 - ☒ 2. Naval Anti-Ship Missile - Short Range
 - ☐ 3. Prithvi Surface-to-Surface Missile
 - ☐ 4. Agni Ballistic Missile

Q.16 Which major reform was aimed at redistributing land to the landless after independence?

- Ans**
- ☒ 1. Land Ceiling Acts
 - ☐ 2. Crop Insurance Scheme
 - ☐ 3. Green Revolution
 - ☐ 4. Agricultural Export Policy

Q.17 Which island group lies to the south-east of the Indian mainland?

- Ans**
- ☐ 1. Agatti island
 - ☐ 2. Minicoy
 - ☒ 3. Andaman and Nicobar
 - ☐ 4. Lakshadweep

Q.18 Akashteer, which is India's fully indigenous, automated Air Defence Control and Reporting System, that played a vital role during conflict with Pakistan in May 2025, was developed by which of the following organisations?

- Ans**
- ☐ 1. Defence Research and Development Organisation (DRDO)
 - ☐ 2. Hindustan Aeronautics Limited (HAL)
 - ☒ 3. Bharat Electronics Limited (BEL)
 - ☐ 4. Bharat Dynamics Ltd

Q.19 Which of the following crops is grown in waterlogged conditions?

- Ans**
- ☐ 1. Maize
 - ☐ 2. Bajra
 - ☐ 3. Groundnut
 - ☒ 4. Rice



Q.20 The Production Linked Incentive (PLI) scheme is aimed at boosting manufacturing. Which of the following sectors is NOT covered under the PLI scheme?

- Ans**
- ☐ 1. Pharmaceuticals
 - ☐ 2. Automobiles
 - ☒ 3. Tourism
 - ☐ 4. Electronics

Q.21 What was the main objective of the Pitt's India Act of 1784, passed by the British Parliament?

- Ans**
- ☐ 1. Empower provincial councils
 - ☐ 2. Trade monopoly
 - ☐ 3. Abolish company rule
 - ☒ 4. Establish dual government

Q.22 In 2025, on which date was the International Day for Biological Diversity observed globally?

- Ans**
- ☐ 1. 5 June
 - ☐ 2. 5 May
 - ☒ 3. 22 May
 - ☐ 4. 15 May

Q.23 Rural electrification has been a longstanding priority to support livelihoods and education in villages. Which scheme aimed to achieve 100% household electrification in rural India?

- Ans**
- ☐ 1. Ujjwala Yojana
 - ☐ 2. Pradhan Mantri Gram Sadak Yojana
 - ☒ 3. Saubhagya Yojana
 - ☐ 4. Swabhimaan Scheme

Q.24 Which of the following companies has launched a commercial space surveillance satellite named SCOT in March 2025?

- Ans**
- ☐ 1. Tata Advanced Systems
 - ☒ 2. Digantara
 - ☐ 3. Hindustan Aeronautics Limited
 - ☐ 4. Mahindra Aerospace

Q.25 Who was assigned the portfolio of Health & Family Welfare, Transport, and Information Technology in the new Delhi cabinet formed in February 2025?

- Ans**
- ☒ 1. Pankaj Kumar Singh
 - ☐ 2. Ravinder Indraj Singh
 - ☐ 3. Ashish Sood
 - ☐ 4. Manjinder Singh Sirsa

Q.26 How did Public Interest Litigation (PIL) emerge in India as a tool of judicial activism?

- Ans**
- ☐ 1. It originated under the 42nd Constitutional Amendment (1976).
 - ☐ 2. It was introduced by the Lok Adalat system in 2005.
 - ☒ 3. It began in 1979 when the Supreme Court allowed individuals to file cases for public interest.
 - ☐ 4. It was first used during the Emergency (1975-77).



Q.27 Which government-owned organisation is primarily responsible for electricity transmission in India?

- Ans**
- ☐ 1. National Thermal Power Corporation Limited
 - ☐ 2. Central Electricity Authority
 - ☐ 3. Bharat Heavy Electricals Limited
 - ☒ 4. Power Grid Corporation of India Limited

Q.28 After deleting a file from a folder, a user realises that it was an important file. Which of the following steps should they follow to restore it?

- Ans**
- ☐ 1. Press Ctrl + Z repeatedly until it reappears
 - ☐ 2. Restart the computer and the file will return
 - ☒ 3. Open Recycle Bin → Right-click the file → Click Restore
 - ☐ 4. Use Alt + Tab to recover the file

Q.29 Which of the following organisations successfully conducted the first flight trial of a stratospheric airship platform at Sheopur, Madhya Pradesh, to enhance military surveillance capabilities?

- Ans**
- ☐ 1. Bharat Electronics Limited (BEL)
 - ☐ 2. Hindustan Aeronautics Limited (HAL)
 - ☒ 3. Defence Research and Development Organisation (DRDO)
 - ☐ 4. Indian Space Research Organisation (ISRO)

Q.30 The Northern Plains of India are primarily formed by the deposits of which rivers?

- Ans**
- ☐ 1. Narmada and Tapi
 - ☒ 2. Ganga, Indus and Brahmaputra
 - ☐ 3. Yamuna and Chambal
 - ☐ 4. Krishna and Godavari

Q.31 Which element from Group 17 is used to eliminate bacteria and viruses from surfaces, drinking water, sewage, industrial waste, and swimming pools and spas?

- Ans**
- ☐ 1. Bromine
 - ☐ 2. Fluorine
 - ☐ 3. Iodine
 - ☒ 4. Chlorine

Q.32 What was the key electoral innovation introduced in the 1909 Act?

- Ans**
- ☒ 1. Separate electorates
 - ☐ 2. Proportional representation
 - ☐ 3. Voting rights for all
 - ☐ 4. Women's suffrage

Q.33 Who among the following was the first Indian cricketer to receive the Padma Bhushan award?

- Ans**
- ☒ 1. CK Nayudu
 - ☐ 2. Sunil Gavaskar
 - ☐ 3. Sachin Tendulkar
 - ☐ 4. Kapil Dev

Q.34 The Congo River is the deepest river in the world. It is located on which continent?

- Ans**
- ☐ 1. South America
 - ☐ 2. Europe
 - ☐ 3. Asia
 - ☒ 4. Africa



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Q.35 When was K Sanjay Murthy sworn in as the Comptroller and Auditor General (CAG) of India by the president of India?

- Ans**
- ☐ 1. April 2025
 - ☐ 2. December 2024
 - ☒ 3. November 2024
 - ☐ 4. February 2025

Q.36 Which of the following features introduced by the 73rd Constitutional Amendment ensures the continuous functioning of Panchayati Raj Institutions (PRIs)?

- Ans**
- ☐ 1. Creation of Lok Adalats at Panchayat level
 - ☒ 2. Elections within six months of dissolution of a Panchayat
 - ☐ 3. Inclusion of Panchayati Raj in the Union List
 - ☐ 4. Provision for direct funding from the Union government

Q.37 WHO member states reached a draft legally-binding pandemic preparedness pact on 16 April 2025, despite which major donor's withdrawal?

- Ans**
- ☒ 1. United States
 - ☐ 2. United Kingdom
 - ☐ 3. Germany
 - ☐ 4. Japan

Q.38 What is the full form of the NAKSHA programme, the second phase of which was launched in 2025 by the Ministry of Rural Development?

- Ans**
- ☐ 1. New Analytical Knowledge for Housing Areas
 - ☒ 2. National geospatial Knowledge-based land Survey of urban HABitations
 - ☐ 3. National Geo-based Urban Survey
 - ☐ 4. National Area Keeping Survey for Habitats

Q.39 Reserve Bank of India advised all banks in india to commence the migration of their existing domains to the '.bank.in' domain and complete the process latest by _____.

- Ans**
- ☒ 1. 31 October 2025
 - ☐ 2. 31 December 2025
 - ☐ 3. 31 August 2025
 - ☐ 4. 31 March 2026

Q.40 In accordance with the Modern Periodic Law, the characteristics of elements are periodic functions of their:

- Ans**
- ☒ 1. atomic number
 - ☐ 2. isotopic mass
 - ☐ 3. atomic weight
 - ☐ 4. atomic mass

Section : Mathematics

Q.1 A bus travelling at 14 km/hr completes a journey in 20 hours. What should its speed be to cover the same distance in 5 hours?

- Ans**
- ☒ 1. 56 km/hr
 - ☐ 2. 53 km/hr
 - ☐ 3. 61 km/hr
 - ☐ 4. 63 km/hr



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Q.2 The average of first 149 odd natural numbers, is:

- Ans
- ☐ 1. 149.5
 - ☐ 2. 150
 - ☒ 3. 149
 - ☐ 4. 148.5

Q.3 A sum of ₹2,500 amounts to ₹2,809 in 2 years at a certain rate of interest per annum, compounded annually. The rate of interest per annum is:

- Ans
- ☐ 1. 8%
 - ☒ 2. 6%
 - ☐ 3. 7%
 - ☐ 4. 3%

Q.4 The number 877217 is divisible by which of the following?

- Ans
- ☐ 1. 2
 - ☐ 2. 16
 - ☐ 3. 12
 - ☒ 4. 11

Q.5 The difference between a single discount of 52%, and two successive discounts of 35% and 4%, applied to a bill of ₹1,125, is _____.

- Ans
- ☒ 1. ₹162
 - ☐ 2. ₹152
 - ☐ 3. ₹132
 - ☐ 4. ₹144

Q.6 If the 6-digit number N51M54 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans
- ☐ 1. $M - N = 1$
 - ☒ 2. $M - N = -3$
 - ☐ 3. $M + N = 3$
 - ☐ 4. $M = N$

Q.7 Two pipes can fill a cistern, individually, in 93 min and 31 min, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 24 min. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

- Ans
- ☐ 1. 730 min
 - ☒ 2. 744 min
 - ☐ 3. 784 min
 - ☐ 4. 761 min

Q.8 The height of a cylinder is 35 cm, and the radius of its circular base is 9 cm. Find its volume. (Take $\pi = \frac{22}{7}$.)

- Ans
- ☒ 1. 8910 cm³
 - ☐ 2. 8110 cm³
 - ☐ 3. 8900 cm³
 - ☐ 4. 8011 cm³



Q.9 In covering a distance of 56 km, Pranshu takes 3 hours more than Chandu. If Pranshu doubles his speed, he would take 4 hours less than Chandu. Pranshu's speed is:

- Ans**
- ☒ 1. 8 km/hr
 - ☒ 2. 10 km/hr
 - ☒ 3. 4 km/hr
 - ☒ 4. 9 km/hr

Q.10 Find the mean proportional between 25 and 196.

- Ans**
- ☒ 1. 68
 - ☒ 2. 73
 - ☒ 3. 67
 - ☒ 4. 70

Q.11 Find the value of: $[167 \div \{17 + 4 \times (3 - 7)\}]$.

- Ans**
- ☒ 1. 167
 - ☒ 2. 166
 - ☒ 3. 172
 - ☒ 4. 164

Q.12 The current population of a town is 20,000. It increases by 30% and 50% in two successive years but decreases by 68% in the third year. What is the population of the town at the end of the third year?

- Ans**
- ☒ 1. 12,480
 - ☒ 2. 12,485
 - ☒ 3. 12,481
 - ☒ 4. 12,475

Q.13 Simplify: $2\left(\left(\frac{5}{2}\right)x^2 - 22x + 11\right) - 5(x^2 + 9x - 11)$

- Ans**
- ☒ 1. $89x - 77$
 - ☒ 2. $89x + 77$
 - ☒ 3. $-89x + 77$
 - ☒ 4. $-89x - 77$

Q.14 If $\sin\theta = x$, then $\frac{\sqrt{1+x}(\tan\theta)}{x} =$ _____.

- Ans**
- ☒ 1. $\frac{1}{\sqrt{1-x}}$
 - ☒ 2. $\frac{1}{\sqrt{1+x}}$
 - ☒ 3. $\sqrt{1-x}$
 - ☒ 4. $\frac{1}{1-x^2}$



Q.15 Nisha, Sameer, and Rupesh invest ₹1,730, ₹1,420, and ₹1,350 respectively to start a business. If the profit at the end of the year is ₹1,490, then what is the share of Rupesh in the profit?

- Ans**
- ☐ 1. ₹449
 - ☒ 2. ₹447
 - ☐ 3. ₹446
 - ☐ 4. ₹445

Q.16 If the radius of the base of a right circular cylinder is decreased by 23% and its height is increased by 151%, then what is the percentage increase (closest integer) in its volume?

- Ans**
- ☐ 1. 20%
 - ☒ 2. 49%
 - ☐ 3. 66%
 - ☐ 4. 69%

Q.17 If 2 times the age of Ram is 24 years more than 2 times the age of Ramya, and 4 times the age of Ramya is 3 years less than the age of Ram, then what is the difference (in years) between the ages of Ram and Ramya?

- Ans**
- ☐ 1. 15
 - ☒ 2. 12
 - ☐ 3. 11
 - ☐ 4. 9

Q.18 The sum of two numbers is 78 and their L.C.M. is 180. What are the two numbers?

- Ans**
- ☐ 1. 58, 20
 - ☐ 2. 53, 25
 - ☒ 3. 60, 18
 - ☐ 4. 65, 13

Q.19 Kunal and Abhishek start a business. Kunal invests ₹33,000 more than Abhishek for 7 months and Abhishek invests for 3 months. Kunal's share is ₹2,654 more than that of Abhishek, out of a total profit of ₹5,308. Find the capital contributed by Kunal.

- Ans**
- ☐ 1. ₹1,48,367
 - ☐ 2. ₹1,48,556
 - ☐ 3. ₹1,48,647
 - ☒ 4. ₹1,48,500

Q.20 Two school bells ring at intervals of 36 minutes and 45 minutes. If both bells ring together at 9:00 a.m., when will they ring together again?

- Ans**
- ☐ 1. 1:12 p.m.
 - ☐ 2. 11:36 a.m.
 - ☒ 3. 12 noon
 - ☐ 4. 11:48 a.m.

Q.21 Sapna invested ₹22,800 on simple interest, partly at 5% per annum and partly at 14% per annum. If she earns equal interests from the two investments after 4 years, then find the sum invested at 5% per annum (in ₹).

- Ans**
- ☐ 1. 16,798
 - ☐ 2. 16,799
 - ☒ 3. 16,800
 - ☐ 4. 16,801



Q.22 A shop offers 'Buy three for ₹6,000, get one free' for Dasara celebration, and also offers ₹600 cash back if a person pays in cash. What is the total percentage of discount offered for a customer who pays in cash?

- Ans
- ☐ 1. 25.5%
 - ☐ 2. 67.5%
 - ☐ 3. 33.33%
 - ☒ 4. 32.5%

Q.23 I bought two dresses for ₹1,200. I sold the first one at a loss of 9% and the second at a gain of 15%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first dress.

- Ans
- ☐ 1. 774
 - ☐ 2. 770
 - ☒ 3. 750
 - ☐ 4. 734

Q.24 The value of $7^2 + \sqrt{2^2} - 8\sqrt{81} - 7$ is

- Ans
- ☐ 1. -19
 - ☐ 2. -27
 - ☒ 3. -28
 - ☐ 4. -26

Q.25 The interior angle between two adjacent sides of a regular n -sided polygon is _____ degrees.

- Ans
- ☐ 1. $180 - \frac{90}{n}$
 - ☐ 2. $180 - \frac{180}{n}$
 - ☒ 3. $180 - \frac{360}{n}$
 - ☐ 4. $90 - \frac{90}{n}$

Q.26 A can do a work in 9 days and B can do the same work in 21 days. If they work on it together for 2 days, then what fraction of the work is left?

- Ans
- ☐ 1. $\frac{41}{63}$
 - ☐ 2. $\frac{38}{63}$
 - ☒ 3. $\frac{43}{63}$
 - ☐ 4. $\frac{47}{63}$

Q.27 The product of two consecutive positive natural numbers is 110. The greater of the two numbers is:

- Ans
- ☐ 1. 7
 - ☐ 2. 5
 - ☒ 3. 11
 - ☐ 4. 3



Q.28

By how much is 65% of 75 greater than $\frac{4}{5}$ of 25?

- Ans
- ☐ 1. 26.75
 - ☒ 2. 28.75
 - ☐ 3. 22.75
 - ☐ 4. 25.75

Q.29

By selling an article at $\frac{4}{14}$ of its actual selling price, Hitesh incurs a loss of 15%.

If he sells it at 60% of its actual selling price, then the profit percentage is:

- Ans
- ☐ 1. 78.7%
 - ☐ 2. 77.5%
 - ☐ 3. 78.1%
 - ☒ 4. 78.5%

Q.30

The sum of five numbers is 655. The average of the first two numbers is 80, and the third number is 104. Find the average of the remaining two numbers.

- Ans
- ☐ 1. 185
 - ☐ 2. 184
 - ☐ 3. 196.5
 - ☒ 4. 195.5

Section : General Intelligence and Reasoning

Q.1

Yash ranked 34th from the top and 47th from the bottom in his class. How many students are there in his class?

- Ans
- ☐ 1. 81
 - ☐ 2. 79
 - ☒ 3. 80
 - ☐ 4. 82

Q.2

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

17, 36
16, 34

- Ans
- ☐ 1. 53, 97
 - ☒ 2. 23, 48
 - ☐ 3. 12, 24
 - ☐ 4. 18, 39

Q.3

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

SOQ–NJL
RNP–MIK

- Ans
- ☒ 1. CYA–XTV
 - ☐ 2. WRS–QMO
 - ☐ 3. WRS–RNP
 - ☐ 4. WSU–QNO



Q.4 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

GAPS - SPGA - GPAS
AUNT - TNAU - ANUT

- Ans** ☒ 1. HAIR - RIHA - HIAR
☐ 2. DINE - DNIE - ENID
☐ 3. DIMS - IMDS - IMSD
☐ 4. HALF - FLHA - ALHF

Q.5 In a certain code language, 'USER' is coded as '4629' and 'LAST' is coded as '1354'. What is the code for 'S' in the given code language?

- Ans** ☐ 1. 2
☐ 2. 3
☒ 3. 4
☐ 4. 1

Q.6 H, I, J, K, U, V and W are sitting around a circular table facing the centre of the table. Only two people sit between V and I when counted from the right of V. Only three people sit between H and J when counted from the right of J. I sits to the immediate right of J. W sits to the immediate right of K. Who sits fourth to the right of U?

- Ans** ☒ 1. W
☐ 2. K
☐ 3. H
☐ 4. J

Q.7 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☐ 1. MI-TX
☐ 2. TP-AE
☐ 3. JF-QU
☒ 4. CY-JM

Q.8 47 people are standing in a row facing north. Suhana is 24th from the right end, while Bimla is 37th from the left end. How many people are there between Suhana and Bimla?

- Ans** ☒ 1. 12
☐ 2. 13
☐ 3. 11
☐ 4. 10

Q.9 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$72 \times 6 \div 18 + 10 - 2 = ?$$

- Ans** ☒ 1. 10
☐ 2. 18
☐ 3. 12
☐ 4. 5



Q.10 Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. Only two people sit to the right of K. Only two people sit between K and O. Only two people sit between I and N. N sits to the immediate left of K. L sits to the immediate right of M. Who sits at the third position from the left end of the line?

- Ans**
- ☐ 1. I
 - ☐ 2. O
 - ☐ 3. L
 - ☒ 4. J

Q.11 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pages are crows.
Some crows are remotes.

Conclusion:

(I): Some pages are remotes.
(II): All crows are pages.

- Ans**
- ☒ 1. Neither conclusion (I) nor (II) follows
 - ☐ 2. Only conclusion (I) follows
 - ☐ 3. Both conclusions (I) and (II) follow
 - ☐ 4. Only conclusion (II) follows

Q.12 In a certain code language,
'A % B' means 'A is the daughter of B',
'A = B' means 'A is the wife of B',
'A ≠ B' means 'A is the father of B' and
'A # B' means 'A is the brother of B'.

How is S related to T if 'S % M = A ≠ R # T'?

- Ans**
- ☐ 1. Brother
 - ☐ 2. Father
 - ☐ 3. Mother
 - ☒ 4. Sister

Q.13 BYAZ is related to AXZY in a certain way based on the English alphabetical order. In the same way, CZBA is related to BYAZ. To which of the given options is SPRQ related, following the same logic?

- Ans**
- ☐ 1. ROPP
 - ☐ 2. RNPP
 - ☒ 3. ROQP
 - ☐ 4. RPPW

Q.14 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
AFH LQS WBD HMO ?

- Ans**
- ☒ 1. SXZ
 - ☐ 2. ZXS
 - ☐ 3. SZX
 - ☐ 4. ZSX



Q.15 Kartik ranked 46th from the top and 19th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 62
 - ☒ 2. 64
 - ☒ 3. 65
 - ☒ 4. 63

Q.16 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. MP-KO
 - ☒ 2. KN-IM
 - ☒ 3. GJ-EH
 - ☒ 4. OR-MQ

Q.17 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$22 \div 3 + 81 \times 9 - 12 = ?$$

- Ans**
- ☒ 1. 67
 - ☒ 2. 71
 - ☒ 3. 69
 - ☒ 4. 65

Q.18 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. PJF
 - ☒ 2. HBW
 - ☒ 3. FZV
 - ☒ 4. WQM

Q.19 In a certain code language, 'LISE' is coded as '0873' and 'SITE' is coded as '8763'. What is the code for 'T' in the given code language?

- Ans**
- ☒ 1. 7
 - ☒ 2. 8
 - ☒ 3. 3
 - ☒ 4. 6

Q.20 Mr. Sol starts from Point A and drives 6 km towards the east. He then takes a right turn and drives 3 km, then turns right and drives 7 km. He then takes a right turn and drives 14 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 13 km to the north
 - ☒ 2. 11 km to the east
 - ☒ 3. 12 km to the south
 - ☒ 4. 11 km to the south



Q.21 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$91 \times 13 - 9 \div 8 + 18 = ?$$

- Ans
- ☐ 1. 63
 - ☐ 2. 59
 - ☐ 3. 65
 - ☒ 4. 61

Q.22 Each of the digits in the number 95423671 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans
- ☒ 1. Two
 - ☐ 2. Three
 - ☐ 3. None
 - ☐ 4. One

Q.23 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some bottle are plastic.

Some plastic are glass.

Conclusions:

(I): Some bottle are glass.

(II): All glass are plastic.

- Ans
- ☐ 1. Both conclusions (I) and (II) follow.
 - ☐ 2. Only conclusion (I) follows.
 - ☐ 3. Only conclusion (II) follows.
 - ☒ 4. Neither conclusion (I) nor (II) follows.

Q.24 What should come in place of the question mark (?) in the given series?

7 9 14 24 41 ?

- Ans
- ☐ 1. 75
 - ☐ 2. 78
 - ☐ 3. 71
 - ☒ 4. 67

Q.25 What should come in place of the question mark (?) in the given series?

1600, 2025, 2500, 3025, 3600, ?

- Ans
- ☐ 1. 3825
 - ☐ 2. 4025
 - ☒ 3. 4225
 - ☐ 4. 5625

Q.26 Rahul starts from Point A and drives 11 km towards North. He then takes a right turn, drives 7 km, turns right and drives 6 km. He then takes a left turn and drives 5 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans
- ☒ 1. 12 km towards West
 - ☐ 2. 12 km towards East
 - ☐ 3. 10 km towards South
 - ☐ 4. 10 km towards West



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Q.27 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
FTR KYW PDB UIG ?

- Ans**
- ☐ 1. ZNM
 - ☒ 2. ZNL
 - ☐ 3. YNL
 - ☐ 4. ZNO

Q.28 This question is based on the five, three-digit numbers given below.

(Left) 438 345 367 353 276 (Right)

(Example: 697 – first digit = 6, second digit = 9, and third digit = 7)
(NOTE: All operations are to be done from left to right.)

What will be the resultant if the third digit of the largest number is added to the second digit of smallest number?

- Ans**
- ☐ 1. 14
 - ☐ 2. 17
 - ☐ 3. 16
 - ☒ 4. 15

Q.29 What should come in place of the question mark (?) in the given series?

25 40 58 79 103 ?

- Ans**
- ☐ 1. 115
 - ☐ 2. 125
 - ☒ 3. 130
 - ☐ 4. 120

Q.30 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single digit numbers only.)

(Left) % & 3 3 \$ 0 8 π 3 π 5 * @ 1 5 2 # 7 3 π 9 (Right)

How many such numbers are there, which are immediately preceded by a symbol and also immediately followed by another symbol?

- Ans**
- ☐ 1. Two
 - ☒ 2. Five
 - ☐ 3. Four
 - ☐ 4. One





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	09/09/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 What is the main cause of different seasons on the Earth?

- Ans
- ☒ 1. Earth's distance from the Sun
 - ☒ 2. Earth's rotation
 - ☒ 3. Solar flares
 - ☒ 4. Earth's tilt and revolution around the Sun

Q.2 राजस्थान का डेजर्ट नेशनल पार्क (Desert National Park), राज्य के किन जिलों में स्थित है?

- Ans
- ☒ 1. जैसलमेर और बाड़मेर
 - ☒ 2. फलोदी और जोधपुर
 - ☒ 3. उदयपुर और राजसमंद
 - ☒ 4. धौलपुर और भरतपुर

Q.3 किस जैवरसायनज्ञ को प्रोटीन, विशेषकर इंसुलिन की संरचना पर उनके कार्य के लिए 1958 में नोबेल पुरस्कार प्रदान किया गया?

- Ans
- ☒ 1. फ्रेडरिक सेंगर (Frederick Sanger)
 - ☒ 2. रोज़ालिंड फ्रैंकलिन (Rosalind Franklin)
 - ☒ 3. एडवर्ड बुचनर (Eduard Buchner)
 - ☒ 4. कार्ल न्यूबर्ग (Carl Neuberg)

Q.4 In which Schedule are the forms of oath and affirmation for various constitutional offices specified?

- Ans
- ☒ 1. Fourth Schedule
 - ☒ 2. Fifth Schedule
 - ☒ 3. Tenth Schedule
 - ☒ 4. Third Schedule

Q.5 Who predicted the existence of a new particle, now known as the neutrino, in 1931, using the conservation laws of energy and momentum for β -decay?

- Ans
- ☒ 1. Paul Dirac
 - ☒ 2. Wolfgang Pauli
 - ☒ 3. Enrico Fermi
 - ☒ 4. James Chadwick



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Q.6 Which index combines life expectancy, education and per capita income to measure a country's human development?

- Ans**
- ☒ 1. GDP per capita
 - ☒ 2. Human Development Index (HDI)
 - ☐ 3. Consumer Price Index
 - ☐ 4. Gini Index

Q.7 Which of the following Articles of the Indian Constitution specifically deal with the establishment of Tribunals for administrative and other matters?

- Ans**
- ☒ 1. Articles 323A and 323B
 - ☐ 2. Articles 32 and 226
 - ☐ 3. Articles 356C and 360D
 - ☐ 4. Articles 14 and 15

Q.8 Which plateau is NOT a part of the Patland series?

- Ans**
- ☐ 1. Ranchi Plateau
 - ☒ 2. Deccan Plateau
 - ☐ 3. Malwa Plateau
 - ☐ 4. Hazaribagh Plateau

Q.9 दिसंबर 2024 में, भारत के रक्षा मंत्रालय ने कितने Su-30MKI विमानों की खरीद के लिए एच.ए.एल. (HAL) के साथ एक अनुबंध पर हस्ताक्षर किए?

- Ans**
- ☐ 1. 5
 - ☐ 2. 15
 - ☒ 3. 12
 - ☐ 4. 8

Q.10 In which venue was the World Health Summit (WHS) Regional Meeting 2025 hosted for the first time in India?

- Ans**
- ☐ 1. India Expo Centre, Greater Noida
 - ☒ 2. Bharat Mandapam, New Delhi
 - ☐ 3. Ashoka University, Sonapat
 - ☐ 4. Pragati Maidan, New Delhi

Q.11 What is the primary objective of the Waqf (Amendment) Act, 2025?

- Ans**
- ☐ 1. To restrict the establishment of new Waqf properties
 - ☒ 2. To enhance transparency and inclusivity in the management of Waqf properties
 - ☐ 3. To nationalise all Waqf properties under central government control and conduct an audit of new Waqf properties
 - ☐ 4. To repeal the Waqf Act, 1995 and abolish Waqf Boards

Q.12 Which Indian female shooter won a silver medal in the women's skeet event at the ISSF Junior World Cup 2025?

- Ans**
- ☐ 1. Maheshwari Chauhan
 - ☐ 2. Parinaaz Dhaliwal
 - ☒ 3. Raiza Dhillon
 - ☐ 4. Ganemat Sekhon

Q.13 Which of the following Indian startups was selected to develop the country's first indigenous large language model under the India AI Mission April 2025?

- Ans**
- ☒ 1. Sarvam AI
 - ☐ 2. AI4Bharat
 - ☐ 3. Infosys
 - ☐ 4. Wadhvani AI



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Q.14 Which policy was adopted by the British in the post-1857 revolt in India due to distrust of Hindu-Muslim unity?

- Ans
- ☐ 1. Doctrine of Lapse
 - ☐ 2. Forward Policy
 - ☐ 3. Subsidiary Alliance
 - ☒ 4. Divide and Rule

Q.15 मई 2025 में परीक्षण की गई भारत की स्वदेशी ड्रोन-रोधी प्रणाली का नाम क्या है?

- Ans
- ☐ 1. आकाशतीर
 - ☐ 2. त्रिनेत्र
 - ☐ 3. नागास्त्र
 - ☒ 4. भार्गवास्त्र

Q.16 22 मई 2025 को प्रधानमंत्री श्री नरेंद्र मोदी द्वारा कितने अमृत स्टेशनों का उद्घाटन किया गया?

- Ans
- ☐ 1. 110
 - ☐ 2. 100
 - ☒ 3. 103
 - ☐ 4. 108

Q.17 पजहस्सी राजा (Pazhassi Raja) आधुनिक _____ राज्य के एक स्वतंत्रता सेनानी थे।

- Ans
- ☐ 1. गुजरात
 - ☒ 2. केरल
 - ☐ 3. तेलंगाना
 - ☐ 4. आंध्र प्रदेश

Q.18 To adjust the screen resolution or change the desktop background in Windows, which of the following would a user typically access?

- Ans
- ☐ 1. This PC
 - ☐ 2. Documents
 - ☒ 3. Settings
 - ☐ 4. Run

Q.19 PM JI-VAN (जैव ईंधन-वातावरण अनुकूल फसल अवशेष निवारण) योजना किस वर्ष लॉन्च की गई?

- Ans
- ☐ 1. 2018
 - ☒ 2. 2019
 - ☐ 3. 2020
 - ☐ 4. 2017

Q.20 निम्नलिखित में से किस भारतीय तटरक्षक जहाज ने भारत-यूएई समुद्री सहयोग को मज़बूत करने वाले NAVDEX 2025 में हिस्सा लिया?

- Ans
- ☐ 1. ICGS सुजाता (ICGS Sujata)
 - ☐ 2. INS राजध्वज (INS Rajdhvaj)
 - ☒ 3. ICGS शूर (ICGS Shoor)
 - ☐ 4. INS वीरा (INS Veera)

Q.21 Which Constitutional Amendment granted constitutional status to Co-operative Societies in India?

- Ans
- ☐ 1. 74th Constitutional Amendment Act, 1992
 - ☐ 2. 73rd Constitutional Amendment Act, 1992
 - ☒ 3. 97th Constitutional Amendment Act, 2011
 - ☐ 4. 86th Constitutional Amend



Q.22 The _____ of the Indian Constitution protects laws from being challenged in courts under judicial review.

- Ans**
- ☐ 1. Eleventh Schedule
 - ☒ 2. Ninth Schedule
 - ☐ 3. Fifth Schedule
 - ☐ 4. Third Schedule

Q.23 What is the mandated time for the Public Information Officer (PIO) to provide information?

- Ans**
- ☐ 1. 15 days for urgent matters
 - ☐ 2. 60 days for all cases
 - ☒ 3. 30 days generally and 48 hours for life or liberty cases
 - ☐ 4. 10 days for personal requests

Q.24 डिजिटल इंडिया भूमि अभिलेख आधुनिकीकरण कार्यक्रम (DILRMP) का हिस्सा, विशिष्ट भूमि पार्सल पहचान संख्या (ULPIN), भूमि पार्सल के देशांतर और अक्षांश निर्देशांक के आधार पर कितने अंकों की एक विशिष्ट पहचान संख्या है?

- Ans**
- ☐ 1. 10 अंक
 - ☐ 2. 12 अंक
 - ☐ 3. 16 अंक
 - ☒ 4. 14 अंक

Q.25 Which of the following statements about the National Rural Livelihoods Mission (NRLM) is correct?

- Ans**
- ☐ 1. It guarantees minimum support prices for rural produce.
 - ☒ 2. It aims to organise rural poor into Self-Help Groups (SHGs).
 - ☐ 3. It offers 100 days of guaranteed employment to rural poor.
 - ☐ 4. It provides direct employment in rural public sector units.

Q.26 The Planning Commission was the apex body responsible for formulating Five-Year Plans. In which year was the Planning Commission of India established?

- Ans**
- ☐ 1. 1948
 - ☒ 2. 1950
 - ☐ 3. 1952
 - ☐ 4. 1951

Q.27 Which of the following was NOT a feature of the Green Revolution in India?

- Ans**
- ☐ 1. Increased use of fertilisers and irrigation
 - ☒ 2. Expansion of agricultural land
 - ☐ 3. Mechanisation of agriculture
 - ☐ 4. Use of high-yielding variety seeds

Q.28 Which of the following is true for Read-Only Memory (ROM)?

- Ans**
- ☒ 1. It stores the booting instructions permanently.
 - ☐ 2. It is volatile memory that stores data temporarily.
 - ☐ 3. It stores data that can be modified by the user.
 - ☐ 4. It processes the logic operations.



Q.29 गुर्जर-प्रतिहार वंश के विस्तार के दौरान, निम्नलिखित में से कौन-सा नगर वत्सराज की राजधानी बना?

Ans ☒ 1. उज्जैन

☒ 2. मथुरा

☒ 3. कन्नौज

☒ 4. मालवा

Q.30 जनवरी 2025 में विश्व आर्थिक मंच (WEF) की वार्षिक बैठक किस स्विस् शहर में आयोजित की गई थी?

Ans ☒ 1. दावोस

☒ 2. ज्यूरिख

☒ 3. जिनेवा

☒ 4. वियना

Q.31 2025 में पद्मश्री पुरस्कार प्राप्त करने वाले हृदय नारायण दीक्षित, जो एक प्रसिद्ध विचारक, दार्शनिक, राजनीतिज्ञ और सामाजिक कार्यकर्ता हैं, किस भारतीय राज्य से संबंधित हैं?

Ans ☒ 1. उत्तर प्रदेश

☒ 2. राजस्थान

☒ 3. बिहार

☒ 4. मध्य प्रदेश

Q.32 Which movement marked Mahatma Gandhi's entry into all-India politics?

Ans ☒ 1. Civil Disobedience Movement

☒ 2. Khilafat and Non-Cooperation Movement

☒ 3. Salt Satyagraha

☒ 4. Champaran Satyagraha

Q.33 Which institution celebrated the Rashtriya Boudhik Sampada Mahotsav (RBSM) on 29 May 2025?

Ans ☒ 1. CSIR-Indian Institute of Petroleum, Dehradun

☒ 2. Rajiv Gandhi Institute of Petroleum Technology, Amethi

☒ 3. Indian Institute of Petroleum and Energy, Visakhapatnam

☒ 4. Indian Oil Institute of Petroleum Management, Haryana

Q.34 प्रथम मुगल शासक बाबर, मध्यकालीन विश्व के दो सबसे बड़े विजेताओं से संबंधित था। यदि वह मातृपक्ष में मंगोल विजेता चंगेज खान से संबंधित था, तो पितृपक्ष में वह किससे संबंधित था?

Ans ☒ 1. मोहम्मद गौरी (Mohammed Ghori)

☒ 2. महमूद गजनी (Mahmud Ghazni)

☒ 3. तैमूर (Timur)

☒ 4. इब्राहिम लोदी (Ibrahim Lodi)

Q.35 In May 2025, India assumed the chairmanship of which regional organisation focused on productivity enhancement?

Ans ☒ 1. Asian Productivity Organization (APO)

☒ 2. Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC)

☒ 3. South Asian Association for Regional Cooperation (SAARC)

☒ 4. Association of Southeast Asian Nations (ASEAN)



Q.36 1923 में आंध्र प्रदेश में जन्मे वेदांतम प्रहलाद शर्मा ने निम्नलिखित में से किस भारतीय शास्त्रीय नृत्य शैली में दीक्षा ली थी?

- Ans
- ☐ 1. भरतनाट्यम
 - ☐ 2. कथक
 - ☐ 3. ओडिसी
 - ☒ 4. कुचिपुड़ी

Q.37 निम्नलिखित में से कौन-सा राज्य, गोंड समुदाय की जनजातीय बस्ती के लिए जाना जाता है?

- Ans
- ☐ 1. केरल
 - ☐ 2. हरियाणा
 - ☐ 3. पंजाब
 - ☒ 4. छत्तीसगढ़

Q.38 निम्नलिखित में से कौन, राजीव गांधी खेल रत्न पुरस्कार जीतने वाला प्रथम भारतीय एथलीट था?

- Ans
- ☐ 1. सचिन तेंदुलकर
 - ☐ 2. पी.वी. सिंधु
 - ☐ 3. लिंडर पेस
 - ☒ 4. विश्वनाथन आनंद

Q.39 The element with atomic number 21 is _____.

- Ans
- ☐ 1. Calcium
 - ☒ 2. Scandium
 - ☐ 3. Titanium
 - ☐ 4. Zinc

Q.40 लंबे समय से चले आ रहे अंतर-राज्यीय सीमा विवाद को सुलझाने के लिए अप्रैल 2025 में गुवाहाटी में किन दो राज्य सरकारों ने आधिकारिक स्तर की वार्ता की?

- Ans
- ☐ 1. अरुणाचल प्रदेश और नागालैंड
 - ☐ 2. मिज़ोरम और त्रिपुरा
 - ☒ 3. मिज़ोरम और असम
 - ☐ 4. नागालैंड और मणिपुर

Section : Mathematics

Q.1 विक्रम, कोमल और ऋषि ने एक व्यवसाय शुरू करने के लिए क्रमशः ₹1,540, ₹1,760 और ₹1,170 का निवेश किया। यदि वर्ष के अंत में लाभ ₹1,490 है, तो लाभ में ऋषि का हिस्सा कितना है?

- Ans
- ☐ 1. ₹392
 - ☒ 2. ₹390
 - ☐ 3. ₹391
 - ☐ 4. ₹388

Q.2 कितनी धनराशि (₹ में), 5% वार्षिक साधारण ब्याज की दर से 4 वर्षों में ₹2,280 हो जाएगी?

- Ans
- ☒ 1. ₹1,900
 - ☐ 2. ₹11,400
 - ☐ 3. ₹1,850
 - ☐ 4. ₹1,950



Q.3 $[147 \div \{29 + 2 \times (4 - 8)\}]$ का मान ज्ञात कीजिए।

- Ans
- ☐ 1. 8
 - ☐ 2. 9
 - ☐ 3. 3
 - ☒ 4. 7

Q.4 एक व्यक्ति भोपाल से इंदौर 6 km/hr की चाल से जाता है और उसी मार्ग से 12 km/hr की चाल से भोपाल वापस आता है। संपूर्ण यात्रा में उसकी औसत चाल (km/hr में) ज्ञात कीजिए।

- Ans
- ☐ 1. 4
 - ☐ 2. 10
 - ☐ 3. 6
 - ☒ 4. 8

Q.5 निम्न को सरल कीजिए:

- Ans
- $\frac{1}{\tan^2\theta} + \frac{\tan^2\theta}{\sin^2\theta} \times \cos^2\theta$
- ☐ 1. $\sec^2\theta$
 - ☐ 2. $\sin^2\theta$
 - ☒ 3. $\operatorname{cosec}^2\theta$
 - ☐ 4. 1

Q.6 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 45^\circ$ and $\angle BAC = 104^\circ$, then what is the measure of $\angle ACD$ (in degree)?

- Ans
- ☐ 1. 114°
 - ☐ 2. 130°
 - ☐ 3. 117°
 - ☒ 4. 118°

Q.7 $69^{-4} \div 69^{10} \times 69^{-17}$ का मान ज्ञात कीजिए।

- Ans
- ☐ 1. 69^{-36}
 - ☒ 2. 69^{-31}
 - ☐ 3. 69^{-32}
 - ☐ 4. 69^{-21}

Q.8 $5^3 \times 9^2 \times 14$, $5^2 \times 14^2 \times 19$ और $9^3 \times 14^2 \times 19^2$ का लघुत्तम समापवर्त्य (LCM) ज्ञात कीजिए।

- Ans
- ☒ 1. $5^3 \times 9^3 \times 14^2 \times 19^2$
 - ☐ 2. $5^3 \times 9^2 \times 14^2 \times 19$
 - ☐ 3. $5^2 \times 9^2 \times 14^2 \times 19^3$
 - ☐ 4. $5^2 \times 9^3 \times 14 \times 19^2$

Q.9 13 पेन और 3 पेंसिल की कीमत ₹152 है। यदि पेन की कीमत ₹1 प्रति पेन कम हो जाती है और पेंसिल की कीमत ₹7 प्रति पेंसिल बढ़ जाती है, तो 18 पेन और 3 पेंसिल की कीमत ₹165 हो जाती है। 12 पेन और 11 पेंसिल की मूल कीमत कितनी होगी?

- Ans
- ☐ 1. ₹481
 - ☒ 2. ₹486
 - ☐ 3. ₹489
 - ☐ 4. ₹483



Q.10 The number of prime numbers lying between 402 and 409, both included, is:

Ans ☒ 1. 1

☐ 2. 4

☐ 3. 6

☐ 4. 3

Q.11 एक बल्लेबाज द्वारा 23 मैचों में बनाए गए औसत रन 40 हैं। अगले 10 मैचों में, बल्लेबाज ने औसतन 15 रन बनाए। सभी 33 मैचों में उसके द्वारा बनाए गए औसत रन (दो दशमलव स्थानों तक पूर्णांकित) ज्ञात कीजिए।

Ans ☐ 1. 31.42

☒ 2. 32.42

☐ 3. 33.42

☐ 4. 34.42

Q.12 दो संख्याओं का योगफल 40 है और उनका लघुत्तम समापवर्त्य (L.C.M.) 351 है। वे दोनों संख्याएं ज्ञात कीजिए।

Ans ☒ 1. 13, 27

☐ 2. 18, 22

☐ 3. 11, 29

☐ 4. 6, 34

Q.13 रमन की आय ₹41,400 है। वह अपनी आय के 24% की बचत करता है। यदि उसकी आय में 22% की वृद्धि होती है और खर्च में 25% की वृद्धि होती है, तो उसकी बचत में _____ होगी।

Ans ☒ 1. ₹1,242 की वृद्धि

☐ 2. ₹1,241 की कमी

☐ 3. ₹1,244 की कमी

☐ 4. ₹1,245 की वृद्धि

Q.14 वसीम, 234 km की यात्रा 78 km/hr की चाल से तय करता है, अगली 441 km की यात्रा 49 km/h की चाल से तय करता है और उससे अगली 488 km की यात्रा 61 km/h की चाल से तय करता है। संपूर्ण यात्रा के लिए उसकी औसत चाल (km/hr में) कितनी है?

Ans ☐ 1. 50.87

☐ 2. 50.13

☒ 3. 58.15

☐ 4. 54.83

Q.15 7 cm त्रिज्या वाले गोले का आयतन (cm^3 में, निकटतम पूर्णांक तक पूर्णांकित) ज्ञात कीजिए।

($\pi = \frac{22}{7}$ का उपयोग कीजिए)

Ans ☐ 1. 1442 cm^3

☒ 2. 1437 cm^3

☐ 3. 1436 cm^3

☐ 4. 1446 cm^3

Q.16 निम्नलिखित में से कौन-सा अनुपात, सबसे बड़ा है?

Ans ☒ 1. 37 : 56

☐ 2. 38 : 75

☐ 3. 33 : 54

☐ 4. 35 : 80



Q.17 एक संख्या में 80% की वृद्धि करने पर 2430 प्राप्त होता है। वह संख्या ज्ञात कीजिए।

- Ans
- ☐ 1. 4050
 - ☐ 2. 2700
 - ☐ 3. 675
 - ☒ 4. 1350

Q.18 P की वर्तमान आयु का आठ गुना, Q की वर्तमान आयु से 12 वर्ष अधिक है। 8 वर्ष बाद, उस समय Q की आयु का तीन गुना, P की आयु के आठ गुना से 28 वर्ष कम होगा। Q की वर्तमान आयु (वर्षों में) ज्ञात कीजिए।

- Ans
- ☒ 1. 12
 - ☐ 2. 8
 - ☐ 3. 15
 - ☐ 4. 7

Q.19 अभय और भरत किसी निश्चित कार्य को क्रमशः 5 और 15 दिनों में पूरा कर सकते हैं। उन्होंने साथ मिलकर कार्य करना शुरू किया और 2 दिन बाद, भरत ने कार्य छोड़ दिया। अभय शेष कार्य को कितने दिनों में पूरा करेगा?

- Ans
- ☐ 1. $1\frac{1}{3}$
 - ☒ 2. $2\frac{1}{3}$
 - ☐ 3. $4\frac{1}{3}$
 - ☐ 4. $3\frac{1}{3}$

Q.20 संख्या 740705 निम्नलिखित में से किससे विभाज्य है?

- Ans
- ☐ 1. 12
 - ☐ 2. 9
 - ☐ 3. 4
 - ☒ 4. 5

Q.21 महेश ने कुछ शार्पनर ₹150 प्रति दर्जन की दर से खरीदे। उसने उन्हें ₹21 प्रति शार्पनर की दर से बेच दिया। उसका लाभ प्रतिशत _____% है।

- Ans
- ☐ 1. 66
 - ☐ 2. 70
 - ☐ 3. 72
 - ☒ 4. 68

Q.22 एक जैकेट का अंकित मूल्य ₹2,400 है। यदि इसे 20% की छूट पर बेचा जाए, तो विक्रय मूल्य ज्ञात कीजिए।

- Ans
- ☐ 1. ₹1,900
 - ☐ 2. ₹1,980
 - ☒ 3. ₹1,920
 - ☐ 4. ₹2,000

Q.23 उस पांच सदस्य वाले परिवार का औसत वजन ज्ञात कीजिए, जिसके सदस्यों का वजन क्रमशः 40 kg, 49 kg, 56 kg, 73 kg और 37 kg है।

- Ans
- ☐ 1. 52 kg
 - ☐ 2. 53 kg
 - ☒ 3. 51 kg
 - ☐ 4. 50 kg



Q.24 किसी वस्तु को उसके वास्तविक विक्रय मूल्य के $\frac{2}{7}$ पर बेचने पर, मानव को 24% की हानि होती है। यदि वह इस वस्तु को उसके वास्तविक विक्रय मूल्य के 55% पर बेचता है, तो लाभ प्रतिशत ज्ञात कीजिए।

- Ans
- ☐ 1. 48.7%
 - ☐ 2. 46.9%
 - ☐ 3. 47.6%
 - ☒ 4. 46.3%

Q.25 एक वस्तु का अंकित मूल्य ₹280 है। अंकित मूल्य पर 12.5% की छूट दी जाती है तथा 40% का लाभ अर्जित किया जाता है। वस्तु का क्रय मूल्य ज्ञात कीजिए।

- Ans
- ☐ 1. ₹165
 - ☐ 2. ₹180
 - ☒ 3. ₹175
 - ☐ 4. ₹185

Q.26 M and N start a business. M invests ₹43,000 more than N for 6 months and N invests for 7 months. M's share is ₹472 more than that of N, out of a total profit of ₹3,304. Find the capital contributed by M.

- Ans
- ☒ 1. ₹1,20,400
 - ☐ 2. ₹1,20,000
 - ☐ 3. ₹1,20,600
 - ☐ 4. ₹1,21,400

Q.27 किसी बैंक में ₹10,00,000 की धनराशि, वार्षिक रूप से संयोजित होने वाले 11% वार्षिक ब्याज दर पर निवेश की जाती है। परिपक्वता पर, देय धनराशि ₹13,67,631 हो जाती है। निवेश की समयावधि ज्ञात कीजिए।

- Ans
- ☒ 1. 3 वर्ष
 - ☐ 2. 1 वर्ष
 - ☐ 3. 2.5 वर्ष
 - ☐ 4. 3.5 वर्ष

Q.28 A किसी कार्य को 9 दिनों में पूरा कर सकता है और B उसी कार्य को 18 दिनों में पूरा कर सकता है। यदि वे 5 दिनों तक एक साथ कार्य करते हैं, तो कार्य का कितना भाग शेष रह जाएगा?

- Ans
- ☒ 1. $\frac{1}{6}$
 - ☐ 2. $\frac{7}{6}$
 - ☐ 3. $\frac{5}{6}$
 - ☐ 4. $\frac{11}{6}$

Q.29 एक वर्ग का परिमाण 160 m है। इसका क्षेत्रफल (m^2 में) ज्ञात कीजिए।

- Ans
- ☒ 1. 1600
 - ☐ 2. 1588
 - ☐ 3. 1572
 - ☐ 4. 1597



Q.30 निम्नलिखित को सरल कीजिए:
 $2\left(\left(\frac{3}{2}\right)x^2 - 28x + 14\right) - 3(x^2 + 6x - 11)$

- Ans
- ☒ 1. $-74x - 61$
 - ☒ 2. $74x - 61$
 - ☒ 3. $74x + 61$
 - ☒ 4. $-74x + 61$

Section : General Intelligence and Reasoning

Q.1 A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. Only one person sits between A and L when counted from the left of L. K sits third to the right of J. C sits third to the left of B. K sits to the immediate right of C. D is not an immediate neighbour of C. How many people sit between D and L when counted from the right of D?

- Ans
- ☒ 1. Three
 - ☒ 2. Two
 - ☒ 3. Four
 - ☒ 4. One

Q.2 अंग्रेजी वर्णमाला क्रम पर आधारित, निम्नलिखित चार अक्षर-समूहों में से तीन एक निश्चित तरीके से एकसमान हैं और इस प्रकार वे एक ग्रुप बनाते हैं। कौन-सा अक्षर-समूह, उस ग्रुप से संबंधित नहीं है? (नोट: असंगत अक्षर-समूह, व्यंजनों/स्वरों की संख्या या उनकी स्थिति पर आधारित नहीं है।)

- Ans
- ☒ 1. SVR
 - ☒ 2. KNJ
 - ☒ 3. NQM
 - ☒ 4. UXS

Q.3 Each of the digits in the number 36719542 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- Ans
- ☒ 1. None
 - ☒ 2. Two
 - ☒ 3. One
 - ☒ 4. Three

Q.4 दी गई श्रृंखला में प्रश्न-चिन्ह (?) के स्थान पर क्या आएगा?

10 13 19 28 40 ?

- Ans
- ☒ 1. 60
 - ☒ 2. 52
 - ☒ 3. 55
 - ☒ 4. 50

Q.5 यदि '÷' और '-' को परस्पर बदल दिया जाए तथा '×' और '+' को परस्पर बदल दिया जाए, तो निम्नलिखित समीकरण में प्रश्न-चिन्ह (?) के स्थान पर क्या आएगा?
 $93 \times 9 \div 9 - 3 \times 8 + 23 \times 6 \div 3 - 3 \times 2 = ?$

- Ans
- ☒ 1. 235
 - ☒ 2. 274
 - ☒ 3. 290
 - ☒ 4. 266



Q.6 दी गई श्रृंखला में प्रश्न-चिन्ह (?) के स्थान पर क्या आएगा?

90 87 83 78 72 ?

- Ans
- ☐ 1. 63
 - ☐ 2. 67
 - ☐ 3. 66
 - ☒ 4. 65

Q.7 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 3174658, then how many digits will appear more than once in the new number thus formed?

- Ans
- ☐ 1. One
 - ☒ 2. Three
 - ☐ 3. Two
 - ☐ 4. None

Q.8 एक निश्चित कूट भाषा में, 'NOPE' को '6712' और 'NOTE' को '2178' के रूप में कूटबद्ध किया गया है। दी गई कूट भाषा में 'T' के लिए कूट क्या है?

- Ans
- ☐ 1. 7
 - ☒ 2. 8
 - ☐ 3. 1
 - ☐ 4. 6

Q.9 अंग्रेजी वर्णमाला क्रम पर आधारित, एक निश्चित तरीके से CFJP का संबंध FINT से है। उसी तरीके से, ORZF का संबंध RUDJ से है। समान तर्क का अनुसरण करते हुए, दिए गए विकल्पों में से XALR का संबंध किससे है?

- Ans
- ☐ 1. APOI
 - ☒ 2. ADPV
 - ☐ 3. ADVP
 - ☐ 4. POID

Q.10 Manish starts from Point A and drives 9 km towards east. He then takes a right turn, drives 2 km, turns right and drives 4 km. He then takes a right turn and drives 11 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans
- ☐ 1. 9 km towards north
 - ☒ 2. 9 km towards south
 - ☐ 3. 12 km towards east
 - ☐ 4. 12 km towards north

Q.11 Seven people, F, G, H, I, J, K and R, are sitting in a row facing North. Only two people sit between H and R. Only F sits to the right of J. Only one person sits between R and J. G sits at some place to the right of I but at some place to the left of K. Who sits third from the right end of the line?

- Ans
- ☐ 1. I
 - ☐ 2. J
 - ☒ 3. K
 - ☐ 4. G



Q.12 Seven boxes C, D, E, M, N, O and P are kept one over the other but not necessarily in the same order.
O is kept second from the bottom. Only three boxes are kept between O and E. P is kept at one of the positions below O. Only M is kept between E and D. C is kept at one of the positions above E.
How many boxes are kept between P and C?

- Ans
- ☐ 1. One
 - ☐ 2. Three
 - ☒ 3. Five
 - ☐ 4. Four

Q.13 दी गई श्रृंखला में प्रश्न-चिह्न (?) के स्थान पर क्या आएगा?

271 216 172 139 117 ?

- Ans
- ☒ 1. 106
 - ☐ 2. 111
 - ☐ 3. 82
 - ☐ 4. 95

Q.14 This question is based on the five, three-digit numbers given below.
(Left) 285 106 346 349 408 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the third digit of the lowest number?

- Ans
- ☐ 1. 12
 - ☐ 2. 8
 - ☐ 3. 11
 - ☒ 4. 14

Q.15 यदि ‘÷’ और ‘×’ को परस्पर बदल दिया जाए तथा ‘+’ और ‘-’ को परस्पर बदल दिया जाए, तो निम्नलिखित समीकरण में प्रश्न-चिह्न (?) के स्थान पर क्या आएगा?

$38 - 8 \div 2 + 16 \times 8 = ?$

- Ans
- ☒ 1. 52
 - ☐ 2. 54
 - ☐ 3. 55
 - ☐ 4. 53

Q.16 करण अपनी कक्षा में शीर्ष से 27वें स्थान पर तथा नीचे से 16वें स्थान पर है। उसकी कक्षा में कितने विद्यार्थी हैं?

- Ans
- ☐ 1. 41
 - ☐ 2. 44
 - ☒ 3. 42
 - ☐ 4. 43

Q.17 निम्नलिखित में से कौन-सा अक्षर-संख्या समूह दी गई श्रृंखला में प्रश्न-चिह्न (?) के स्थान पर रखे जाने से श्रृंखला तार्किक रूप से पूर्ण हो जाएगी?

A25D E36H I49L M64P ?

- Ans
- ☐ 1. R81U
 - ☐ 2. S81T
 - ☒ 3. Q81T
 - ☐ 4. R81S



Q.18 एक निश्चित तरीके से, TG 21 का संबंध OE 4 से है। उसी तरीके से, LE 18 का संबंध GC 1 से है। समान तर्क का अनुसरण करते हुए, RT 26 का संबंध निम्नलिखित में से किससे है?

- Ans
- ☒ 1. LS 11
 - ☒ 2. LR 11
 - ☒ 3. MR 9
 - ☒ 4. LR 9

Q.19 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some plants are trees.
Some trees are grasses.

Conclusions:

(I) Some plants are grasses.

(II) Some trees are plants.

- Ans
- ☒ 1. Only conclusion (I) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.20 निम्नलिखित में से कौन-सा अक्षर-संख्या समूह दी गई श्रृंखला में प्रश्न-चिह्न (?) के स्थान पर रखे जाने से श्रृंखला तार्किक रूप से पूर्ण हो जाएगी?

WDK 84, BIP 79, GNU 74, LSZ 69, QXE 64, ?

- Ans
- ☒ 1. VCJ 59
 - ☒ 2. VCI 49
 - ☒ 3. VYJ 61
 - ☒ 4. UCJ 59

Q.21 निम्नलिखित संख्या और प्रतीक श्रृंखला का संदर्भ लीजिए नीचे दिए गए प्रश्न का उत्तर दीजिए। गिनती केवल बाएँ से दाएँ की जानी चाहिए।

(बाएँ) 2 @ 2 # * 0 8 μ π 3 σ 1 5 6 9 \$ 4 & 9 β 9 (दाएँ)

ऐसे कितने प्रतीक हैं, जिनके ठीक पहले एक पूर्ण वर्ग संख्या और ठीक बाद में भी एक पूर्ण वर्ग संख्या है?

- Ans
- ☒ 1. पाँच
 - ☒ 2. दो
 - ☒ 3. तीन
 - ☒ 4. एक

Q.22 Person X starts from point A and drives 5 km towards the south. He then takes a left turn, drives 5 km, turns right and drives 5 km. He then takes a right turn and drives 7 km. He then takes a right turn, drives 10 km. He then takes a final right turn and drives 1 km and stops at point B. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90 degrees unless specified)

- Ans
- ☒ 1. 2 km east
 - ☒ 2. 1 km east
 - ☒ 3. 1 km north
 - ☒ 4. 2 km west



Q.23 किसी निश्चित कूट भाषा में, 'FORM' को '4629' के रूप में कूटबद्ध किया जाता है और 'RISE' को '1395' के रूप में कूटबद्ध किया जाता है। दी गई कूट भाषा में 'R' के लिए कूट क्या है?

- Ans
- ☐ 1. 6
 - ☐ 2. 5
 - ☐ 3. 1
 - ☒ 4. 9

Q.24 अंग्रेजी वर्णमाला क्रम के आधार पर, निम्नलिखित चार अक्षर-समूह युग्मों में से तीन एक निश्चित तरीके से एकसमान हैं और इस प्रकार वे एक ग्रुप बनाते हैं। कौन-सा अक्षर-समूह युग्म उस ग्रुप से संबंधित नहीं है? (नोट: असंगत अक्षर-समूह युग्म, उसमें व्यंजनों/स्वरों की संख्या या उनकी स्थिति पर आधारित नहीं है।)

- Ans
- ☐ 1. MQ-PT
 - ☒ 2. NR-OU
 - ☐ 3. IM-LP
 - ☐ 4. EI-HL

Q.25 अंग्रेजी वर्णमाला क्रम पर आधारित, निम्नलिखित चार अक्षर-समूह युग्मों में से तीन एक निश्चित तरीके से समान हैं और इस प्रकार वे एक ग्रुप बनाते हैं। कौन-सा अक्षर-समूह युग्म, उस ग्रुप से संबंधित नहीं है? (नोट: असंगत अक्षर-समूह युग्म, व्यंजनों/स्वरों की संख्या या उनकी स्थिति पर आधारित नहीं है।)

- Ans
- ☐ 1. XN - DK
 - ☐ 2. QG - WD
 - ☐ 3. KA - QX
 - ☒ 4. DS - JO

Q.26 R is the brother of C. C is the sister of A. A is the father of G. G is the son of H. How is R related to H?

- Ans
- ☐ 1. Husband's father
 - ☐ 2. Husband
 - ☐ 3. Brother
 - ☒ 4. Husband's brother

Q.27 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

No Police Officers are Pilots.
All Pilots are Soldiers.

Conclusions:

I. No Soldiers are Police Officers.
II. Some Police Officers are Soldiers.

- Ans
- ☒ 1. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Only conclusion (II) follows.
 - ☐ 3. Both conclusions (I) and (II) follow.
 - ☐ 4. Only conclusion (I) follows.

Q.28 अंग्रेजी वर्णमाला क्रम के आधार पर, एक निश्चित तरीके से RBNE का संबंध VXRA से है। उसी तरह ZTVW का संबंध DPZS से है। समान तर्क का अनुसरण करते हुए HLDO का संबंध निम्नलिखित में से किससे है?

- Ans
- ☒ 1. LHHK
 - ☐ 2. LGFK
 - ☐ 3. MFGJ
 - ☐ 4. KGHL



Q.29 अंशुल अपनी कक्षा में शीर्ष से 38^{वें} स्थान पर तथा नीचे से 34^{वें} स्थान पर है। उसकी कक्षा में कुल कितने विद्यार्थी हैं?

Ans  1. 72

 2. 71

 3. 73

 4. 70

Q.30 उस समुच्चय का चयन करें जिसमें संख्याएँ उसी प्रकार संबंधित हैं जिस प्रकार निम्नलिखित समुच्चयों की संख्याएँ संबंधित हैं।
(नोट: संख्याओं को उनके घटक अंकों में तोड़े बिना, पूर्ण संख्याओं पर संक्रियाएँ की जानी चाहिए।
उदाहरण के लिए 13 लीजिए - 13 पर संक्रियाएँ जैसे 13 में जोड़ना / में से घटाना / के साथ गुणा करना आदि किया जा सकता है। 13 को 1 और 3 में तोड़ना तथा फिर 1 और 3 पर गणितीय संक्रियाएँ करने की अनुमति नहीं है।)

(5, 12, 7)

(22, 30, 8)

Ans  1. (35, 63, 25)

 2. (25, 30, 2)

 3. (18, 24, 3)

 4. (18, 31, 13)





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	09/09/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 The Tropic of Cancer passes through which two northeastern states of India?

- Ans**
- ☒ 1. Nagaland and Mizoram
 - ☒ 2. Tripura and Nagaland
 - ☒ 3. Tripura and Manipur
 - ☒ 4. Tripura and Mizoram

Q.2 Providing immediate assistance during a disaster is classified under which stage of disaster management?

- Ans**
- ☒ 1. Relief response
 - ☒ 2. Prevention
 - ☒ 3. Reconstruction
 - ☒ 4. Preparation

Q.3 The Advocates (Amendment) Bill, 2025, proposed which significant change to the legal profession?

- Ans**
- ☒ 1. Retirement age fixed at 60 for advocates
 - ☒ 2. Dissolution of Bar Council of India structure
 - ☒ 3. Recognising in-house counsel and corporate lawyers as "legal practitioners"
 - ☒ 4. Ban on entry of foreign law firms in India

Q.4 Which of the following is located in the northern part of the Eastern Ghats?

- Ans**
- ☒ 1. Mahendragiri hills
 - ☒ 2. Nilgiri hills
 - ☒ 3. Doddabetta hills
 - ☒ 4. Anaimalai hills

Q.5 Which of the following countries was elected as the President of the African-Asian Rural Development Organization for the Triennium 2025–2027 during its 21st General Session in February 2025?

- Ans**
- ☒ 1. India
 - ☒ 2. Bangladesh
 - ☒ 3. Egypt
 - ☒ 4. Indonesia



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Q.6 Which state / union territory had the highest urbanisation in 2011, as per the Census of India data?

- Ans**
- ✓ 1. Delhi
 - ✗ 2. Meghalaya
 - ✗ 3. Assam
 - ✗ 4. Chandigarh

Q.7 Which Indian state is set to host the country's first AI-centric Special Economic Zone (SEZ)?

- Ans**
- ✗ 1. Maharashtra
 - ✗ 2. Tamil Nadu
 - ✗ 3. Karnataka
 - ✓ 4. Chhattisgarh

Q.8 Which of the following applications can help you NOT to create a file?

- Ans**
- ✗ 1. Paint
 - ✗ 2. Notepad
 - ✗ 3. MS-Word
 - ✓ 4. Windows Explorer

Q.9 The internal energy of gas is the _____.

- Ans**
- ✗ 1. only potential energies of its molecules when the box is at rest
 - ✗ 2. sum of rotational, vibrational and potential energies of its molecules when the box is at rest
 - ✓ 3. sum of kinetic and potential energies of its molecules when the box is at rest
 - ✗ 4. sum of translational, rotational and vibrational energies of its molecules when the box is at rest

Q.10 On which theme did the Reserve Bank of India (RBI) organise a conference for large-sized Non-Banking Financial Companies (NBFCs) in Chennai on 28 March 2025?

- Ans**
- ✓ 1. Shared Vision, Shared Responsibility: Strengthening the NBFCs
 - ✗ 2. Advancing the Digital Disruptions in NBFCs
 - ✗ 3. NBFCs: The Rise of the Indian Economy
 - ✗ 4. The Future of NBFC Unfolds

Q.11 Which Indian author won the Debut category at the KLF Book Awards in 2025 for 'The Many Lives of Syeda X'?

- Ans**
- ✗ 1. Anant Vijay
 - ✗ 2. Rohit Manchanda
 - ✓ 3. Neha Dixit
 - ✗ 4. Gautam Choubey

Q.12 What three-part economic strategy defined India's policy changes in the 1990s?

- Ans**
- ✓ 1. Liberalisation, Privatisation and Globalisation
 - ✗ 2. Urbanisation, Industrialisation and Digitalisation
 - ✗ 3. Nationalisation, Regulation and Protectionism
 - ✗ 4. Devolution, Decentralisation and Deregulation

Q.13 As of April 2025, under which pension scheme do the players who won silver or bronze medal in Asian or Commonwealth Games get a pension of ₹12,000 per month?

- Ans**
- ✗ 1. Panchayat Yuva Krida aur Khel Abhiyan
 - ✗ 2. Retired Sportsperson Empowerment Training Programme
 - ✓ 3. Sports Fund for Pension to Meritorious Sportspersons
 - ✗ 4. Pension to Meritorious Sportspersons



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Q.14 Which legal authority gives statutory status to Lok Adalats in India?

- Ans**
- ☐ 1. The Arbitration and Conciliation Act
 - ☐ 2. The Civil Procedure Code
 - ☐ 3. The Indian Penal Code
 - ☒ 4. The Legal Services Authorities Act

Q.15 Which of the following styles of temple architecture is predominantly found in North India?

- Ans**
- ☒ 1. Nagara
 - ☐ 2. Dravidian
 - ☐ 3. Baroque
 - ☐ 4. Vesara

Q.16 Why is infrastructure referred to as the 'wheels' of economic growth?

- Ans**
- ☐ 1. It is part of international trade.
 - ☐ 2. It supports currency circulation.
 - ☒ 3. It enables delivery of goods, services and access.
 - ☐ 4. It helps in stabilising inflation.

Q.17 Which of the following Directive Principles reflects Gandhian ideology?

- Ans**
- ☐ 1. Equal pay for equal work
 - ☒ 2. Organisation of village panchayats
 - ☐ 3. Uniform civil code
 - ☐ 4. Separation of judiciary from the executive

Q.18 Rajendra Chola I is known for his naval expeditions on the revived Sri Vijaya empire of:

- Ans**
- ☒ 1. Indonesia
 - ☐ 2. Myanmar
 - ☐ 3. Sri Lanka
 - ☐ 4. Cambodia

Q.19 Which of the following events led to the division of the Indian National Congress into Moderates and Extremists in 1907?

- Ans**
- ☒ 1. Surat Session
 - ☐ 2. Arrival of Simon Commission
 - ☐ 3. Partition of Bengal
 - ☐ 4. Formation of Muslim League

Q.20 Which single-window telecom regulator's April 2025 consultation on satellite-based spectrum assignment complements India's 6G backhaul ambitions?

- Ans**
- ☒ 1. TRAI
 - ☐ 2. NIXI
 - ☐ 3. WPC
 - ☐ 4. NIC

Q.21 Which foreign ruler invaded India in 1739, leading to the massacre of Delhi and further weakening the Mughal Empire?

- Ans**
- ☐ 1. Sher Shah
 - ☐ 2. Ahmad Shah Abdali
 - ☒ 3. Nadir Shah
 - ☐ 4. Babur



Q.22 Which constitutional body is empowered to adjudicate legal disputes between the Centre and one or more states in India?

- Ans**
- ☒ 1. Supreme Court of India
 - ☐ 2. Inter-State Council
 - ☐ 3. Election Commission
 - ☐ 4. Finance Commission

Q.23 Human development emphasises enlarging people's choices by improving health, education, and income. Which global organisation publishes the Human Development Index (HDI)?

- Ans**
- ☒ 1. United Nations Development Programme
 - ☐ 2. International Monetary Fund
 - ☐ 3. World Bank
 - ☐ 4. World Economic Forum

Q.24 In May 2025, the central government extended the tenure of Central Bureau of Investigation (CBI) director Praveen Sood for a period of _____.

- Ans**
- ☐ 1. 6 months
 - ☐ 2. 3 months
 - ☐ 3. 2 years
 - ☒ 4. 1 year

Q.25 Who among the following has been re-elected as the President of Ecuador in May 2025?

- Ans**
- ☐ 1. Rafael Correa
 - ☐ 2. Lenín Moreno
 - ☒ 3. Daniel Noboa
 - ☐ 4. Guillermo Lasso

Q.26 Which Amendment is considered a near rewrite of the Constitution and made changes to the Preamble, Schedule VII and 53 Articles?

- Ans**
- ☒ 1. 42nd Amendment
 - ☐ 2. 38th Amendment
 - ☐ 3. 44th Amendment
 - ☐ 4. 86th Amendment

Q.27 Public health programmes enhance access to life-saving interventions and services. Which scheme aims to provide free health coverage to 50 crore beneficiaries in India?

- Ans**
- ☒ 1. Ayushman Bharat - PMJAY
 - ☐ 2. PM-KISAN
 - ☐ 3. National Rural Health Mission
 - ☐ 4. Ujjwala Yojana

Q.28 Sand dunes that form long ridges parallel to the coastline are most common _____.

- Ans**
- ☒ 1. along low sedimentary coasts
 - ☐ 2. in estuarine regions only
 - ☐ 3. along high rocky coasts
 - ☐ 4. along tectonic plate boundaries



Q.29 Which of the following institutes launched Bharat Cancer Genome Atlas in February 2025?

- Ans**
- ☐ 1. Indian Institute of Technology, Bombay
 - ☐ 2. Indian Institute of Technology, Gandhinagar
 - ☒ 3. Indian Institute of Technology, Madras
 - ☐ 4. Indian Institute of Technology, Delhi

Q.30 What is the direction of frictional force?

- Ans**
- ☐ 1. Along the normal to the contact surface
 - ☒ 2. Opposite to the direction of relative motion
 - ☐ 3. Perpendicular to the motion
 - ☐ 4. Same as the direction of applied force

Q.31 Which of the following major events followed the death of Potti Sreeramulu?

- Ans**
- ☐ 1. Creation of linguistic minorities commission
 - ☒ 2. Appointment of the States Reorganisation Commission
 - ☐ 3. Formation of the Planning Commission
 - ☐ 4. Formation of the Election Commission

Q.32 This freedom fighter did not share Gandhi's ideal of 'ahimsa' and 'satyagraha'. In 1941, he left his Calcutta home to Singapore via Germany and raised the Indian National Army. The leader in question is:

- Ans**
- ☒ 1. Subhash Chandra Bose
 - ☐ 2. Mohan Singh
 - ☐ 3. Jawaharlal Nehru
 - ☐ 4. Captain Laxmi

Q.33 Which Article of the Constitution of India deals with the post of the Governor?

- Ans**
- ☐ 1. Article 74
 - ☐ 2. Article 63
 - ☐ 3. Article 112
 - ☒ 4. Article 153

Q.34 Which Indian state hosted the International Millet Conference, 2025, to promote millet farming and trade?

- Ans**
- ☐ 1. Rajasthan
 - ☐ 2. Telangana
 - ☒ 3. Karnataka
 - ☐ 4. Odisha

Q.35 Which of the following is used to access programs, files and settings in Windows 7?

- Ans**
- ☐ 1. Taskbar
 - ☒ 2. Start Button
 - ☐ 3. Control Panel
 - ☐ 4. Notification Area

Q.36 Wet farming is least likely to be found among which the following Indian states?

- Ans**
- ☒ 1. Haryana
 - ☐ 2. Assam
 - ☐ 3. Manipur
 - ☐ 4. Tripura



Q.37 What is the name of the ancient Indian text on dramaturgy and theatre?

- Ans**
- ☐ 1. Arthashastra
 - ☐ 2. Manusmriti
 - ☐ 3. Rigveda
 - ☒ 4. Natya Shastra

Q.38 According to the Inter-Services Organisations (Command, Control and Discipline) Act, 2023—effective from May 2025—unified command authority has been granted over personnel from which branches of the Indian Armed Forces?

- Ans**
- ☐ 1. Navy and Air Force
 - ☐ 2. Army and Navy
 - ☐ 3. Army and Coast Guard
 - ☒ 4. Army, Navy, and Air Force

Q.39 The critical angle for diamond is approximately _____.

- Ans**
- ☐ 1. 45°
 - ☒ 2. 24.4°
 - ☐ 3. 60°
 - ☐ 4. 31.8°

Q.40 In which of the following states did the Defence Research and Development Organisation (DRDO) conduct the maiden flight-trials of the Stratospheric Airship Platform in May 2025?

- Ans**
- ☐ 1. Odisha
 - ☐ 2. Karnataka
 - ☐ 3. Punjab
 - ☒ 4. Madhya Pradesh

Section : Mathematics

Q.1 In covering a distance of 162 km, Anmol takes 3 hours more than Nikhil. If Anmol doubles his speed, then he would take 6 hours less than Nikhil. Anmol's speed is:

- Ans**
- ☒ 1. 9 km/hr
 - ☐ 2. 3 km/hr
 - ☐ 3. 5 km/hr
 - ☐ 4. 4 km/hr

Q.2 Given that $17^{0.24} = x$, $17^{0.51} = y$ and $x^z = y^4$, then the value of z is close to:

- Ans**
- ☒ 1. 8.5
 - ☐ 2. 8.9
 - ☐ 3. 10.44
 - ☐ 4. 8.58

Q.3 What is the median of the following data?

24, 30, 40, 80, 15, 57, 78, 82, 39, 97, 82

- Ans**
- ☒ 1. 57
 - ☐ 2. 58
 - ☐ 3. 56.5
 - ☐ 4. 57.5



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Q.4 If the longest diagonal of a cube measures 15 cm, then what is the total surface area (in sq. cm) of the cube?

- Ans
- ☐ 1. 540 sq.cm
 - ☐ 2. $180\sqrt{3}$ sq.cm
 - ☒ 3. 450 sq.cm
 - ☐ 4. 337.50 sq.cm

Q.5 In a store, the price of a bicycle is ₹4,300, with a trade discount of 12%. What is the amount of the discount?

- Ans
- ☐ 1. ₹548
 - ☐ 2. ₹524
 - ☐ 3. ₹486
 - ☒ 4. ₹516

Q.6 The current population of a town is 16,362. It increases by 25% and 60% in two successive years but decreases by 50% in the third year. What is the population of the town at the end of the third year?

- Ans
- ☐ 1. 16,363
 - ☒ 2. 16,362
 - ☐ 3. 16,358
 - ☐ 4. 16,360

Q.7 Arun bought some pencils at the rate of ₹180 a dozen. He sold them for ₹18 each. His profit percentage is ____%.

- Ans
- ☒ 1. 20
 - ☐ 2. 18
 - ☐ 3. 22
 - ☐ 4. 24

Q.8 An amount of ₹552 is divided among three persons in the ratio of 19 : 11 : 18. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans
- ☐ 1. 5
 - ☐ 2. 105
 - ☒ 3. 92
 - ☐ 4. 12

Q.9 If $X = \frac{\sin^2\theta}{1 + \cos\theta} - \frac{\sin\theta}{\cot\theta - \operatorname{cosec}\theta}$, then the value of $(X - 1)$ is:

- Ans
- ☐ 1. $\cos^2\theta - \cot^2\theta$
 - ☐ 2. $\operatorname{cosec}^2\theta + \cot^2\theta$
 - ☒ 3. $\sec^2\theta - \tan^2\theta$
 - ☐ 4. $\sin^2\theta + \tan^2\theta$

Q.10 The value of $(3^0 + 3^{-2} + 3^{-1}) \times 27$ is _____.

- Ans
- ☒ 1. 39
 - ☐ 2. 3
 - ☐ 3. 23
 - ☐ 4. 32



Q.11 If the radius of the base of a right circular cylinder is decreased by 19% and its height is increased by 102%, then what is the percentage increase (closest integer) in its volume?

- Ans**
- ☐ 1. 12%
 - ☒ 2. 33%
 - ☐ 3. 26%
 - ☐ 4. 14%

Q.12 A TV is listed at ₹80,000. A customer can either avail of a single discount of 28% or two successive discounts of 20% and 10%. Which discount option is better, and what is the monetary difference?

- Ans**
- ☒ 1. Both the discount are the same ; ₹0
 - ☐ 2. Single discount of 28% ; ₹1,500
 - ☐ 3. Two successive discounts of 20% and 10% ; ₹1,600
 - ☐ 4. Single discount of 28% ; ₹1,005

Q.13 Which of the following ratios is the greatest?

- Ans**
- ☐ 1. 38 : 83
 - ☐ 2. 35 : 77
 - ☐ 3. 47 : 67
 - ☒ 4. 50 : 62

Q.14 A can do a work in 12 days and B can do the same work in 21 days. If they work on it together for 3 days, then what fraction of the work is left?

- Ans**
- ☐ 1. $\frac{25}{28}$
 - ☐ 2. $\frac{15}{28}$
 - ☒ 3. $\frac{17}{28}$
 - ☐ 4. $\frac{27}{28}$

Q.15 The average of first 166 even numbers is

- Ans**
- ☐ 1. 168
 - ☒ 2. 167
 - ☐ 3. 166.5
 - ☐ 4. 167.5

Q.16 The value of $2^2 + \sqrt{8^2} - 3\sqrt{100} - 19$ is

- Ans**
- ☐ 1. -44
 - ☒ 2. -37
 - ☐ 3. -45
 - ☐ 4. -28

Q.17 The sum of two numbers is 84 and their L.C.M. is 245. What are the two numbers?

- Ans**
- ☒ 1. 49, 35
 - ☐ 2. 42, 42
 - ☐ 3. 54, 30
 - ☐ 4. 47, 37



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Q.18

Simplify: $4\left(\left(\frac{5}{4}\right)x^2 - 25x + 19\right) - 5(x^2 + 5x - 14)$.

- Ans
- ☒ 1. $-125x - 146$
 - ☒ 2. $-125x + 146$
 - ☒ 3. $125x + 146$
 - ☒ 4. $125x - 146$

Q.19 ₹87,400 were divided among A, B and C, such that 4 times the share of A = 9 times the share of B = 3 times the share of C. Find the share of A.

- Ans
- ☒ 1. ₹31,464
 - ☒ 2. ₹31,278
 - ☒ 3. ₹31,552
 - ☒ 4. ₹31,576

Q.20 A man goes to Nagpur from Visakhapatnam at a speed of 24 km/hr and returns to Visakhapatnam at speed of 40 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans
- ☒ 1. 25
 - ☒ 2. 28
 - ☒ 3. 29
 - ☒ 4. 30

Q.21 Three pieces of timber that are 187 m, 102 m and 255 m long have to be divided into planks of the same length. What is the greatest possible length (in metres) of each plank?

- Ans
- ☒ 1. 17
 - ☒ 2. 19
 - ☒ 3. 11
 - ☒ 4. 13

Q.22 Four times the present age of P exceeds the present age of Q by 46 years. After 7 years, three times Q's age will be 41 years less than seven times P's age at that time. What is the present age (in years) of Q?

- Ans
- ☒ 1. 53
 - ☒ 2. 56
 - ☒ 3. 54
 - ☒ 4. 64

Q.23 What sum of money (in ₹) will amount to ₹2,160 at 5% per annum simple interest in 5 years?

- Ans
- ☒ 1. ₹1,728
 - ☒ 2. ₹8,640
 - ☒ 3. ₹1,678
 - ☒ 4. ₹1,778

Q.24 The value of $\sqrt{196} + \sqrt{0.0256} - \sqrt{7.29}$ is ____.

- Ans
- ☒ 1. 9.2
 - ☒ 2. 11.46
 - ☒ 3. 12.2
 - ☒ 4. 8.11



Q.25 The product of two positive numbers is 11045. If the first number is five times the second number, then the sum of the two numbers is:

- Ans**
- ☒ 1. 289
 - ☒ 2. 282
 - ☒ 3. 291
 - ☒ 4. 295

Q.26 A number, when increased by 60%, gives 3630. The number is:

- Ans**
- ☒ 1. 1134.375
 - ☒ 2. 6806.25
 - ☒ 3. 2268.75
 - ☒ 4. 4537.5

Q.27 A sum of money triples itself at a certain rate of compound interest in 12 years. In how many years will it amount to 27 times of itself?

- Ans**
- ☒ 1. 33 years
 - ☒ 2. 36 years
 - ☒ 3. 46 years
 - ☒ 4. 41 years

Q.28 By selling an article at $\frac{4}{13}$ of its actual selling price, Hitesh incurs a loss of 22%. If he sells it at 60% of its actual selling price, then the profit percentage is:

- Ans**
- ☒ 1. 52.1%
 - ☒ 2. 54.5%
 - ☒ 3. 53.9%
 - ☒ 4. 54.2%

Q.29 Let A and B be two regular polygons. The sum of the interior angles of A is 1260° . Each interior angle of B exceeds its exterior angle by 90° . Find the sum of the number of sides of A and B.

- Ans**
- ☒ 1. 15
 - ☒ 2. 17
 - ☒ 3. 18
 - ☒ 4. 19

Q.30 Pipe P can fill $\frac{2}{9}$ part of a tank in 20 hours, and pipe Q can fill $\frac{2}{5}$ part of the same tank in 18 hours.

Both P and Q were kept open for 3 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 4 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans**
- ☒ 1. 100 hours
 - ☒ 2. 120 hours
 - ☒ 3. 101 hours
 - ☒ 4. 134 hours

Section : General Intelligence and Reasoning

Q.1 AQWE is related to FVBJ in a certain way based on the English alphabetical order. In the same way, UKQY is related to ZPVD. To which of the following is JZFN related, following the same logic?

- Ans**
- ☒ 1. OEKS
 - ☒ 2. OKIU
 - ☒ 3. KIOP
 - ☒ 4. OKIT



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Q.2 OWLS is related to TRPO in a certain way based on the English alphabetical order. In the same way, YMTK is related to DHXG. To which of the following is ICBC related, following the same logic?

- Ans**
- ☒ 1. OWGX
 - ☒ 2. NXFY
 - ☒ 3. NWEX
 - ☒ 4. MYEZ

Q.3 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. WA - SF
 - ☒ 2. DY - ZD
 - ☒ 3. ZG - VL
 - ☒ 4. ME - HJ

Q.4 If 1 is added for each odd digit and 1 is subtracted from each even digit of the number 86435621, how many digits are repeated more than once in the new number formed?

- Ans**
- ☒ 1. None
 - ☒ 2. One
 - ☒ 3. More than two
 - ☒ 4. Two

Q.5 Each of the digits in the number 6243514 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

- Ans**
- ☒ 1. 7
 - ☒ 2. 5
 - ☒ 3. 8
 - ☒ 4. 6

Q.6 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

45, 165
21, 141

- Ans**
- ☒ 1. 25, 155
 - ☒ 2. 38, 158
 - ☒ 3. 12, 122
 - ☒ 4. 32, 162

Q.7 If 2 is added to each even digit and 3 is subtracted from each odd digit in the number 6325497, what will be the sum of the greatest and smallest digit in the number thus formed?

- Ans**
- ☒ 1. 6
 - ☒ 2. 10
 - ☒ 3. 8
 - ☒ 4. 12



Q.8 Aditya ranked 19th from the top and 29th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 46
 - ☐ 2. 48
 - ☒ 3. 47
 - ☐ 4. 49

Q.9 A is the mother of G. G is the father of D. D is the son of T. Y is the father of T. How is A related to Y?

- Ans**
- ☐ 1. Daughter's husband's sister
 - ☐ 2. Husband's mother
 - ☐ 3. Husband's sister
 - ☒ 4. Daughter's husband's mother

Q.10 What should come in place of the question mark (?) in the given series?

9 25 50 82 123 ?

- Ans**
- ☐ 1. 117
 - ☐ 2. 127
 - ☒ 3. 171
 - ☐ 4. 172

Q.11 In a certain code language, 'BEST' is coded as '5237' and 'SINK' is coded as '6142'. What is the code for 'S' in the given code language?

- Ans**
- ☐ 1. 6
 - ☒ 2. 2
 - ☐ 3. 3
 - ☐ 4. 4

Q.12 Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. No one sits to the left of O. Only four people sit between O and I. Only three people sit to the right of K. J sits to the immediate left of N. L is not an immediate neighbour of K. Who sits at the rightmost end of the line?

- Ans**
- ☒ 1. L
 - ☐ 2. I
 - ☐ 3. K
 - ☐ 4. N

Q.13 XSLE is related to AWOI in a certain way based on the English alphabetical order. In the same way, JIXU is related to MMAY. To which of the following options is SUGG related, following the same logic?

- Ans**
- ☒ 1. VYJK
 - ☐ 2. VIKU
 - ☐ 3. VJKU
 - ☐ 4. VYKI



Q.14 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) 9 & # 3 % £ 4 7 & 2 \$ * 5 Ω 6 1 @ 8 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another number?

- Ans**
- ☐ 1. None
 - ☒ 2. More than two
 - ☐ 3. Two
 - ☐ 4. One

Q.15 In a certain code language, 'WANT' is coded as '3517' and 'TIDE' is coded as '2146'.
What is the code for 'T' in the given code language?

- Ans**
- ☒ 1. 1
 - ☐ 2. 5
 - ☐ 3. 2
 - ☐ 4. 6

Q.16 What should come in place of the question mark (?) in the given series?
97, 101, 110, 126, 151, ?

- Ans**
- ☐ 1. 178
 - ☐ 2. 186
 - ☐ 3. 185
 - ☒ 4. 187

Q.17 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

WGO GRA QCM ANY ?

- Ans**
- ☐ 1. KUK
 - ☐ 2. YKK
 - ☒ 3. KYK
 - ☐ 4. KKY

Q.18 Manoj starts from Point A and drives 11 km towards the south. He then takes a right turn and drives 7 km, then turns right and drives 13 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ 1. 4 km to the west
 - ☐ 2. 5 km to the east
 - ☒ 3. 5 km to the west
 - ☐ 4. 4 km to the east

Q.19 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. TWZ
 - ☒ 2. LQR
 - ☐ 3. YBE
 - ☐ 4. PSV



Q.20 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All chairs are papers.
No chair is a desk.

Conclusions:

(I): No paper is a desk.

(II): All papers are chairs.

Ans  1. Only Conclusion II follows

 2. Neither Conclusion I nor II follows

 3. Both Conclusions I and II follow

 4. Only Conclusion I follows

Q.21 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 6531874, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

Ans  1. 15

 2. 16

 3. 14

 4. 12

Q.22 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.
(Note: All numbers are single digit numbers only.)

(Left) @ 8 < 8 @ < 3 ^ # + \$ 6 2 ^ 1 ^ > \$ (Right)

If all the numbers are dropped from the series, which of the following will be seventh from the left?

Ans  1. #

 2. >

 3. @

 4. +

Q.23 What should come in place of ? in the given series based on the English alphabetical order?

RTM PRK NPI LNG ?

Ans  1. JKF

 2. JLF

 3. JLE

 4. JKE

Q.24 Jwalith starts from Point Y and drives 25 km towards south. He then takes a left turn, drives 10 km. He then turns left and drives 25 km. He takes a final left turn, drives 7 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified)

Ans  1. 3 km towards west

 2. 6 km towards east

 3. 25 km towards south

 4. 7 km towards north



Q.25 Six people, A, B, C, D, E and F are sitting in a row, facing the north. Only two people are sitting to the right of C. A is sitting second to the left of D. B is sitting to the immediate right of A. F is sitting second to the right of D. Who is sitting second to the left of E?

- Ans
- ☐ 1. A
 - ☐ 2. D
 - ☐ 3. F
 - ☒ 4. C

Q.26 All 93 students in a class are standing in a row facing north. Veer is 48th from the right end while Kabir is 33rd from the left end. How many people stand between Veer and Kabir?

- Ans
- ☐ 1. 11
 - ☒ 2. 12
 - ☐ 3. 14
 - ☐ 4. 13

Q.27 Seven boxes R, S, T, U, V, W and Z are kept one over the other, but not necessarily in the same order. Z is kept immediately above S. V is kept immediately above T. Only U is kept above W. Only two boxes are kept above Z. V is not kept at the third position from the bottom. How many boxes are kept between R and U?

- Ans
- ☐ 1. One
 - ☐ 2. Two
 - ☐ 3. Four
 - ☒ 4. Three

Q.28 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. HF-DB
 - ☐ 2. DB-ZX
 - ☐ 3. VT-RP
 - ☒ 4. OM-JK

Q.29 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All pins are bugs. All pins are rulers.

Conclusions (I): Some bugs are rulers.

Conclusions (II): All rulers are pins.

- Ans
- ☐ 1. Only conclusion (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☒ 3. Only conclusion (I) follows.
 - ☐ 4. Neither conclusion (I) nor (II) follows.

Q.30 What should come in place of the question mark (?) in the given series?

1091 1092 1096 1105 1121 ?

- Ans
- ☒ 1. 1146
 - ☐ 2. 1136
 - ☐ 3. 1131
 - ☐ 4. 1141





रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	09/09/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

*** Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 What was the Extremists' method to resist British policies apart from agitation and boycott?

- Ans**
- ☒ 1. Passive resistance
 - ☐ 2. Cultural assimilation
 - ☐ 3. Petitioning Parliament
 - ☐ 4. Armed rebellion

Q.2 The Kyoto Protocol is related to (the) ____.

- Ans**
- ☐ 1. desertification control
 - ☐ 2. protection of ozone layer
 - ☐ 3. preservation of wildlife
 - ☒ 4. reduction of greenhouse gas emissions

Q.3 Which of the following is an example of secondary memory?

- Ans**
- ☐ 1. RAM
 - ☐ 2. ROM
 - ☐ 3. Cache Memory
 - ☒ 4. Hard Disk

Q.4 Where was INIOCHOS-25, the multinational air exercise hosted by the Hellenic Air Force, conducted?

- Ans**
- ☐ 1. Bulgaria
 - ☐ 2. Macedonia
 - ☐ 3. Albania
 - ☒ 4. Greece

Q.5 The World Happiness Report, 2025, ranked which of following countries as the happiest in the world for the seventh consecutive year?

- Ans**
- ☒ 1. Finland
 - ☐ 2. Denmark
 - ☐ 3. Switzerland
 - ☐ 4. Iceland



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Q.6 Which ministry introduced the Drugs and Cosmetics (Compounding of Offences) Rules, 2025, to streamline minor offence resolution?

- Ans**
- ✓ 1. Ministry of Health and Family Welfare
 - ✗ 2. Ministry of Chemicals and Fertilizers
 - ✗ 3. Ministry of Consumer Affairs, Food and Public Distribution
 - ✗ 4. Ministry of Pharmaceuticals

Q.7 What is the term for India's mainstream Hindi-language film industry?

- Ans**
- ✗ 1. Tollywood
 - ✗ 2. Kollywood
 - ✓ 3. Bollywood
 - ✗ 4. Mollywood

Q.8 The artistic and architectural style evident in the Bagh Caves of Madhya Pradesh, India, is predominantly associated with which of the following faiths?

- Ans**
- ✗ 1. Islam
 - ✗ 2. Hinduism
 - ✓ 3. Buddhism
 - ✗ 4. Jainism

Q.9 Who received the Football Writers' Association (FWA) Women's Footballer of the Year award for the 2024-25 season?

- Ans**
- ✓ 1. Alessia Russo
 - ✗ 2. Lauren James
 - ✗ 3. Mariona Caldentey
 - ✗ 4. Khadija Shaw

Q.10 To align with modern industrial practices, which new order did the Central Government introduce in 2025 to replace the Sugar (Control) Order, 1966?

- Ans**
- ✓ 1. The Sugar (Control) Order, 2025
 - ✗ 2. The Sugar (Trade and Export) Order, 2025
 - ✗ 3. The Sugar (Production and Supply) Order, 2025
 - ✗ 4. The Sugar (Monitoring and Pricing) Order, 2025

Q.11 What is the nature of the Concurrent List in the Indian Constitution?

- Ans**
- ✗ 1. Exclusively for States
 - ✗ 2. Exclusively for Union
 - ✓ 3. Both the Centre and the States can legislate
 - ✗ 4. Only during emergencies

Q.12 What was the major aim of India's 1991 economic reforms?

- Ans**
- ✗ 1. To reduce taxes on luxury goods
 - ✓ 2. To stabilise India's economy
 - ✗ 3. To nationalise all companies
 - ✗ 4. To increase government control

Q.13 Airports play a vital role in improving regional connectivity. Which scheme promotes affordable air travel to under-served and unserved airports?

- Ans**
- ✗ 1. UDAY
 - ✗ 2. PM Gati Shakti
 - ✗ 3. Sagarmala
 - ✓ 4. UDAN



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Q.14 Which type of Municipality is formed for a transitional area under Article 243Q of the Indian Constitution?

- Ans**
- ☒ 1. Nagar Panchayat
 - ☐ 2. Town Panchayat
 - ☐ 3. Municipal Council
 - ☐ 4. Municipal Corporation

Q.15 Which of the following options explains the variation in temperature between coastal and interior parts of India?

- Ans**
- ☐ 1. Altitude
 - ☒ 2. Continentality
 - ☐ 3. Pressure belts
 - ☐ 4. Latitude

Q.16 Which value has three significant figures?

- Ans**
- ☐ 1. 0.0056
 - ☒ 2. 23.0
 - ☐ 3. 1.620
 - ☐ 4. 287.50

Q.17 The primary purpose of the cache memory is to:

- Ans**
- ☒ 1. increase the speed of data retrieval
 - ☐ 2. store data permanently
 - ☐ 3. store data for later use
 - ☐ 4. display images on screen

Q.18 Tertiary activities are also known as the:

- Ans**
- ☒ 1. service sector
 - ☐ 2. health sector
 - ☐ 3. industrial sector
 - ☐ 4. agricultural sector

Q.19 The 18th Pravasi Bharatiya Divas Convention (PBD) 2025 was held in which month of 2025 in Bhubaneswar?

- Ans**
- ☐ 1. March
 - ☐ 2. February
 - ☐ 3. April
 - ☒ 4. January

Q.20 Which of the following factors has least contributed to rural distress in India?

- Ans**
- ☐ 1. Fragmentation of land holdings
 - ☐ 2. Declining productivity of rainfed agriculture
 - ☒ 3. High rural literacy levels
 - ☐ 4. Post-harvest infrastructure shortages

Q.21 Which Article gives the President of India the power to grant pardons and reprieves?

- Ans**
- ☒ 1. Article 72
 - ☐ 2. Article 76
 - ☐ 3. Article 74
 - ☐ 4. Article 75



Q.22 On which of the following states of India did Siraj-ud- Daula, Mir Jafar and Mir Qasim rule in the 18th century?

- Ans**
- ☒ 1. Bengal
 - ☐ 2. Andhra
 - ☐ 3. Gujarat
 - ☐ 4. Kerala

Q.23 Which pair acts as a conjugate acid–base pair?

- Ans**
- ☐ 1. Cl_2 and Cl^-
 - ☐ 2. NaOH and OH^-
 - ☐ 3. H_2O and HCl
 - ☒ 4. NH_4^+ and NH_3

Q.24 What is the eligibility criteria for the beneficiaries of the Prime Minister Employment Generation Programme (PMEGP) for projects costing above ₹10 lakh in the manufacturing sector and above ₹5 lakh in the business/service sector?

- Ans**
- ☐ 1. At least X standard pass
 - ☒ 2. At least VIII standard pass
 - ☐ 3. At least XII standard pass
 - ☐ 4. At least V standard pass

Q.25 John Dramani Mahama has been sworn in as the President of which country in January 2025?

- Ans**
- ☐ 1. Morocco
 - ☒ 2. Ghana
 - ☐ 3. South Africa
 - ☐ 4. Kenya

Q.26 Who among the following launched the AIKosha in 2025?

- Ans**
- ☐ 1. Union Minister for Finance
 - ☐ 2. Union Minister for Health & Family Welfare
 - ☐ 3. Union Minister for Defence
 - ☒ 4. Union Minister for Electronics & Information Technology

Q.27 In India, how many sessions of Parliament are held in a year?

- Ans**
- ☒ 1. Three
 - ☐ 2. One
 - ☐ 3. Six
 - ☐ 4. Two

Q.28 The AI-powered handheld X-ray devices deployed in Uttar Pradesh for TB detection have been designed to interpret which rapid diagnostic assay?

- Ans**
- ☐ 1. LAMP-TB
 - ☐ 2. CB-NAAT
 - ☒ 3. Truenat
 - ☐ 4. Line Probe Assay

Q.29 As in May 2025, who was the Secretary, Department of Atomic Energy (DAE) & Chairman, Atomic Energy Commission (AEC)?

- Ans**
- ☒ 1. Ajit Kumar Mohanty
 - ☐ 2. Sekhar Basu
 - ☐ 3. KN Vyas
 - ☐ 4. Ratan Kumar Sinha



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Q.30 Who among the following Delhi Sultans controlled the prices of food; horses, ponies, cattle and slaves; cloth and fruit; and articles for domestic consumption and personal use?

- Ans**
- ☒ 1. Alauddin Khalji
 - ☐ 2. Ghiyasuddin Tughluq
 - ☐ 3. Ghiyasuddin Balban
 - ☐ 4. Khizr Khan

Q.31 In April 2025, which Indian opposition leader discussed concerns about democratic backsliding in a 2025 event at Brown University?

- Ans**
- ☐ 1. Mamata Banerjee
 - ☐ 2. Sharad Pawar
 - ☒ 3. Rahul Gandhi
 - ☐ 4. Arvind Kejriwal

Q.32 Which of the following mass movements occurs when saturated soil and debris flow down a slope during heavy rainfall?

- Ans**
- ☐ 1. Avalanche
 - ☒ 2. Mudflow
 - ☐ 3. Soil creep
 - ☐ 4. Rockfall

Q.33 The Sannyasi-Fakir Rebellion commenced in the second half of which of the following centuries?

- Ans**
- ☐ 1. 19th
 - ☐ 2. 16th
 - ☐ 3. 17th
 - ☒ 4. 18th

Q.34 Which of the following duties was added by the Constitution (Eighty-sixth Amendment) Act, 2002?

- Ans**
- ☐ 1. To develop a scientific temper
 - ☐ 2. To uphold and protect national unity
 - ☐ 3. To protect the environment
 - ☒ 4. To provide education to children aged six to fourteen years

Q.35 To resolve peace following the riots that followed the Partition, the 'Delhi Pact' was signed between the Indian Prime Minister, Jawaharlal Nehru, and the Pakistan Prime Minister, _____.

- Ans**
- ☐ 1. Muhammad Ali Jinnah
 - ☐ 2. Malik Firoz Khan Noon
 - ☒ 3. Liaquat Ali Khan
 - ☐ 4. Benazir Bhutto

Q.36 Why are tribal settlements usually located in remote and forested areas of India?

- Ans**
- ☐ 1. Because they are not allowed to enter cities
 - ☒ 2. Because forests provide natural resources and livelihood
 - ☐ 3. Due to easy access to modern infrastructure
 - ☐ 4. Because government policies force them to live there



Q.37 What type of rocks mainly compose the Peninsular Plateau of India?

- Ans**
- ☐ 1. Recent volcanic lava deposits from plate margins
 - ☐ 2. Layers of limestone and sandstone from marine origin
 - ☒ 3. Old crystalline, igneous and metamorphic rocks
 - ☐ 4. Young sedimentary rocks formed in coastal plains

Q.38 When did John Dalton publish his atomic theory that holds that all elements are made up of tiny, indivisible particles?

- Ans**
- ☒ 1. 1808
 - ☐ 2. 1798
 - ☐ 3. 1803
 - ☐ 4. 1800

Q.39 Where was India's first solar-powered airport terminal inaugurated in early 2025?

- Ans**
- ☐ 1. Dehradun
 - ☐ 2. Bhubaneswar
 - ☒ 3. Kerala
 - ☐ 4. Goa

Q.40 In June 2025, Garden Reach Shipbuilders & Engineers Limited (GRSE) signed an MoU with Norway's Kongsberg to build India's first vessel in which category?

- Ans**
- ☐ 1. Aircraft carrier
 - ☐ 2. Deep-submergence rescue vessel
 - ☒ 3. Polar research vessel
 - ☐ 4. Hospital ship

Section : Mathematics

Q.1 8 years ago, the age of a father was 11 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans**
- ☒ 1. 3
 - ☐ 2. 7
 - ☐ 3. 4
 - ☐ 4. 2

Q.2 Find the simple interest (in ₹) if a sum of ₹400 is borrowed for 6.5 years at 4% per annum rate of interest.

- Ans**
- ☐ 1. 154
 - ☐ 2. 84
 - ☐ 3. 204
 - ☒ 4. 104

Q.3 9 men can complete a piece of work in 16 days, while 5 women can do it in 18 days. In how many days can 2 women and 4 men complete the work?

- Ans**
- ☐ 1. 18 days
 - ☐ 2. 16 days
 - ☐ 3. 15 days
 - ☒ 4. 20 days



Q.4 The current population of a town is 15,250. It increases by 25% and 60% in two successive years but decreases by 57% in the third year. What is the population of the town at the end of the third year?

- Ans**
- ☒ 1. 13,115
 - ☐ 2. 13,118
 - ☐ 3. 13,110
 - ☐ 4. 13,111

Q.5 The value of $\frac{2}{5} + \left(\frac{1}{1 + \frac{4}{9}} \right) - \frac{4}{5}$ is

- Ans**
- ☒ 1. $\frac{19}{65}$
 - ☐ 2. $\frac{20}{73}$
 - ☐ 3. $\frac{24}{67}$
 - ☐ 4. $\frac{12}{59}$

Q.6 If the interest earned during the 2nd year on a certain sum is ₹5,916, and the rate of interest is 20% per annum compounded annually, then the sum is:

- Ans**
- ☒ 1. ₹24,650
 - ☐ 2. ₹23,995
 - ☐ 3. ₹24,870
 - ☐ 4. ₹25,540

Q.7 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 55^\circ$. E is a point on BC such that $\angle CAE = 56^\circ$. What is the measure of $\angle AEB$?

- Ans**
- ☐ 1. 88°
 - ☐ 2. 90°
 - ☐ 3. 85°
 - ☒ 4. 91°

Q.8 If the radius of a sphere is halved, then find the ratio of volume of the original sphere with that of the new sphere.

- Ans**
- ☐ 1. 4 : 1
 - ☒ 2. 8 : 1
 - ☐ 3. 16 : 1
 - ☐ 4. 2 : 1

Q.9 Zeeshan travels 364 km at 91 km/hr, the next 441 km at 63 km/hr and the next 648 km at 81 km/hr. What is his average speed (in km/hr) for the whole journey? (Round off your answer to two decimal places)

- Ans**
- ☒ 1. 76.47
 - ☐ 2. 69.95
 - ☐ 3. 72.94
 - ☐ 4. 79.14



Q.10 Given that $73^{0.51} = x$, $73^{0.73} = y$ and $x^z = y^{10}$, then the value of z is close to:

- Ans
- ☐ 1. 14.22
 - ☐ 2. 13.77
 - ☒ 3. 14.31
 - ☐ 4. 16.92

Q.11 The LCM of the numbers 3.9 and 0.169 is:

- Ans
- ☐ 1. 5.07
 - ☐ 2. 507
 - ☐ 3. 0.507
 - ☒ 4. 50.7

Q.12 Find the value of $\frac{1}{\sec^2 A} + \frac{1}{1 + \cot^2 A}$.

- Ans
- ☐ 1. 0
 - ☒ 2. 1
 - ☐ 3. $\tan^2 A$
 - ☐ 4. $\frac{1}{2}$

Q.13 A can lay railway track between two given stations in 17 days and B can do the same job in 12 days. With the help of C, they did the job in 2 days only. Then, C alone can do the job in

- Ans
- ☐ 1. $7\frac{58}{73}$ days
 - ☐ 2. $10\frac{58}{73}$ days
 - ☐ 3. $6\frac{58}{73}$ days
 - ☒ 4. $2\frac{58}{73}$ days

Q.14 Find the difference between a discount of 32% on an item marked for ₹1,000 and two successive discounts of 20% and 12% on the same item.

- Ans
- ☐ 1. ₹20
 - ☒ 2. ₹24
 - ☐ 3. ₹22
 - ☐ 4. ₹26

Q.15 The average runs scored by a batsman in 23 matches is 42. In the next 10 matches, the batsman scored an average of 16 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

- Ans
- ☐ 1. 35.12
 - ☒ 2. 34.12
 - ☐ 3. 33.12
 - ☐ 4. 36.12



Q.16 Mahesh bought some pens at the rate of ₹180 a dozen. He sold them for ₹19 each. His profit percentage is _____.

(Round off your answer to two decimal places.)

- Ans**
- ☒ 1. 30.67%
 - ☒ 2. 26.67%
 - ☒ 3. 24.67%
 - ☒ 4. 28.67%

Q.17 A man goes to Nagpur from Visakhapatnam at a speed of 20 km/hr and returns to Visakhapatnam at speed of 30 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans**
- ☒ 1. 24
 - ☒ 2. 23
 - ☒ 3. 22
 - ☒ 4. 26

Q.18 A number when increased by 100% gives 2770. The number is:

- Ans**
- ☒ 1. 4155
 - ☒ 2. 2770
 - ☒ 3. 1385
 - ☒ 4. 692.5

Q.19 The HCF and the LCM of two numbers are 13 and 1170, respectively. If one of the numbers is 130, find the other one.

- Ans**
- ☒ 1. 91
 - ☒ 2. 104
 - ☒ 3. 117
 - ☒ 4. 143

Q.20 Simplify: $3\left(\left(\frac{6}{3}\right)x^2 - 23x + 18\right) - 6(x^2 + 4x - 15)$

- Ans**
- ☒ 1. $93x + 144$
 - ☒ 2. $93x - 144$
 - ☒ 3. $-93x - 144$
 - ☒ 4. $-93x + 144$

Q.21 What is the discount on a product with a list price of ₹3,000 and a discount rate of 25%?

- Ans**
- ☒ 1. ₹1,000
 - ☒ 2. ₹700
 - ☒ 3. ₹750
 - ☒ 4. ₹900

Q.22 Aman and Pawan together invested ₹62,800 in a business. At the end of the year, out of a total profit of ₹11,600, Pawan's share was ₹2,900. What was the difference between their investments?

- Ans**
- ☒ 1. ₹32,000
 - ☒ 2. ₹31,800
 - ☒ 3. ₹31,400
 - ☒ 4. ₹30,400



Q.23 The product of two consecutive natural numbers is 306. The greater of the two numbers is:

- Ans
- ☐ 1. 19
 - ☒ 2. 18
 - ☐ 3. 31
 - ☐ 4. 36

Q.24 A cylindrical rod has an outer curved surface area of 7500 cm^2 . If the length of the rod is 87 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

$\left(\text{Take } \pi = \frac{22}{7} \right)$

- Ans
- ☐ 1. 16.52
 - ☒ 2. 13.71
 - ☐ 3. 16.68
 - ☐ 4. 13.96

Q.25 An amount of ₹976 is divided among three persons in the ratio of 2 : 11 : 17. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans
- ☒ 1. 488
 - ☐ 2. 531
 - ☐ 3. 495
 - ☐ 4. 517

Q.26 The number 869671195 is divisible by which of the following?

- Ans
- ☒ 1. 5
 - ☐ 2. 13
 - ☐ 3. 12
 - ☐ 4. 15

Q.27 The average price of three items of furniture is ₹16,035. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

- Ans
- ☐ 1. 3,207
 - ☐ 2. 7,483
 - ☐ 3. 5,345
 - ☒ 4. 9,621

Q.28 Find the value of $14^{-23} \times 25^{-23} \times 15^{-23}$.

- Ans
- ☐ 1. $\frac{1}{5257^{23}}$
 - ☐ 2. $\frac{1}{5214^{23}}$
 - ☐ 3. $\frac{1}{5243^{23}}$
 - ☒ 4. $\frac{1}{5250^{23}}$



Q.29 By selling an article at $\frac{2}{5}$ of its actual selling price, Aman incurs a loss of 24%.

If he sells it at 81% of its actual selling price, then the profit percentage is:

- Ans**
- ☒ 1. 55.9%
 - ☒ 2. 55.7%
 - ☒ 3. 55.5%
 - ☒ 4. 53.9%

Q.30 If the third proportional of 26 and 52 be x, then what is the value of x?

- Ans**
- ☒ 1. 107
 - ☒ 2. 104
 - ☒ 3. 102
 - ☒ 4. 106

Section : General Intelligence and Reasoning

Q.1 Priya starts from Point Y and drives 12 km towards the east. She then takes a right turn, drives 10 km. She then turns right and drives 15 km. She takes a final right turn, drives 10 km and stops at Point Z. How far (shortest distance) and towards which direction should she drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified)

- Ans**
- ☒ 1. 9 km towards north
 - ☒ 2. 3 km towards east
 - ☒ 3. 7 km towards south
 - ☒ 4. 2 km towards west

Q.2 What should come in place of the question mark (?) in the given series?

99 100 105 114 127 ?

- Ans**
- ☒ 1. 145
 - ☒ 2. 146
 - ☒ 3. 144
 - ☒ 4. 143

Q.3 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(23, 70, 211)
(12, 37, 112)

- Ans**
- ☒ 1. (5, 16, 48)
 - ☒ 2. (22, 45, 105)
 - ☒ 3. (18, 54, 153)
 - ☒ 4. (33, 100, 301)

Q.4 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

LONG - ONLG - GNOL
EARN - AREN - NRAE

- Ans**
- ☒ 1. CUTE - UCTE - EUTC
 - ☒ 2. BACK - ACBK - ACKB
 - ☒ 3. COIN - OICN - NIOC
 - ☒ 4. SKIP - SIKP - PIKS



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Q.5 Seven boxes U, V, W, X, E, F and G are kept one over the other but not necessarily in the same order.
V is kept second from the bottom. Only three boxes are kept between V and W. X is kept at one of the positions below V. Only E is kept between W and G. U is kept at one of the positions above W. How many boxes are kept between F and X?

- Ans**
- ☐ 1. Four
 - ☐ 2. Three
 - ☒ 3. One
 - ☐ 4. Two

Q.6 YELP is related to BZOK in a certain way based on the English alphabetical order. In the same way, EURF is related to HPUA. To which of the given options is KKXV related, following the same logic?

- Ans**
- ☐ 1. MDAP
 - ☒ 2. NFAQ
 - ☐ 3. MEBR
 - ☐ 4. OGZP

Q.7 Each of the digits in the number 257146983 is arranged in ascending order from left to right. What will be the sum of the digits which are third from the left and second from the right in the new number thus formed?

- Ans**
- ☐ 1. 13
 - ☐ 2. 12
 - ☒ 3. 11
 - ☐ 4. 10

Q.8 JGCK is related to HEAL in a certain way based on the English alphabetical order. In the same way, MJFN is related to KHDL. To which of the given options is PMIQ related, following the same logic?

- Ans**
- ☐ 1. NKHO
 - ☐ 2. NKHP
 - ☒ 3. NKGO
 - ☐ 4. NKGP

Q.9 Seven people, B, C, D, E, F, G and L, are sitting in a row facing North. Only three people sit between D and G. C sits to the immediate left of G. No one sits to the right of L. Only two people sit between L and C. B sits to the immediate right of E. How many people sit between F and B?

- Ans**
- ☒ 1. Two
 - ☐ 2. Three
 - ☐ 3. One
 - ☐ 4. Four

Q.10 Seven people A, B, C, D, E, F and G are sitting in a row, facing north.
No one sits to the right of D. Only three people sit between D and F. Only two people sit between F and A. G sits third to the left of B. C sits to the immediate right of B. How many people sit to the right of E?

- Ans**
- ☐ 1. 2
 - ☐ 2. 3
 - ☐ 3. 4
 - ☒ 4. 5



Q.11 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?

$$23 \text{ D } 16 \text{ A } 4 \text{ C } 6 \text{ B } 2 = ?$$

- Ans**
- ☒ 1. 14
 - ☒ 2. 37
 - ☒ 3. 31
 - ☒ 4. 26

Q.12 Each of the digits in the number 7452318 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ 1. 9
 - ☒ 2. 8
 - ☒ 3. 10
 - ☒ 4. 11

Q.13 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

EXN 12, IBR 23, MFV 34, QJZ 45, ?

- Ans**
- ☒ 1. UND 56
 - ☒ 2. SNB 57
 - ☒ 3. TMC 54
 - ☒ 4. UMB 56

Q.14 In a certain code language, 'DIRT' is coded as '5274' and 'TIDY' is coded as '4352'. What is the code for 'Y' in the given code language?

- Ans**
- ☒ 1. 2
 - ☒ 2. 5
 - ☒ 3. 4
 - ☒ 4. 3

Q.15 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LRY, SQA, ZPC, ?, NNG

- Ans**
- ☒ 1. JOF
 - ☒ 2. GOE
 - ☒ 3. GOF
 - ☒ 4. JOE

Q.16 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)

- Ans**
- ☒ 1. NR-IA
 - ☒ 2. CG-XP
 - ☒ 3. WA-RI
 - ☒ 4. HL-CU



Q.17 What should come in place of the question mark (?) in the given series?

5 7 11 17 25 ?

- Ans
- ☐ 1. 30
 - ☐ 2. 40
 - ☐ 3. 25
 - ☒ 4. 35

Q.18 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All cartons are boxes.
No box is a sheet.

Conclusions:

(I) No carton is a sheet.
(II) Some sheets are boxes.

- Ans
- ☒ 1. Only conclusion (I) follows.
 - ☐ 2. Only conclusion (II) follows.
 - ☐ 3. Both conclusions (I) and (II) follow.
 - ☐ 4. Neither conclusion (I) nor (II) follows.

Q.19 Wasim ranked 24th from the top and 29th from the bottom in his class. How many students are there in his class?

- Ans
- ☐ 1. 53
 - ☐ 2. 50
 - ☐ 3. 51
 - ☒ 4. 52

Q.20 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. D is kept second from the bottom. Only three boxes are kept between D and E. B is kept at one of the positions below D. Only A is kept between E and C. F is kept at one of the positions above E. How many boxes are kept below D?

- Ans
- ☐ 1. 2
 - ☐ 2. 4
 - ☐ 3. 3
 - ☒ 4. 1

Q.21 In a certain code language,
'A % B' means 'A is the daughter of B',
'A = B' means 'A is the wife of B',
'A ≠ B' means 'A is the father of B' and
'A # B' means 'A is the brother of B'.

How is W related to S if 'W % A # K = E ≠ S'?

- Ans
- ☒ 1. Mother's brother's daughter
 - ☐ 2. Mother's brother's son
 - ☐ 3. Mother's brother's wife
 - ☐ 4. Mother's brother's sister



Q.22 What should come in place of the question mark (?) in the given series?

26 38 46 58 66 78 ?

- Ans
- ☐ 1. 88
 - ☒ 2. 86
 - ☐ 3. 84
 - ☐ 4. 82

Q.23 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. ZC-EH
 - ☒ 2. FI-KM
 - ☐ 3. TW-YB
 - ☐ 4. JM-OR

Q.24 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:

No Buffaloes are Cats.

Some Cats are Turkeys.

Conclusions:

I. No Buffaloes are Turkeys.

II. Some Buffaloes are Turkeys.

- Ans
- ☐ 1. Both conclusions (I) and (II) follow.
 - ☐ 2. Only conclusion (II) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☐ 4. Only conclusion (I) follows.

Q.25 If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$9 - 4 + 24 \div 21 \times 3 = ?$

- Ans
- ☒ 1. 19
 - ☐ 2. 12
 - ☐ 3. 26
 - ☐ 4. 4

Q.26 This question is based on the five, three-digit numbers given below.

(Left) 268 667 457 856 426 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

If 1 is subtracted from the first digit of every number, in how many numbers will the third digit be exactly divisible by the first digit?

- Ans
- ☒ 1. Two
 - ☐ 2. None
 - ☐ 3. Three
 - ☐ 4. One



Q.27 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. OR-VM
 - ☒ 2. QT-XP
 - ☒ 3. MP-TK
 - ☒ 4. KN-RI

Q.28 Luv starts from Point A and drives 8 km towards the east. He then takes a right turn and drives 5 km, then turns right and drives 11 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 6 km to the north
 - ☒ 2. 7 km to the north
 - ☒ 3. 7 km to the south
 - ☒ 4. 6 km to the south

Q.29 This question is based on the five, three-digit numbers given below.

(Left) 893 620 514 487 928 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

What will be the LCM of the 2nd digits of all the numbers?

- Ans**
- ☒ 1. 36
 - ☒ 2. 72
 - ☒ 3. 9
 - ☒ 4. 48

Q.30 In a certain code language, 'BODY' is coded as '2469' and 'DICE' is coded as '1593'. What is the code for 'D' in that language?

- Ans**
- ☒ 1. 6
 - ☒ 2. 9
 - ☒ 3. 3
 - ☒ 4. 1



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