



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



RRB NTPC UG 2024

Under Graduate Level | CEN 06/2024

ENGLISH ANSWER KEY

Official Answer Key with Solutions

All 57 Shifts · 07-08-2025 to 09-09-2025

Questions	100
Marking	+1 correct / -1/3 wrong
Duration	90 minutes
Sections	General Awareness 40 · Maths 30 · Reasoning 30

Every paper here is the official RRB response sheet with the correct answer marked.

HOW TO USE THIS BOOK

- 1 Open the INDEX on the next page.
- 2 Click any row to jump straight to that date and shift.
- 3 Correct options are ticked in green, wrong ones crossed in red.
- 4 Use the bookmarks panel of your PDF reader to move between shifts.

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Compiled 11 September 2026

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Test Center Name	iON Digital Zone iDZ Kollam
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 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 Home Affairs
☐ 3. Ministry of Electronics and Information Technology
☐ 4. Ministry of Road Transport and Highways

Q.2 Which state became the leading beneficiary of the Green Revolution in India?

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

Q.3 The distribution of population in India is:

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

Q.4 Who among the following launched the Ayushman Vay Vandana Card in Delhi in April 2025, along with Delhi Chief Minister Rekha Gupta?

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

Q.5 Who is the highest law officer in a state?

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

Q.6 Which sweetener, first used in 1879, has received FDA approval for use in fruit juice beverages?

- Ans**
- ☒ 1. Saccharin
 - ☐ 2. Neotame
 - ☐ 3. Sucralose
 - ☐ 4. Aspartame

Q.7 Which of the following is the Chief Minister of a state in India primarily responsible for?

- Ans**
- ☐ 1. President of India
 - ☒ 2. Governor of the State
 - ☐ 3. State Legislative Assembly
 - ☐ 4. Supreme Court

Q.8 Which Indian state hosted the 38th National Games in 2025?

- Ans**
- ☐ 1. Odisha
 - ☐ 2. Bihar
 - ☐ 3. Madhya Pradesh
 - ☒ 4. Uttarakhand

Q.9 The Bhimbetka rock shelters, known for prehistoric cave paintings, are located in which of the following states of India?

- Ans**
- ☒ 1. Madhya Pradesh
 - ☐ 2. Rajasthan
 - ☐ 3. Gujarat
 - ☐ 4. Uttar Pradesh

Q.10 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.11 Which of the following elements is classified as an actinoid group element?

- Ans**
- ☐ 1. Cerium
 - ☐ 2. Lanthanum
 - ☒ 3. Thorium
 - ☐ 4. Ytterbium

Q.12 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.13 What was a major focus of the 61st Constitutional Amendment?

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

Q.14 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.15 Which programme aims to ensure access to safe and adequate drinking water through tap connections by 2024?

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

Q.16 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. Ikat
 - ☐ 2. Mansabdari
 - ☒ 3. Ulug
 - ☐ 4. Dawa

Q.17 Which State Government launched India's first ferret research facility in February 2025?

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

Q.18 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. 101st Airborne Division
 - ☐ 4. 1st Infantry Division

Q.19 Protection of environment and wildlife is mentioned in which Article of the Indian Constitution?

- Ans**
- ☐ 1. Article 47
 - ☒ 2. Article 48A
 - ☐ 3. Article 49
 - ☐ 4. Article 48

Q.20 Which of the following best describes 'intergenerational equity'?

- Ans**
- ☒ 1. Fair use of resources to ensure availability for future generations
 - ☐ 2. Equal economic opportunities for all age-based population groups
 - ☐ 3. Fair distribution of resources among present-day nations
 - ☐ 4. Fair allocation of resources among various income groups

Q.21 Which of the following is the easternmost range of the Himalayas?

- Ans**
- ☒ 1. Purvanchal Range
 - ☐ 2. Dhauladhar
 - ☐ 3. Pir Panjal
 - ☐ 4. Zaskar

Q.22 What can happen if rocks are not weathered in the context of the movement of Earth's materials?

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

Q.23 How many small states of present-day Odisha were integrated into the Indian Union at the time of Partition?

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

Q.24 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. Uttarakhand
 - ☐ 2. Jammu and Kashmir
 - ☐ 3. Arunachal Pradesh
 - ☐ 4. Himachal Pradesh

Q.25 What legal document allowed Princely States to join either India or Pakistan after independence?

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

Q.26 Who among the following was appointed as a Deputy Governor of the Reserve Bank of India (RBI) in May 2025?

- Ans**
- ☒ 1. Dr. Poonam Gupta
 - ☐ 2. Dr. Anshula Kant
 - ☐ 3. Dr. Rakesh Mohan
 - ☐ 4. Dr. Urjit Patel

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

- Ans**
- ☐ 1. Windows
 - ☐ 2. Linux
 - ☒ 3. Android
 - ☐ 4. macOS

Q.28 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.29 Which of the following Acts aims to prevent money laundering in India?

- Ans**
- ☐ 1. SEBI
 - ☐ 2. FEMA
 - ☒ 3. PMLA
 - ☐ 4. FCRA

Q.30 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.31 In which of the following regions in India are Tropical Evergreen Forests found?

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

Q.32 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. Cardiff
 - ☐ 2. Dublin
 - ☐ 3. Edinburgh
 - ☒ 4. Belfast

Q.33 What is the projected annual growth rate of India-UK bilateral trade under the new Free Trade Agreement (FTA)?

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

Q.34 Which acid is used in non-ionic detergent reactions to improve cleaning qualities and thicken detergents?

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

Q.35 Which region of India is most suitable for tea cultivation due to its climate and soil?

- Ans**
- ☐ 1. Deccan Plateau
 - ☐ 2. Western Rajasthan
 - ☐ 3. Punjab and Haryana
 - ☒ 4. Assam and North Bengal

Q.36 Which international organisation supports globalisation and free trade?

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

Q.37 The desktop background is also known as:

- Ans**
- ☐ 1. file
 - ☐ 2. icon
 - ☒ 3. wallpaper
 - ☐ 4. menu

Q.38 The term 'Sangam' refers to which of the following?

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

Q.39 What is the name of the programme that supports AI-based learning in government schools?

- Ans**
- ☒ 1. FLN-AXL
 - ☐ 2. Vidya Connect
 - ☐ 3. Smart EduTech
 - ☐ 4. Digital India Learning

Q.40 Which event marked the pivot moment in the extremist and moderate struggle during the Indian freedom struggle?

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

Section : Mathematics

Q.1 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. 37
 - ☒ 3. 44
 - ☐ 4. 36

Q.2 The number of prime numbers lying between 331 and 345, both included, is:

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

Q.3 The value of $\sqrt{169} + \sqrt{0.0144} - \sqrt{5.76}$ is ____.

- Ans
- ☐ 1. 15.76
 - ☐ 2. 15.09
 - ☐ 3. 9.35
 - ☒ 4. 10.72

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

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

Q.5 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. ₹520
 - ☐ 4. ₹517

Q.6 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. 139°
 - ☒ 2. 125°
 - ☐ 3. 113°
 - ☐ 4. 135°

Q.7 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. 20 km/hr
 - ☐ 2. 6 km/hr
 - ☒ 3. 15 km/hr
 - ☐ 4. 11 km/hr

Q.8 Varun bought some erasers at the rate of ₹150/dozen. He sold them for ₹18 each. His profit percentage is ____%.

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

Q.9 Which of the following numbers divides 774359327?

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

Q.10 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. $12\frac{5}{7}$ days

☐ 2. $16\frac{5}{7}$ days

☒ 3. $15\frac{5}{7}$ days

☐ 4. $21\frac{5}{7}$ days

Q.11 ₹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. ₹36,192

☐ 2. ₹36,032

☐ 3. ₹36,127

☐ 4. ₹36,236

Q.12 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. 7 hours

☐ 2. 4 hours

☒ 3. 12 hours

☐ 4. 13 hours

Q.13 If the third proportional of 16 and 56 be x, then what is the value of x?

Ans

☒ 1. 196

☐ 2. 198

☐ 3. 195

☐ 4. 193

Q.14 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. ₹46

☒ 2. ₹45

☐ 3. ₹43

☐ 4. ₹44

Q.15 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. ₹1,820 ; 49%

☐ 2. ₹1,840 ; 54%

☒ 3. ₹2,121.6 ; 46.96%

☐ 4. ₹2,352.2 ; 44.23%

Q.16 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. 32.42

☒ 2. 33.42

☐ 3. 35.42

☐ 4. 34.42

Q.17 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.18 Find the value of $62^3 \div 62^2 \times 62^{-13}$.

Ans ☐ 1. 62^{-18}

☒ 2. 62^{-12}

☐ 3. 62^{-23}

☐ 4. 62^{-26}

Q.19 Find a single discount equivalent to successive discounts of 20%, 25% and 15%.

Ans ☐ 1. 46%

☒ 2. 49%

☐ 3. 44%

☐ 4. 42%

Q.20 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. 15

☐ 2. 12

☐ 3. 11

☒ 4. 16

Q.21 Which of the following numbers divides 545714151?

Ans ☐ 1. 7

☒ 2. 3

☐ 3. 6

☐ 4. 10

Q.22 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.23 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. 20.83 cm
 - ☐ 2. 24.14 cm
 - ☐ 3. 22.46 cm
 - ☐ 4. 18.38 cm

Q.24 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. 8752
 - ☒ 3. 8750
 - ☐ 4. 8751

Q.25 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. $\frac{471}{2}$
 - ☐ 2. $\frac{19}{2}$
 - ☐ 3. 15
 - ☒ 4. $\frac{405}{2}$

Q.26 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. ₹136
 - ☐ 2. ₹135
 - ☒ 3. ₹138
 - ☐ 4. ₹143

Q.27 The LCM of the numbers 15.4 and 0.006 is:

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

Q.28 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. $\frac{73}{5}$

☒ 2. $\frac{65}{4}$

☐ 3. $\frac{56}{6}$

☐ 4. $\frac{71}{4}$

Q.29 A number, when increased by 100%, gives 2820. The number is:

Ans

☒ 1. 1410

☐ 2. 2820

☐ 3. 4230

☐ 4. 705

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

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

Ans

☐ 1. 40.5

☒ 2. 41

☐ 3. 41.5

☐ 4. 42

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. LJ-MK

☐ 2. QO-RP

☒ 3. US-UV

☐ 4. PN-QO

Q.2 What should come in place of the question mark (?) in the given series?

779 780 784 793 809 ?

Ans

☐ 1. 841

☒ 2. 834

☐ 3. 831

☐ 4. 837

Q.3 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. 3
 - ☐ 2. 1
 - ☐ 3. 4
 - ☒ 4. 2

Q.4 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. 8 km towards east
 - ☐ 2. 5 km towards north
 - ☐ 3. 7 km towards south
 - ☐ 4. 6 km towards west

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.

(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. Three
 - ☐ 2. None
 - ☒ 3. Two
 - ☐ 4. One

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. MIP
 - ☒ 2. FBJ
 - ☐ 3. HDK
 - ☐ 4. JFM

Q.7 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. U
 - ☐ 2. T
 - ☐ 3. A
 - ☒ 4. B

Q.8 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 south
 - ☒ 2. 8 km to the west
 - ☐ 3. 8 km to the east
 - ☐ 4. 7 km to the east

Q.9 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. Two
 - ☐ 2. None
 - ☐ 3. Three
 - ☐ 4. One

Q.10 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. Mother's brother
 - ☐ 2. Mother's father
 - ☐ 3. Father's father
 - ☒ 4. Father's mother

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

456 457 455 456 454 455 453 ?

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

Q.12 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. Three
 - ☒ 3. One
 - ☐ 4. None

Q.13 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?

46 A 2 C 21 D 8 B 3 = ?

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

Q.14 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. Three
 - ☐ 4. None

Q.15 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. 42
 - ☐ 2. 41
 - ☐ 3. 43
 - ☐ 4. 44

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. KOI
 - ☐ 2. MQK
 - ☒ 3. FJC
 - ☐ 4. HLF

Q.17 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. Three
 - ☒ 2. Two
 - ☐ 3. Four
 - ☐ 4. One

Q.18 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. MAST - AMST - TASM
 - ☒ 2. LIES - IELS - SEIL
 - ☐ 3. SING - SNIG - GNIS
 - ☐ 4. COPE - OPCE - OPEC

Q.19 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. NAPS - NPAS - SPAN
 - ☒ 2. ITEM - TMEI - METI
 - ☐ 3. FLAT - LFAT - TLAF
 - ☐ 4. ABLE - BALE - EBLA

Q.20 What should come in place of the question mark (?) in the given series?
6 9 15 24 36 ?

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

Q.21 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. Two
☐ 2. Three
☒ 3. Four
☐ 4. Five

Q.22 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. VZE 20
☐ 3. VUD 20
☐ 4. UZD 20

Q.23 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. 7
☐ 2. 5
☒ 3. 9
☐ 4. 1

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:

All Cabbages are Peas.
No Peas are Broccolis.

Conclusions:

I: No Broccolis are Cabbages.
II: Some Broccolis are Cabbages.

- 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.25 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. 75, 104
 ☐ 2. 79, 102
 ☐ 3. 53, 76
 ☐ 4. 84, 107

Q.26 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. USJ -28
 ☐ 2. UHT -21
 ☐ 3. JUD -20
 ☐ 4. SJD -21

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:

All teas are bins.
No tea is a sock.

Conclusions:

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

- 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.28 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-PS
 ☐ 2. IQ-NT-PR
 ☐ 3. JQ-MT-PR
 ☐ 4. IQ-MT-PR

Q.29 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. 18
 - ☐ 2. 16
 - ☐ 3. 19
 - ☐ 4. 17

Q.30 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. fr
 - ☐ 2. nt
 - ☐ 3. kt
 - ☒ 4. yg



सत्यमेव जयते

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 Center Name	iON Digital Zone iDZ Aluva
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 What does the shortcut key Ctrl + S do in most software applications?

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

Q.2 Which new electricity trading tool did India propose in 2025 to help companies meet renewable energy targets?

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

Q.3 Which of the following is the first biosphere reserve established in India?

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

Q.4 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. Loo
 - ☐ 4. Break in monsoon

Q.5 Where was the BrahMos Aerospace Integration and Testing Facility inaugurated on 11 May 2025?

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

Q.6 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. Gujarat
 - ☐ 3. Tamil Nadu
 - ☒ 4. Kerala

Q.7 Which policy initiative aims to digitise all Primary Agricultural Credit Societies (PACS)?

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

Q.8 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. QRSAM
 - ☐ 3. Barak-8
 - ☐ 4. Akash

Q.9 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. Blue Flag-5
 - ☐ 2. Red Flag
 - ☒ 3. Desert Flag-10
 - ☐ 4. Iron Fist

Q.10 Which of the following movements is also known as the 'Ulgulan' or the 'Great Tumult' movement?

- Ans**
- ☒ 1. Munda uprising
 - ☐ 2. Santhal rebellion
 - ☐ 3. Kol rebellion
 - ☐ 4. Chuar uprising

Q.11 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. Akbar
 - ☐ 2. Humayun
 - ☐ 3. Babar
 - ☐ 4. Jahangir

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

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

Q.13 Where was the 2025 Regional Forum on Sustainable Development (RFSD) for the UNECE region held on April 2-3?

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

Q.14 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.15 Which Indian author won the 2025 International Booker Prize for the short story collection 'Heart Lamp'?

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

Q.16 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. Chennai
 - ☐ 3. New Delhi
 - ☒ 4. Mumbai

Q.17 Which neighbouring country did India accuse of supporting cross-border infiltration attempts in Jammu and Kashmir in early 2025?

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

Q.18 Which of the following factors best explains the formation of ox-bow lakes along river courses?

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

Q.19 Which of the following is considered the first full-length Indian feature film, released in 1913?

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

Q.20 Which of the following countries will restrict the Mt. Everest Permit to only those who have already climbed 7000 m?

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

Q.21 Which Indian startup unveiled a system to run AI without advanced chips in April 2025?

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

Q.22 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.23 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. Employment
 - ☐ 2. Health
 - ☐ 3. Education
 - ☐ 4. Standard of living

Q.24 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. Naseeruddin Shah
 - ☐ 2. Kiran Rao
 - ☒ 3. Anupam Kher
 - ☐ 4. Shabana Azmi

Q.25 In which of the following Indian states does the Jagar dance form has its primary roots?

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

Q.26 Pamban Port is located in which state of India?

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

Q.27 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.28 Which of the following was a major drawback of the Indian economy at the time of independence?

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

Q.29 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 Dynamics Ltd and Hindustan Aeronautics Ltd
 - ☐ 2. Mahindra Defence Systems Ltd and Kalyani Strategic Systems Ltd
 - ☐ 3. Larsen & Toubro Ltd and MTAR Technologies Ltd
 - ☒ 4. Bharat Forge Ltd and Tata Advanced Systems Ltd

Q.30 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. 2032
 - ☐ 2. 2030
 - ☐ 3. 2036
 - ☐ 4. 2034

Q.31 Which of the following is responsible for managing shortcut links and desktop visual layout?

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

Q.32 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. Tamil Nadu
 - ☒ 3. Goa
 - ☐ 4. Maharashtra

Q.33 Who was the first Chief Election Commissioner of India?

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

Q.34 Which method best characterises the approach of the Moderates?

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

Q.35 What evidence supports the layered structure of the Earth's interior?

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

Q.36 Which of the following diseases is caused by protozoa?

- Ans**
- ☒ 1. Malaria
 - ☐ 2. Polio
 - ☐ 3. Typhoid
 - ☐ 4. Chicken Pox

Q.37 What is used to measure a decent standard of living in HDI?

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

Q.38 Who translated the book 'Heart Lamp' into English, making it the first Kannada work to win the 2025 International Booker Prize?

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

Q.39 Under the Government of India Act, 1919, which subjects were transferred to Indian ministers?

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

Q.40 Which Schedule of the Constitution deals with the administration of Scheduled Areas and Tribes?

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

Section : Mathematics

Q.1 The LCM of the numbers 2.7 and 0.096 is:

- Ans**
- ☐ 1. 2.16
 - ☒ 2. 21.6
 - ☐ 3. 216
 - ☐ 4. 0.216

Q.2 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. 4748

☐ 3. 4751

☐ 4. 4749

Q.3 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. 5577.52

☐ 4. 5597.52

Q.4 By selling an article at $\frac{2}{5}$ of its actual selling price, Manav incurs a loss

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



Ans ☐ 1. 69.4%

☐ 2. 67.3%

☐ 3. 67.9%

☒ 4. 67.2%

Q.5 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. 22

☐ 2. 25

☐ 3. 20

☐ 4. 23

Q.6 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. 24.6%

☒ 2. 22.2%

☐ 3. 20%

☐ 4. 19.8%

Q.7 The product of two consecutive natural numbers is 210. The greater of the two numbers is:

Ans ☐ 1. 7

☒ 2. 15

☐ 3. 34

☐ 4. 21

Q.8 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. $1\frac{85}{223}$ hours

☒ 2. $5\frac{85}{223}$ hours

☐ 3. $3\frac{85}{223}$ hours

☐ 4. $9\frac{85}{223}$ hours

Q.9 The average of first 151 even numbers is

Ans

☐ 1. 151.5

☐ 2. 153

☒ 3. 152

☐ 4. 152.5

Q.10 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month for 12 months.

Ans

☐ 1. ₹56

☒ 2. ₹432

☐ 3. ₹72

☐ 4. ₹36

Q.11 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. 50.2

☐ 2. 52.2

☐ 3. 53.2

☒ 4. 51.2

Q.12 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. ₹70,000

☒ 2. ₹75,000

☐ 3. ₹80,000

☐ 4. ₹90,000

Q.13 A product is sold for ₹3,400 after a 15% discount. What was the original marked price?

Ans

☐ 1. ₹3,900

☐ 2. ₹3,800

☒ 3. ₹4,000

☐ 4. ₹4,100

Q.14 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. 12
 - ☐ 2. 102
 - ☐ 3. 31
 - ☐ 4. 93

Q.15 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. 18
 - ☐ 2. 24
 - ☐ 3. 12
 - ☐ 4. 6

Q.16 Which of the following numbers is divisible by 24?

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

Q.17 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. 3
 - ☐ 2. 4
 - ☐ 3. 2
 - ☐ 4. 5

Q.18 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. ₹994
 - ☒ 2. ₹972
 - ☐ 3. ₹1,065
 - ☐ 4. ₹864

Q.19 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. 48
 - ☒ 2. 50
 - ☐ 3. 51
 - ☐ 4. 49

Q.20 A number, when increased by 100%, gives 2780. The number is:

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

Q.21 If $\sin\theta = \frac{1}{2}$, then $13 \times \operatorname{cosec}^2\theta - 3 \times \cot^2\theta - 15$ is equal to:

- Ans ☒ 1. 28
☐ 2. 68
☐ 3. 26
☐ 4. 56

Q.22 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. 11 km/hr
☒ 2. 7 km/hr
☐ 3. 13 km/hr
☐ 4. 3 km/hr

Q.23 Find the mean proportional of 25 and 16.

- Ans ☒ 1. 20
☐ 2. 17
☐ 3. 18
☐ 4. 22

Q.24 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. 11.02
☐ 2. 7.39
☒ 3. 9.56
☐ 4. 9.29

Q.25 The volume of a right circular cylinder is 8624 cm^3 . If the radius and height of the cylinder. (Use $\pi = \frac{22}{7}$)

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

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

- Ans ☒ 1. 2
☐ 2. 3
☐ 3. 5
☐ 4. 7

Q.27 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. 29 hours
☒ 2. 28 hours
☐ 3. 33 hours
☐ 4. 34 hours

Q.28 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. 5
 - ☒ 2. 4.5
 - ☒ 3. 6.5
 - ☒ 4. 6

Q.29 Find the value of: $83^{-6} \div 83^{16} \times 83^{-8}$

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

Q.30 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. $-62x - 90$

Section : General Intelligence and Reasoning

Q.1 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. UPY 115
 - ☒ 3. VOY 115
 - ☒ 4. XNW 113

Q.2 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. Three
 - ☒ 2. Two
 - ☒ 3. One
 - ☒ 4. Four

Q.3 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. Two
 - ☒ 2. Three
 - ☒ 3. One
 - ☒ 4. Four

Q.4 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. 96, 62
 - ☒ 2. 72, 36
 - ☒ 3. 84, 56
 - ☒ 4. 60, 20

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.)

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

Q.6 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. Four
 - ☒ 2. One
 - ☒ 3. Two
 - ☒ 4. Three

Q.7 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. 10
 - ☒ 2. 9
 - ☒ 3. 11
 - ☒ 4. 12

Q.8 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. KOP H
 - ☒ 2. KOHP
 - ☒ 3. OKPH
 - ☒ 4. OKHP

Q.9 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. 1
☐ 2. 0
☐ 3. 8
☐ 4. 9

Q.10 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. Neither conclusion (I) nor (II) follows.
☒ 2. Only conclusion (I) follows.
☐ 3. Only conclusion (II) follows.
☐ 4. Both conclusions (I) and (II) follow.

Q.11 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.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. UZV
☐ 2. OTP
☒ 3. MRO
☐ 4. RWS

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 penguins are sharks. Some sharks are dolphins.

Conclusions (I): No shark is a penguin.

Conclusions (II): Some penguins are dolphins.

- 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.14 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. EAG
 - ☒ 3. IAG
 - ☒ 4. GEI

Q.15 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 father
 - ☒ 2. Mother's sister
 - ☒ 3. Mother's brother
 - ☒ 4. Mother's mother

Q.16 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. 39
 - ☒ 2. 40
 - ☒ 3. 41
 - ☒ 4. 42

Q.17 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. 1
 - ☒ 2. 3
 - ☒ 3. 2
 - ☒ 4. 4

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. EGB
 - ☒ 2. KMI
 - ☒ 3. NPL
 - ☒ 4. HJF

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 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.20 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. 7
 - ☐ 2. 1
 - ☐ 3. 5
 - ☐ 4. 6

Q.21 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. ACYZ
 - ☐ 3. AYZS
 - ☒ 4. ACZY

Q.22 What will come in place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '-' and '×' are interchanged?

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

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

Q.23 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. 14
 - ☐ 2. 16
 - ☒ 3. 18
 - ☐ 4. 12

Q.24 Kartik ranked 19th from the top and 27th from the bottom in his class. How many students are there in his class?

- Ans
- ☐ 1. 47
 - ☒ 2. 45
 - ☐ 3. 46
 - ☐ 4. 44

Q.25 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. 4 km towards east
 - ☐ 3. 8 km towards west
 - ☐ 4. 7 km towards south

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

178 142 117 101 92 ?

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

Q.27 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. 8
 - ☒ 4. 10

Q.28 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. 2 km east
 - ☒ 3. 8 km east
 - ☐ 4. 5 km east

Q.29 What should come in place of the question mark (?) in the given series?

499 500 502 505 509 ?

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

Q.30 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. LYXZ
 - ☒ 3. LYZK
 - ☐ 4. LZXD



सत्यमेव जयते

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 Center Name	Skymoon IT Point Private Limited
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 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. Tamil Nadu
 - ☒ 2. Uttar Pradesh
 - ☒ 3. Maharashtra
 - ☒ 4. Gujarat

Q.2 Geographically, Bhutan is divided into four regions. Which of the following is NOT a name of those divisions?

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

Q.3 When was the Basel Convention adopted on the Control of Transboundary Movements of Hazardous Wastes and their Disposal?

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

Q.4 To pass a Constitutional Amendment Bill in the Lok Sabha, which of the following correctly states the minimum support required?

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

Q.5 Which of the following zones receives vertical rays of the Sun throughout the year?

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

Q.6 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. Ayushman Bharat Health Infrastructure Mission and Ayushman Arogya Mandir
 - ✗ 2. National Health Stack and eSanjeevani
 - ✗ 3. PM-JAY and National Digital Health Mission
 - ✗ 4. Fit India Movement and Swachh Bharat Abhiyan

Q.7 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. Validity of Unstamped Arbitration Agreement
 - ✗ 4. Euthanasia and the Right to Die with Dignity

Q.8 In which of the following groups does hydrogen belong?

- Ans**
- ✗ 1. Group 2
 - ✗ 2. Group 17
 - ✓ 3. Group 1
 - ✗ 4. Group 18

Q.9 Where is the headquarters of the North Western Railway zone located?

- Ans**
- ✗ 1. New Delhi
 - ✗ 2. Hubli
 - ✗ 3. Hajipur
 - ✓ 4. Jaipur

Q.10 Which British law was a major influence on the Indian Constitution's institutional framework?

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

Q.11 The Bhabar region lies in which part of the Great Plains?

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

Q.12 Which of the following important Indian festivals was observed on 13th and 14th March 2025?

- Ans**
- ✗ 1. Eid-ul-Fitr
 - ✗ 2. Raksha Bandhan
 - ✗ 3. Diwali
 - ✓ 4. Holi

Q.13 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. Assam and Nagaland
 - ☐ 2. Tripura and Mizoram
 - ☐ 3. Manipur and Mizoram
 - ☒ 4. Meghalaya and Assam

Q.14 The 'Kundara Proclamation' which openly called for taking up arms against the British, is associated with which of the following freedom fighters?

- Ans**
- ☐ 1. Wazir Ali Khan
 - ☐ 2. Gajapatiraju
 - ☒ 3. Velu Thampi
 - ☐ 4. Kattabomman Nayakan

Q.15 Which city is constructing a 27-metre-tall clock tower at Talkatora Roundabout to enhance its architectural identity?

- Ans**
- ☐ 1. Mumbai
 - ☐ 2. Kolkata
 - ☒ 3. New Delhi
 - ☐ 4. Jaipur

Q.16 Which of the following actions will permanently delete a file from an MS Windows system, bypassing the Recycle Bin?

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

Q.17 In which of the following years was the Right to Information Act passed?

- Ans**
- ☐ 1. 1999
 - ☒ 2. 2005
 - ☐ 3. 1973
 - ☐ 4. 2007

Q.18 India's first exploration licence auction and AI-Driven Mineral Targeting Hackathon was launched in:

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

Q.19 In post 1991 reforms, the term 'disinvestment' refers to:

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

Q.20 What is the name of the patented respiratory device developed by AIIMS Raipur to curb airborne infections in May 2025?

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

Q.21 Which key combination is commonly used in Windows OS to open the Task Manager?

- Ans**
- ☒ 1. Ctrl + Shift + Esc
 - ☐ 2. Ctrl + Tab
 - ☐ 3. Alt + F4
 - ☐ 4. Alt + Tab

Q.22 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. State-based armed conflict
 - ☐ 3. Resurgence of pandemics
 - ☐ 4. Instability in global markets

Q.23 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. Mizoram
 - ☐ 2. Himachal Pradesh
 - ☐ 3. Kerala
 - ☐ 4. Sikkim

Q.24 Which of the following is the correct descending order of ministerial ranks in the Union Council of Ministers, as per Indian practice?

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

Q.25 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.26 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. Andhra Pradesh
 - ☐ 3. Madhya Pradesh
 - ☒ 4. Kerala

Q.27 To control over district courts and subordinate judiciary lies with which of the following?

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

Q.28 In the Pallava administration, which was the smallest administrative unit directly managed by local self-governing assemblies?

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

Q.29 In which of the following years did Vodafone start its journey in India?

- Ans**
- ✓ 1. 2007
 - ✗ 2. 2002
 - ✗ 3. 2009
 - ✗ 4. 2005

Q.30 From the 11th through the 18th centuries, what type of literature was the most prominent in medieval India?

- Ans**
- ✗ 1. Specialised scientific writings
 - ✓ 2. Devotional poetry
 - ✗ 3. Theatrical historical performances
 - ✗ 4. Elaborate philosophical discussions

Q.31 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. Andhra Pradesh
 - ✗ 2. Tamil Nadu
 - ✗ 3. Telangana
 - ✗ 4. Kerala

Q.32 The Kopili Hydro Electric Project is located in which Indian state?

- Ans**
- ✗ 1. Arunachal Pradesh
 - ✗ 2. Meghalaya
 - ✓ 3. Assam
 - ✗ 4. Sikkim

Q.33 Why can Gross Enrollment Ratio (GER) sometimes exceed 100%?

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

Q.34 The Parthians originated from which of the following countries?

- Ans**
- ✗ 1. Saudi Arabia
 - ✗ 2. Turkey
 - ✗ 3. Iraq
 - ✓ 4. Iran

Q.35 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. Kharait
 - ☒ 2. Kullu Nati
 - ☐ 3. Kinnauri
 - ☐ 4. Kiang

Q.36 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.37 In May 2025, who was appointed as Secretary, Department of Revenue, Ministry of Finance?

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

Q.38 Which technology uses acoustic waves to locate objects in the ocean?

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

Q.39 Which company received the 'Champion Company' award at the inaugural CII Awards for Excellence in Disability Inclusion in 2025?

- Ans**
- ☐ 1. Minda Corporation
 - ☐ 2. Amazon
 - ☐ 3. Zomato
 - ☒ 4. Wipro Limited

Q.40 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. 2005
 - ☐ 3. 1997
 - ☒ 4. 2000

Section : Mathematics

Q.1 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. $\frac{200}{7}\%$ profit
 - ✗ 2. $\frac{200}{7}\%$ loss
 - ✗ 3. 200 % profit
 - ✗ 4. $\frac{210}{7}\%$ loss

Q.2 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. 6 and 36
 - ✗ 3. 18 and 48
 - ✗ 4. 24 and 54

Q.3 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. 16%
 - ✗ 2. 17%
 - ✗ 3. 12%
 - ✓ 4. 14%

Q.4 Find the value of $50^{-13} \div 50^{15} \times 50^{-11}$.

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

Q.5 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. 94,478
 - ✗ 3. 94,467
 - ✗ 4. 94,468

Q.6 What smallest number should be added to 4519 so that the sum is completely divisible by 30?

- Ans**
- ✗ 1. 10
 - ✓ 2. 11
 - ✗ 3. 6
 - ✗ 4. 13

Q.7 A number, when increased by 70%, gives 3910. The number is:

- Ans**
- ✗ 1. 4600
 - ✗ 2. 1150
 - ✗ 3. 6900
 - ✓ 4. 2300

Q.8 ₹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. ₹21,125
 - ☐ 2. ₹20,901
 - ☒ 3. ₹20,988
 - ☐ 4. ₹20,919

Q.9 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. 83
 - ☒ 2. 80
 - ☐ 3. 79
 - ☐ 4. 76

Q.10 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. 11.98
 - ☒ 2. 9.56
 - ☐ 3. 9.68
 - ☐ 4. 8.43

Q.11 A shirt is marked at ₹900. After a discount of 10%, it is sold. Find the selling price.

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

Q.12 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.

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

- Ans**
- ☐ 1. 389
 - ☐ 2. 401
 - ☒ 3. 396
 - ☐ 4. 395

Q.13 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. 9,899
 - ☐ 2. 9,903
 - ☒ 3. 9,900
 - ☐ 4. 9,902

Q.14 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. $\frac{53}{6}$
 - ✗ 3. $\frac{35}{4}$
 - ✗ 4. $\frac{44}{5}$

Q.15 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. ₹28,905
 - ✗ 3. ₹27,795
 - ✗ 4. ₹28,035

Q.16 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. 5:00 a.m.
 - ✗ 2. 9:47 p.m.
 - ✓ 3. 11:55 a.m.
 - ✗ 4. 10:47 p.m.

Q.17 An equilateral triangle has each side measuring 13 cm; find its perimeter.

- Ans
- ✗ 1. 30 cm
 - ✗ 2. 42 cm
 - ✓ 3. 39 cm
 - ✗ 4. 26 cm

Q.18 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. $9\frac{101}{129}$ days
 - ✗ 2. $13\frac{101}{129}$ days
 - ✓ 3. $11\frac{101}{129}$ days
 - ✗ 4. $20\frac{101}{129}$ days

Q.19 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. ₹1,052
 - ☐ 2. ₹1,106
 - ☐ 3. ₹1,116
 - ☒ 4. ₹1,026

Q.20 Simplify: $\sec^2\beta - \frac{1}{\operatorname{cosec}^2\beta - 1}$

- Ans
- ☐ 1. $\operatorname{cosec}\beta$
 - ☐ 2. 0
 - ☒ 3. 1
 - ☐ 4. $\sec\beta$

Q.21 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. 25
 - ☐ 2. 22
 - ☐ 3. 27
 - ☒ 4. 24

Q.22 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 18^\circ$ and $\angle$

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

Q.23 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. 150
 - ☐ 2. 164
 - ☒ 3. 144
 - ☐ 4. 137

Q.24 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.25 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. ₹221
 - ☒ 2. ₹256
 - ☐ 3. ₹340
 - ☐ 4. ₹274

Q.26 Which of the following ratios is the greatest?

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

Q.27 Which of the following numbers divides 253118139?

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

Q.28 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. 53.8
 - ☐ 2. 52.8
 - ☐ 3. 50.8
 - ☒ 4. 51.8

Q.29 The number 245015 is divisible by which of the following?

- Ans**
- ☐ 1. 15
 - ☐ 2. 2
 - ☒ 3. 5
 - ☐ 4. 11

Q.30 The average of first 170 even numbers is

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

Section : General Intelligence and Reasoning

Q.1 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. LIHN
 - ☒ 2. ILHN
 - ☐ 3. LINJ
 - ☐ 4. LNHG

Q.2 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. (92, 79, 66)

✗ 2. (48, 24, 12)

✗ 3. (73, 60, 53)

✗ 4. (66, 52, 41)

Q.3 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 father

✗ 2. Mother's brother

✗ 3. Mother's sister

✓ 4. Mother's mother

Q.4 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?

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

Ans ✗ 1. 98

✗ 2. 100

✓ 3. 92

✗ 4. 108

Q.5 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. 8

✗ 2. 2

✗ 3. 3

✗ 4. 1

Q.6 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. AFGV

✗ 2. AVGH

✗ 3. AVGF

✓ 4. AFGV

Q.7 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. 18th

✗ 2. 20th

✓ 3. 19th

✗ 4. 21st

Q.8 What should come in place of the question mark (?) in the given series?
84, 85, 87, 91, 99, ?

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

Q.9 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. One
 - ☐ 2. More than two
 - ☐ 3. None
 - ☒ 4. Two

Q.10 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 north
 - ☐ 2. 7 km towards west
 - ☒ 3. 7 km towards north
 - ☐ 4. 9 km towards south

Q.11 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.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. Neither conclusion (I) nor (II) follows.
 - ☒ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (I) follows.
 - ☐ 4. Only conclusion (II) follows.

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 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. KE-MI
✗ 2. MG-PK
✗ 3. ZT-CX
✗ 4. EY-HC

Q.14 What should come in place of the question mark (?) in the given series?

86 88 92 100 116 ?

- Ans** ✗ 1. 180
✓ 2. 148
✗ 3. 132
✗ 4. 144

Q.15 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. WBZ 161
✗ 2. UDB 159
✓ 3. VCA 159
✗ 4. WDC 161

Q.16 Nushrat ranked 12th from the bottom and 21st from the top in his class. How many students are there in his class?

- Ans** ✗ 1. 30
✗ 2. 31
✓ 3. 32
✗ 4. 33

Q.17 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. 154
✗ 2. 152
✓ 3. 153
✗ 4. 151

Q.18 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. One
✗ 2. Four
✗ 3. Two
✗ 4. Three

Q.19 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. KVJ 22
 - ☒ 2. KWJ 25
 - ☒ 3. JVI 22
 - ☒ 4. JWI 25

Q.20 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. 3
 - ☒ 2. 2
 - ☒ 3. 1
 - ☒ 4. 4

Q.21 What should come in place of the question mark (?) in the given series?

7 7 10 18 33 ?

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

Q.22 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. 76
 - ☒ 3. 77
 - ☒ 4. 78

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

Q.25 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. 8
 - ☐ 2. 5
 - ☐ 3. 6
 - ☒ 4. 7

Q.26 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. JF 22
 - ☐ 2. JK 16
 - ☐ 3. MP 18
 - ☒ 4. JF 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. GL-HF
 - ☐ 2. KP-LI
 - ☐ 3. MR-NK
 - ☐ 4. IN-JG

Q.28 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.29 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. West
 - ☐ 4. South

Q.30 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. None
 - ☐ 2. Two
 - ☐ 3. Three
 - ☒ 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 Center Name	iON Digital Zone iDZ Arrah
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 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. Tamil Nadu
☐ 2. West Bengal
☐ 3. Chhattisgarh
☐ 4. Gujarat

Q.2 Article 19 of the Indian Constitution guarantees six freedoms. Which of the following is NOT one of them?

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

Q.3 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. Statement 1 is correct and 2 is incorrect
☐ 2. Both Statements 1 and 2 are correct
☒ 3. Statement 2 is correct and 1 is incorrect
☐ 4. Both Statements 1 and 2 are incorrect

Q.4 Which agency developed the Vikram 3201 and Kalpana 3201 microprocessors for space applications in 2025?

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

Q.5 According to IQAir's World Air Quality Report released in March 2025, which place in Meghalaya is the most polluted globally?

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

Q.6 Womesh Chandra Bonnerjee represented Calcutta University in the Bengal Legislative Council during _____.

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

Q.7 Where was Gandhi's method of Satyagraha first evolved and later fully developed as a freedom struggle tool in India?

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

Q.8 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. Bhubaneswar Kumar
 - ☒ 2. Arjun Erigaisi
 - ☐ 3. Praggnanandhaa Rameshbabu
 - ☐ 4. Pentala Harikrishna

Q.9 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. Bindusara
 - ☐ 2. Devavarman Maurya
 - ☒ 3. Ashoka
 - ☐ 4. Samprati Maurya

Q.10 The Right to Public Services legislation was first introduced by which Indian state?

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

Q.11 Which of the following is classified as micronutrients?

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

Q.12 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. Indo-Tibetan Border Police (ITBP)
 - ☒ 2. National Security Guard (NSG)
 - ☐ 3. Central Reserve Police Force (CRPF)
 - ☐ 4. Central Industrial Security Force (CISF)

Q.13 Which of the following is a preventive measure for nuclear disasters?

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

Q.14 The Chagos Archipelago, recently in the news, is a disputed territory between which two countries?

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

Q.15 The initial form of Odissi dance was performed by women serving in temples. What was their traditional designation?

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

Q.16 What does the abbreviation 'SRAM' stand for in computer memory?

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

Q.17 The 'Special Food Grain Production Programme (SFPP) on Pulses' was implemented during the year ____.

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

Q.18 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. Third
 - ☒ 2. First
 - ☐ 3. Fourth
 - ☐ 4. Second

Q.19 What was the name of the Indian contender at the 72nd edition of the Miss World, 2025, pageant, held in Telangana?

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

Q.20 Which Article provides for the formation of Ward Committees in Municipal areas?

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

Q.21 Which of the following is considered a poor file management practice on a computer system?

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

Q.22 Which of the following statements about the Peninsular Plateau of India is NOT correct?

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

Q.23 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. Pradhan Mantri Gram Sadak Yojana
 - ☐ 2. Pradhan Mantri Awas Yojana
 - ☐ 3. Saansad Adarsh Gram Yojana
 - ☐ 4. Deendayal Antyodaya Yojana - National Rural Livelihoods Mission

Q.24 The Golden Temple, which is situated in Amritsar, Punjab, is alternatively known as _____.

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

Q.25 Which Indian athlete won gold in the women's high jump at the 2025 Asian Athletics Championships?

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

Q.26 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. air defense operations
 - ☒ 3. counter-terrorism
 - ☐ 4. naval fleet manoeuvres

Q.27 As of March 14, 2024, which of the following is the world's highest railway bridge?

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

Q.28 The first systematisation of the Jain canonical literature took place at ____.

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

Q.29 What significant change did the Securities and Exchange Board of India (SEBI) implement in 2025 regarding derivatives trading?

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

Q.30 What was the Supreme Court's decision regarding the Kamla Nehru Memorial Trust's land allotment in Uttar Pradesh?

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

Q.31 Which of the following Indian states has all three types of physical divisions – plateau, plains, and coastal plains?

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

Q.32 Which of the following Directive Principles of State Policy is provided under Article 43A of the Indian Constitution?

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

Q.33 Which of the following Acts marked the beginning of British parliamentary control over the East India Company?

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

Q.34 Who initiated the Sampoorna Grameen Rozgar Yojana (SGRY)?

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

Q.35 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. ₹1 lakh crore
 - ✗ 2. ₹2 lakh crore
 - ✗ 3. ₹5 lakh crore
 - ✗ 4. ₹50,000 crore

Q.36 Which medical term describes an eating disorder in which energy expenditure is restricted below requirements, leading to significant weight loss?

- Ans**
- ✗ 1. Diabulimia Nervosa
 - ✗ 2. Orthorexia Nervosa
 - ✓ 3. Anorexia Nervosa
 - ✗ 4. Bulimia Nervosa

Q.37 In 2025, the Indian government approved the setup of which numbered launch pad at Sriharikota?

- Ans**
- ✓ 1. Launch Pad Three
 - ✗ 2. Launch Pad One
 - ✗ 3. Launch Pad Four
 - ✗ 4. Launch Pad Zero

Q.38 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.39 Which geographical feature separates India from Sri Lanka?

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

Q.40 Who, in 1816, modified Newton's formula for the speed of sound to take into account adiabatic compression in air?

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

Section : Mathematics

Q.1 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. 146°
 - ✓ 2. 145°
 - ✗ 3. 140°
 - ✗ 4. 139°

Q.2 Find the surface area of a sphere whose diameter is equal to 14 cm.

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

Q.3 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. $8\frac{12}{25} \text{ hours}$
 - ✓ 2. $4\frac{12}{25} \text{ hours}$
 - ✗ 3. $11\frac{12}{25} \text{ hours}$
 - ✗ 4. $2\frac{12}{25} \text{ hours}$

Q.4 An item is marked for ₹18,000. A shopkeeper gives two successive d

- Ans**
- ✗ 1. ₹16,390
 - ✓ 2. ₹15,390
 - ✗ 3. ₹17,390
 - ✗ 4. ₹14,390

Q.5 Find the value of $\frac{1 - \sec^2\theta}{\sin^2\theta} \times \cos^2\theta$.

- Ans**
- ✓ 1. -1
 - ✗ 2. $\tan\theta$
 - ✗ 3. $\tan^2\theta$
 - ✗ 4. 1

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

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

Q.7 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. 8,977
 - ☐ 3. 8,975
 - ☐ 4. 8,979

Q.8 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

Q.9 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. 35
 - ☐ 2. 105
 - ☐ 3. 115
 - ☒ 4. 24

Q.10 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. 48.89
 - ☐ 2. 40.17
 - ☒ 3. 43.89
 - ☐ 4. 36.24

Q.11 The value of $\sqrt{256} + \sqrt{0.0256} - \sqrt{4.41}$ is _____.

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

Q.12 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. 3,345
 - ☐ 3. 3,702
 - ☐ 4. 3,257

Q.13 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. 62%
 - ☐ 3. 59%
 - ☐ 4. 60%

Q.14 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. 36 km/hr
 - ☐ 2. 37 km/hr
 - ☐ 3. 29 km/hr
 - ☐ 4. 26 km/hr

Q.15 *By how much is 65% of 75 greater than $\frac{2}{5}$ of 55?*

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

Q.16 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. 10
 - ☐ 2. 9
 - ☒ 3. 8
 - ☐ 4. 12

Q.17 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. 6 : 2
 - ☐ 2. 7 : 4
 - ☒ 3. 4 : 1
 - ☐ 4. 1 : 6

Q.18 Find the value of x satisfying: $2(3x^2 - 6) - 3(2x^2 + 8x - 5) = 14$

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

Q.19 The curved surface area of a right circular cylinder is 5280 cm^2 and its

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

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

Q.20 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. 9 days
 - ☐ 2. 11 days
 - ☐ 3. 10 days
 - ☐ 4. 12 days

Q.21 The number of prime numbers lying between 430 and 438, both included, is:

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

Q.22 Which of the following numbers is divisible by 14?

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

Q.23 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. ₹300
 - ☒ 2. ₹303
 - ☐ 3. ₹304
 - ☐ 4. ₹306

Q.24 The simple interest on a certain sum for $8\frac{4}{7}$ years at the rate of 6.8%

What will be the amount payable on the same sum at the rate of 9.7%

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

Q.25 The product of two consecutive positive natural numbers is 812. The greater of the two numbers is:

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

Q.26 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. ₹9,093
 - ☐ 2. ₹10,752
 - ☐ 3. ₹7,053
 - ☒ 4. ₹9,040

Q.27 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.28 The average of first 155 even numbers is

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

Q.29 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. 15
 - ☐ 2. 17
 - ☐ 3. 13
 - ☐ 4. 11

Q.30 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. ₹10.20
 - ☐ 2. ₹10.10
 - ☒ 3. ₹10.60
 - ☐ 4. ₹10.30

Section : General Intelligence and Reasoning

Q.1 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. KJSM
 - ☐ 3. KSDF
 - ☐ 4. KMSJ

Q.2 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. XLYF
 - ☐ 2. VNXG
 - ☒ 3. WMXH
 - ☐ 4. VLWF

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. IBE
 - ☐ 2. QJN
 - ☐ 3. TMQ
 - ☐ 4. NGK

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. WY-RU
 - ☒ 2. RT-MO
 - ☐ 3. OQ-JM
 - ☐ 4. UW-PS

Q.5 Niku ranked 24th from the top and 13th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 36
 - ☐ 2. 37
 - ☐ 3. 34
 - ☐ 4. 35

Q.6 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. Five
 - ☐ 2. Two
 - ☐ 3. One
 - ☐ 4. Four

Q.7 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. 7
 - ☒ 2. 9
 - ☐ 3. 6
 - ☐ 4. 1

Q.8 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 mother
 - ☐ 2. Son's wife's sister
 - ☐ 3. Son's wife's brother
 - ☒ 4. Son's wife's father

Q.9 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. Neither conclusion (I) nor (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (II) follows.
 - ☒ 4. Only conclusion (I) follows.

Q.10 What should come in place of the question mark (?) in the given series?

679 680 684 693 709 ?

- Ans**
- ☐ 1. 739
 - ☐ 2. 741
 - ☒ 3. 734
 - ☐ 4. 731

Q.11 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. 3
 - ☐ 2. 2
 - ☐ 3. 1
 - ☒ 4. 0

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. HY - DD
 ☐ 2. IL - FQ
 ☐ 3. QE - NJ
 ☐ 4. WR - TW

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. 53
 ☐ 3. 54
 ☐ 4. 52

Q.14 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. I
 ☐ 2. K
 ☐ 3. U
 ☐ 4. H

Q.15 What should come in place of the question mark (?) in the given series?

450 455 461 466 472 477 483 ?

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

Q.16 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. 96, 48
 ☐ 2. 54, 18
 ☐ 3. 65, 13
 ☐ 4. 12, 24

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

18 58 47 145 134 ?

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

Q.18 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. Three
 - ☒ 2. Zero
 - ☒ 3. Two
 - ☒ 4. One

Q.19 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. Southeast
 - ☒ 4. Northwest

Q.20 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. 84 km towards west
 - ☒ 2. 71 km towards west
 - ☒ 3. 81 km towards east
 - ☒ 4. 77 km towards east

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.

MINK - IKNM - KNIM
PLOT - LTOP - TOLP

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

Q.22 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. OUQ 15
 - ☒ 2. PTP 20
 - ☒ 3. MTP 20
 - ☒ 4. PUQ 15

Q.23 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. Three
☐ 2. None
☒ 3. One
☐ 4. Two

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

$$42 - 7 \times 12 \div 3 + 13 = ?$$

- Ans ☐ 1. 22
☒ 2. 29
☐ 3. 11
☐ 4. 15

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 (I) follows.
☐ 3. Both conclusions (I) and (II) follow.
☒ 4. Only conclusion (II) follows.

Q.26 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. 10
☐ 3. 9
☒ 4. 11

Q.27 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. Three
☐ 2. Four
☐ 3. Two
☒ 4. One

Q.28 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. 1
 - ☐ 2. 3
 - ☐ 3. 4
 - ☐ 4. 2

Q.29 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. PQS
 - ☒ 2. OJL
 - ☐ 3. PJS
 - ☐ 4. OQK

Q.30 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. 559
 - ☐ 2. 612
 - ☐ 3. 716
 - ☒ 4. 654



सत्यमेव जयते

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 Center Name	iON Digital Zone iDZ Kollam
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 stone was mainly utilised in building the Chennakeshava Temple in Belur, India?

- Ans**
- ☒ 1. Soapstone
 - ☐ 2. Marble
 - ☐ 3. Granite
 - ☐ 4. Sandstone

Q.2 According to the Brønsted-Lowry theory, which of the following defines an acid?

- Ans**
- ☐ 1. Donates a hydroxide ion
 - ☒ 2. Donates a proton
 - ☐ 3. Accepts a proton
 - ☐ 4. Accepts an electron pair

Q.3 Under which of the following conditions is a Tribal Advisory Council (TAC) established in a State?

- Ans**
- ☐ 1. If the State has any forest area
 - ☐ 2. When the tribal population exceeds 50%
 - ☒ 3. If there is at least one Scheduled Tribe
 - ☐ 4. When the tribal population exceeds 10%

Q.4 Which Indian state hosted the 38th edition of the National Games in early 2025?

- Ans**
- ☒ 1. Uttarakhand
 - ☐ 2. Gujarat
 - ☐ 3. Kerala
 - ☐ 4. Goa

Q.5 At the time of independence, which sector contributed the largest share to India's national income?

- Ans**
- ☐ 1. Trade
 - ☐ 2. Service
 - ☒ 3. Agriculture
 - ☐ 4. Industry

Q.6 Who was the Union Home Minister of India as of June 2025, following the general elections?

- Ans**
- ☐ 1. Piyush Goyal
 - ☐ 2. Nirmala Sitharaman
 - ☒ 3. Amit Shah
 - ☐ 4. Rajnath Singh

Q.7 The Faraizi Movement, led by Haji Shariatullah, focused on religious purification and resisting the British in which region?

- Ans**
- ☐ 1. Gujarat
 - ☐ 2. Punjab
 - ☐ 3. Delhi
 - ☒ 4. Bengal

Q.8 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.9 Which resilient and adaptable polymer is frequently found in industrial brushes, toothbrushes, and other cleaning supplies?

- Ans**
- ☐ 1. Neoprene
 - ☒ 2. Nylon 6, 6
 - ☐ 3. Terylene
 - ☐ 4. Teflon

Q.10 President Murmu went to which country in April 2025 to represent India at the funeral of Pope Francis?

- Ans**
- ☐ 1. Italy
 - ☐ 2. Germany
 - ☒ 3. Vatican City
 - ☐ 4. France

Q.11 In 2025, what does the abbreviation NGLV stand for in ISRO's latest rocket programme?

- Ans**
- ☒ 1. Next Generation Launch Vehicle
 - ☐ 2. New Generation Lunar Vehicle
 - ☐ 3. Nuclear Geo Launch Vehicle
 - ☐ 4. National Geo Lander Vehicle

Q.12 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. Investigate deep space phenomena
 - ☐ 4. Explore the Moon's surface

Q.13 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. New Delhi, India
 - ☒ 2. Chicago, USA
 - ☐ 3. London, UK
 - ☐ 4. Toronto, Canada

Q.14 Which of the following is a shallow desert depression formed by wind erosion?

- Ans**
- ☒ 1. Deflation hollow
 - ☐ 2. Playa
 - ☐ 3. Inselberg
 - ☐ 4. Pediment

Q.15 Which of the following Parliamentary Committees of India is considered a 'Financial Committee'?

- Ans**
- ☐ 1. Committee on Privileges
 - ☒ 2. Estimates Committee
 - ☐ 3. Committee on Welfare of SCs and STs
 - ☐ 4. Committee on Petitions

Q.16 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. Hindus from Sri Lanka
 - ☒ 2. Sikhs from Pakistan
 - ☐ 3. Buddhists from Nepal
 - ☐ 4. Jews from Israel

Q.17 In which border areas did India and China agree on patrolling arrangements along the Line of Actual Control on 21 October 2024?

- Ans**
- ☒ 1. Depsang and Demchok
 - ☐ 2. Puga and Chumathang
 - ☐ 3. Aksai and Lingzi Thang
 - ☐ 4. Rudok and Guge

Q.18 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. Sirohi
 - ☐ 3. Rajsamand
 - ☒ 4. Ajmer

Q.19 Which 18th-century revolt was led by Raja Chait Singh against British interference in the Benares region in 1781?

- Ans**
- ☐ 1. Chuar Revolt
 - ☐ 2. Santhal Revolt
 - ☐ 3. Kol Revolt
 - ☒ 4. Benares Revolt

Q.20 What is the main reason behind the formation of lagoons along the Eastern Coastal Plains?

- Ans**
- ☐ 1. Tectonic activity and fault line shifts
 - ☐ 2. Coral reef development and volcanic islands
 - ☒ 3. Deposition by rivers and wave action along the coast
 - ☐ 4. Sand deposition along the shallow coastlines

Q.21 The Nizam of Hyderabad accepted British subsidiary alliance under _____.

- Ans**
- ☐ 1. Sir John Shore
 - ☐ 2. Lord Cornwallis
 - ☒ 3. Lord Wellesley
 - ☐ 4. Lord Hastings

Q.22 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 used only gold to make tools, pots and pans.
 - ☐ 4. The Harappans were engaged in active trade.

Q.23 In how many assembly constituencies were the Delhi Assembly elections held on 5 February 2025?

- Ans**
- ☒ 1. 70
 - ☐ 2. 62
 - ☐ 3. 78
 - ☐ 4. 55

Q.24 Which type of memory loses all its stored data when the power is turned off?

- Ans**
- ☐ 1. ROM
 - ☐ 2. Hard disk drive
 - ☒ 3. RAM
 - ☐ 4. USB flash drive

Q.25 During the colonial period in India, which social reformer worked for widow remarriage and against child marriage in Bengal?

- Ans**
- ☐ 1. Syed Ahmed Khan
 - ☒ 2. Ishwar Chandra Vidyasagar
 - ☐ 3. Swami Vivekananda
 - ☐ 4. Jyotiba Phule

Q.26 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. Jaspreet Kaur
 - ☐ 4. Kavipriya Raja

Q.27 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.28 Which global chip-design conference, returning to San Francisco in June 2025, for its 62nd edition, announced a GenAI Chip Hackathon?

- Ans**
- ☒ 1. DAC
 - ☐ 2. ISSCC
 - ☐ 3. Hot Chips
 - ☐ 4. ICCAD

Q.29 Which of the following is an example of soft infrastructure?

- Ans**
- ☐ 1. Airports
 - ☒ 2. Public education
 - ☐ 3. Bridges
 - ☐ 4. Water pipelines

Q.30 Which of the following allows users to delete a file using the mouse?

- Ans**
- ☐ 1. Copy the file
 - ☐ 2. Left-click the file
 - ☒ 3. Drag it to the Recycle Bin
 - ☐ 4. Minimize the window

Q.31 If an object moves up to four times faster than the speed of sound, the condition is called:

- Ans**
- ☐ 1. transonic
 - ☒ 2. supersonic
 - ☐ 3. hypersonic
 - ☐ 4. subsonic

Q.32 Which of the following was the official theme for World Meteorological Day celebrated on 23 March 2025?

- Ans**
- ☐ 1. Weather-Ready, Climate-Smart
 - ☐ 2. Investing in Weather and Climate Services
 - ☐ 3. Climate Knowledge for Climate Action
 - ☒ 4. Closing the Early Warning Gap Together

Q.33 Which Act created the post of the Governor-General of Bengal?

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

Q.34 Which of the following regional film industries is based in Chennai and produces movies in the Tamil language?

- Ans**
- ☐ 1. Bollywood
 - ☐ 2. Tollywood
 - ☒ 3. Kollywood
 - ☐ 4. Mollywood

Q.35 Which of the following is a characteristic feature of subsistence farming?

- Ans**
- ☐ 1. Commercial crop production
 - ☒ 2. Farming for family consumption
 - ☐ 3. Use of high-yielding varieties
 - ☐ 4. Use of modern irrigation techniques

Q.36 The Rihand Hydroelectric Project is located in which district of Uttar Pradesh?

- Ans**
- ☐ 1. Guna
 - ☒ 2. Sonbhadra
 - ☐ 3. Robertsganj
 - ☐ 4. Saharanpur

Q.37 Privatisation aims to improve ____ in public enterprises.

- Ans**
- ☐ 1. political influence
 - ☐ 2. government expenditure
 - ☐ 3. bureaucratic control
 - ☒ 4. operational efficiency and competitiveness

Q.38 The Convention on Biological Diversity (CBD) was a result of which global conference?

- Ans**
- ☐ 1. Paris Agreement
 - ☒ 2. Earth Summit, 1992
 - ☐ 3. Kyoto Conference
 - ☐ 4. Stockholm Conference

Q.39 Which scheme has been launched by the Chief Minister of Kerala in May 2025 to educate migrant children?

- Ans**
- ☒ 1. Jyothi
 - ☐ 2. Gargi
 - ☐ 3. Pratibha
 - ☐ 4. Usha

Q.40 Which city hosted the opening ceremony of the 2025 National Games?

- Ans**
- ☐ 1. Nainital
 - ☒ 2. Dehradun
 - ☐ 3. Haridwar
 - ☐ 4. Patna

Section : Mathematics

Q.1 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. 8.31
 - ☐ 3. 6.37
 - ☒ 4. 7.29

Q.2 Evaluate: $(-9) - (-60) \div (-10) + (-3) \times 6$

- Ans**
- ☐ 1. -32
 - ☐ 2. -36
 - ☐ 3. -35
 - ☒ 4. -33

Q.3 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. $\frac{3}{10}$
 - ☐ 3. $\frac{7}{10}$
 - ☒ 4. $\frac{1}{10}$

Q.4 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. ₹2,160
 - ☐ 2. ₹2,109
 - ☐ 3. ₹2,316
 - ☐ 4. ₹2,264

Q.5 Pipe P can fill $\frac{5}{7}$ part of a tank in 30 hours, and pipe Q can fill $\frac{2}{5}$ part

Both P and Q were kept open for 7 hours, then both were closed. Pipe R emptied the water in the tank in 8 hours. Pipes P, Q and R together

- Ans**
- ☐ 1. 214 hours
 - ☐ 2. 222 hours
 - ☐ 3. 204 hours
 - ☒ 4. 210 hours

Q.6 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. 15 %
 - ☒ 2. 8%
 - ☐ 3. 10%
 - ☐ 4. 5%

Q.7 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. 51
 - ☐ 2. 71
 - ☐ 3. 61
 - ☐ 4. 66

Q.8 The sum of two numbers is 57 and their L.C.M. is 812. What are the two numbers?

- Ans**
- ☒ 1. 28, 29
 - ☐ 2. 26, 31
 - ☐ 3. 33, 24
 - ☐ 4. 21, 36

Q.9 The greatest number that divides 131, 91, and 215, leaving remainders 8, 9, and 10 respectively, is:

- Ans**
- ☐ 1. 37
 - ☐ 2. 57
 - ☒ 3. 41
 - ☐ 4. 61

Q.10 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. 32
 - ☒ 3. 12
 - ☐ 4. 31

Q.11 What smallest number should be added to 91673 so that the sum is completely divisible by 88?

- Ans**
- ☐ 1. 24
 - ☒ 2. 23
 - ☐ 3. 21
 - ☐ 4. 26

Q.12 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. 18.48
 - ☐ 2. 16.7
 - ☐ 3. 15.54
 - ☒ 4. 15.8

Q.13 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. 55
 - ☐ 3. 63
 - ☒ 4. 60

Q.14 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. $\frac{560}{21}\%$ profit
 - ☒ 2. $\frac{550}{21}\%$ loss
 - ☐ 3. $\frac{550}{21}\%$ profit
 - ☐ 4. 550 % loss

Q.15 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. 3
 - ☐ 2. 11
 - ☐ 3. 12
 - ☐ 4. 5

Q.16 Which of the following numbers divides 4,81,355?

- Ans**
- ☒ 1. 5
 - ☐ 2. 6
 - ☐ 3. 3
 - ☐ 4. 15

Q.17 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. ₹46,400
 - ☐ 3. ₹42,889
 - ☒ 4. ₹44,640

Q.18 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month for 11 months.

- Ans**
- ☐ 1. ₹66
 - ☐ 2. ₹53
 - ☐ 3. ₹33
 - ☒ 4. ₹396

Q.19 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. ₹45
 - ☐ 2. ₹43
 - ☐ 3. ₹44
 - ☐ 4. ₹46

Q.20 The sum of the squares of two consecutive odd natural numbers is 394. The sum of the numbers is:

- Ans**
- ☒ 1. 28
 - ☐ 2. 24
 - ☐ 3. 32
 - ☐ 4. 22

Q.21 Rahul buys a box of pens (listed price of ₹900) with a trade discount of 30%. What is the net price?

- Ans**
- ☒ 1. ₹630
 - ☐ 2. ₹700
 - ☐ 3. ₹600
 - ☐ 4. ₹750

Q.22 By selling an article at $\frac{2}{5}$ of its actual selling price, Nirbhay incurs a loss. If he sells it at 84% of its actual selling price, then the profit percentage is

- Ans
- ☐ 1. 55.6%
 - ☐ 2. 56.7%
 - ☐ 3. 57.8%
 - ☒ 4. 55.4%

Q.23 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.24 A number when increased by 80% gives 2790. The number is:

- Ans
- ☐ 1. 3100
 - ☒ 2. 1550
 - ☐ 3. 775
 - ☐ 4. 4650

Q.25 A regular polygon has 30 sides. Find the measure of one interior angle

- Ans
- ☐ 1. 12°
 - ☒ 2. 168°
 - ☐ 3. 128°
 - ☐ 4. 48°

Q.26 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.27 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.28 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. 150 cm
 - ☒ 2. 180 cm
 - ☐ 3. 120 cm
 - ☐ 4. 210 cm

Q.29 Find the value of $\sin (90 - x) \cos (180 - (x - y)) + \cos (90 - x) \sin (180 - (y - x))$.

- Ans**
- ☐ 1. $\cos y$
 - ☐ 2. $-\sin y$
 - ☒ 3. $-\cos y$
 - ☐ 4. $\sin y$

Q.30 If the third proportional of 81 and 27 is x, then what is the value of x?

- Ans**
- ☐ 1. 6
 - ☐ 2. 11
 - ☒ 3. 9
 - ☐ 4. 7

Section : General Intelligence and Reasoning

Q.1 What should come in place of the question mark (?) in the given series?

312 296 280 264 ? 232 216

- Ans**
- ☒ 1. 248
 - ☐ 2. 242
 - ☐ 3. 240
 - ☐ 4. 260

Q.2 What should come in place of the question mark (?) in the given series?

31 47 63 79 ? 111 127

- Ans**
- ☐ 1. 101
 - ☐ 2. 92
 - ☒ 3. 95
 - ☐ 4. 85

Q.3 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. KPI68
 - ☒ 2. KPI69
 - ☐ 3. KPJ69
 - ☐ 4. KPJ68

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) £ \$ 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. 3
 - ☐ 2. 2
 - ☐ 3. 0
 - ☒ 4. 1

Q.5 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. 4
 - ☐ 3. 8
 - ☒ 4. 6

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 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. Two
 - ☐ 3. Four
 - ☒ 4. Three

Q.7 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. Two
 - ☒ 2. None
 - ☐ 3. One
 - ☐ 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:

Some woods are chisels.

Some chisels are graphs.

Conclusions:

(I) Some woods are graphs.

(II) All graphs are chisels.

- 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.9 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. Neither conclusion (I) nor (II) follows.
 - ✗ 2. Both conclusions (I) and (II) follow.
 - ✗ 3. Only conclusion (II) follows.
 - ✗ 4. Only conclusion (I) follows.

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 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. GC – MP
 - ✗ 2. XT – DG
 - ✓ 3. TP – ZD
 - ✗ 4. BX – HK

Q.11 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. LKJ 114
 - ✗ 2. QKM 112
 - ✗ 3. OIL 114
 - ✓ 4. PJK 112

Q.12 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. E
 - ✓ 2. D
 - ✗ 3. A
 - ✗ 4. B

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 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. 5
 - ✓ 2. 3
 - ✗ 3. 7
 - ✗ 4. 9

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. QMO
 - ☒ 2. TPS
 - ☒ 3. NJL
 - ☒ 4. LHJ

Q.15 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. 6
 - ☒ 2. 8
 - ☒ 3. 4
 - ☒ 4. 3

Q.16 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. 4
 - ☒ 2. 2
 - ☒ 3. 8
 - ☒ 4. 6

Q.17 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. 2
 - ☒ 2. 6
 - ☒ 3. 4
 - ☒ 4. 3

Q.18 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. BIPK
 - ☒ 2. BIKP
 - ☒ 3. BIPL
 - ☒ 4. BPKI

Q.19 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. 185, 36
 - ☒ 2. 155, 30
 - ☒ 3. 160, 32
 - ☒ 4. 200, 42

Q.20 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. Four
☐ 2. One
☐ 3. Three
☐ 4. Two

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. ORQ
☐ 2. DGF
☒ 3. POT
☐ 4. FIH

Q.22 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. INGK
☐ 3. NIKG
☒ 4. NIGK

Q.23 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. Brother
☐ 2. Wife
☒ 3. Mother's brother
☐ 4. Father

Q.24 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 North
☒ 2. 3 km to South
☐ 3. 4 km to South
☐ 4. 4 km to North

Q.25 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. ZWJO
☐ 2. ZJOW
☐ 3. ZWOJ
☐ 4. ZJOI

Q.26 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. Four
 - ☐ 2. One
 - ☐ 3. Two
 - ☒ 4. Three

Q.27 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. 3rd
 - ☐ 2. 4th
 - ☒ 3. 5th
 - ☐ 4. 6th

Q.28 If '+' means 'subtraction', '-' means 'multiplication', '×' 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. 23
 - ☒ 3. 19
 - ☐ 4. 27

Q.29 What should come in place of the question mark (?) in the given series?

670 669 661 634 570 ?

- Ans**
- ☐ 1. 447
 - ☐ 2. 441
 - ☐ 3. 440
 - ☒ 4. 445

Q.30 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. 22 km towards the east
 - ☐ 2. 31 km towards the south
 - ☒ 3. 24 km towards the west
 - ☐ 4. 29 km towards the east



सत्यमेव जयते

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 Center Name	IHNC Mahaveer Bazar
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 A free trade arrangement of the SAARC countries, the South Asian Free Trade Area (SAFTA), came into force in which year?

- Ans
- ☐ 1. 2018
 - ☐ 2. 2000
 - ☒ 3. 2006
 - ☐ 4. 2010

Q.2 In which of the following years was the Bengal Sati Regulation enacted?

- Ans
- ☐ 1. 1858
 - ☐ 2. 1818
 - ☐ 3. 1837
 - ☒ 4. 1829

Q.3 Who were the Voharikas in the judicial structure of the Magadha period?

- Ans
- ☐ 1. Military generals
 - ☐ 2. Local tax collectors
 - ☒ 3. Lawyer-Judges
 - ☐ 4. Judges in village assemblies

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. Yuvraj
 - ☐ 2. Amar
 - ☒ 3. Zorawar
 - ☐ 4. Dhruv

Q.5 Decathlon, which set up its first outlet in India in Bengaluru in 2009, is a _____.

- Ans
- ☒ 1. French sports goods retailer
 - ☐ 2. Swedish sports goods retailer
 - ☐ 3. German sports goods retailer
 - ☐ 4. Chinese sports goods retailer

Q.6 What is a notable characteristic of the carvings found at the entrances of the Sanchi Stupa?

- Ans**
- ☐ 1. Mythical creatures like yakshas and kinnaras
 - ☐ 2. Mauryan royal figures
 - ☒ 3. Jataka story narratives
 - ☐ 4. Buddha's post-enlightenment life

Q.7 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.8 In which of the following years was the National Seeds Policy launched?

- Ans**
- ☒ 1. 2002
 - ☐ 2. 2007
 - ☐ 3. 2010
 - ☐ 4. 2018

Q.9 The President of India, Droupadi Murmu, conferred which Jnanpith Award on the Sanskrit scholar Jagadguru Rambhadracharya in May 2025?

- Ans**
- ☐ 1. 52nd
 - ☐ 2. 48th
 - ☒ 3. 58th
 - ☐ 4. 62nd

Q.10 Barapani Lake of Shillong is also known as _____.

- Ans**
- ☐ 1. Shilloi Lake
 - ☐ 2. Jaisamand Lake
 - ☐ 3. Haflong Lake
 - ☒ 4. Umiang Lake

Q.11 Which renewable energy source is dependent on the gravitational pull of the moon?

- Ans**
- ☐ 1. Wind energy
 - ☐ 2. Solar energy
 - ☐ 3. Biomass energy
 - ☒ 4. Tidal energy

Q.12 Which of the following rivers is associated with National Waterway 10 (NW-10)?

- Ans**
- ☒ 1. Amba river
 - ☐ 2. Chambal river
 - ☐ 3. Yamuna river
 - ☐ 4. Brahmaputra river

Q.13 During the Satavahanas kingdom, what did the terms 'ahara' or 'rashtra' refer to?

- Ans**
- ☐ 1. A temple land
 - ☒ 2. A district
 - ☐ 3. A capital city
 - ☐ 4. A tax officer

Q.14 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. Kenya
 - ☒ 2. Tanzania
 - ☐ 3. Seychelles
 - ☐ 4. Comoros

Q.15 _____ serves as the conventional base material for the art form known as Kalamkari.

- Ans**
- ☐ 1. Metal
 - ☐ 2. Wood
 - ☒ 3. Cloth
 - ☐ 4. Paper

Q.16 Which of the following organs represents the female reproductive part of a flower in angiosperms?

- Ans**
- ☐ 1. Androecium
 - ☒ 2. Gynoecium
 - ☐ 3. Petal
 - ☐ 4. Stamen

Q.17 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 Commerce and Industry
 - ☒ 2. Ministry of Civil Aviation
 - ☐ 3. Ministry of Corporate Affairs
 - ☐ 4. Ministry of Housing and Urban Affairs

Q.18 Which of the following correctly describes the Planning Commission of India?

- Ans**
- ☐ 1. A constitutional commission chaired by the Chief Justice of India.
 - ☐ 2. A constitutional body established by an Article of the Constitution.
 - ☐ 3. A statutory body created by an Act of Parliament in 1950.
 - ☒ 4. An extra-constitutional advisory body created by a government resolution in 1950.

Q.19 In 2025, which city in France hosted the French Open tennis tournament?

- Ans**
- ☐ 1. Marseille
 - ☒ 2. Paris
 - ☐ 3. Lyon
 - ☐ 4. Nice

Q.20 Which range is known for its rich biodiversity and is a UNESCO World Heritage Site?

- Ans**
- ☐ 1. Eastern Ghats
 - ☒ 2. Western Ghats
 - ☐ 3. Chotanagpur plateau
 - ☐ 4. Satpura Range

Q.21 In 2025, which two countries were involved in renewed tensions over the South China Sea, prompting international concern about maritime security?

- Ans**
- ☒ 1. China and Philippines
 - ☐ 2. USA and Iran
 - ☐ 3. Russia and Ukraine
 - ☐ 4. India and Pakistan

Q.22 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. Delafloxacin
 - ☐ 2. Pretomanid
 - ☐ 3. Lefamulin
 - ☒ 4. Nafithromycin

Q.23 The association of Devi Choudhurani and Bhawani Pathak with the Faqir-Sanyasi Rebellion in India indicates which of the following?

- Ans**
- ☒ 1. The rebellion had cross-religious and gender participation.
 - ☐ 2. The movement was dominated by upper-caste elites.
 - ☐ 3. The rebellions had a purely religious character.
 - ☐ 4. Only tribal groups led such resistances in Bengal.

Q.24 Under Article 239 of the Constitution, a Union Territory is administered by:

- Ans**
- ☐ 1. the Governor of an adjacent State
 - ☒ 2. the President of India
 - ☐ 3. the Prime Minister of India
 - ☐ 4. the Parliament of India

Q.25 Which Article of the Indian Constitution directs the State to promote the welfare of the people?

- Ans**
- ☒ 1. Article 38
 - ☐ 2. Article 43
 - ☐ 3. Article 47
 - ☐ 4. Article 42

Q.26 What was the official theme of India's 76th Republic Day Parade held on January 26, 2025?

- Ans**
- ☒ 1. Swarnim Bharat: Virasat aur Vikas
 - ☐ 2. Har Ghar Tiranga: Unity in Diversity
 - ☐ 3. Digital Bharat: Future Forward
 - ☐ 4. Viksit Bharat: Innovation & Inclusion

Q.27 Which body is entrusted with recruiting India's civil servants on the basis of merit?

- Ans**
- ☐ 1. The Election Commission of India
 - ☐ 2. State Governments through District Boards
 - ☐ 3. The President's Secretariat
 - ☒ 4. The Union Public Service Commission

Q.28 Who is the head of the civil administration of a district court in India?

- Ans**
- ☐ 1. Chief Judicial Magistrate
 - ☐ 2. District Collector
 - ☒ 3. District Judge
 - ☐ 4. Registrar General of the High Court

Q.29 In 2025, which of the following institutes developed the paper-based technology 'Freshness Keeper' to extend the freshness of cut flowers?

- Ans**
- ☒ 1. CSIR-Central Food Technological Research Institute
 - ☐ 2. Indian Institute of Horticulture Research
 - ☐ 3. IIT Bombay
 - ☐ 4. IIT Madras

Q.30 Which government initiative primarily focuses on improving human development by ensuring healthcare and nutrition for women and children?

- Ans**
- ☐ 1. Beti Bachao, Beti Padhao
 - ☒ 2. Poshan Abhiyaan
 - ☐ 3. Skill India Mission
 - ☐ 4. Digital India

Q.31 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. IIIT-Allahabad
 - ☐ 2. IIT Hyderabad
 - ☐ 3. IIT Kanpur
 - ☐ 4. IISc Bangalore

Q.32 [October 2024] Mongla Port, recently seen in the news for strategic development and trade ties, is located in which country?

- Ans**
- ☐ 1. Sri Lanka
 - ☐ 2. India
 - ☒ 3. Bangladesh
 - ☐ 4. Myanmar

Q.33 Which indigenously developed missile was successfully test fired by DRDO and Indian Navy on 26 March 2025?

- Ans**
- ☒ 1. Vertically Launched Short-Range Surface-to-Air Missile
 - ☐ 2. Short-Range Sea-to-Surface (Coast) Missile
 - ☐ 3. Short-Range Anti-Tank Missile
 - ☐ 4. Advanced Short Range Air-to-Air Missile

Q.34 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. Arrhythmias
 - ☐ 3. Cystic fibrosis
 - ☐ 4. Dyspepsia

Q.35 Volcanoes are often found in which type of plate boundary?

- Ans**
- ☒ 1. Convergent and divergent boundaries
 - ☐ 2. Transform boundaries only
 - ☐ 3. Divergent boundaries only
 - ☐ 4. Convergent and transform boundaries only

Q.36 Who is known as the 'Grand Old Man of India' and promoted Indian economic nationalism?

- Ans**
- ☒ 1. Dadabhai Naoroji
 - ☐ 2. Surendranath Banerjee
 - ☐ 3. Lala Lajpat Rai
 - ☐ 4. Gopal Krishna Gokhale

Q.37 When did the Hershey-Chase experiment provide solid evidence that DNA, not proteins, is the genetic material?

- Ans**
- ☐ 1. 1957
 - ☒ 2. 1952
 - ☐ 3. 1946
 - ☐ 4. 1950

Q.38 Which sectors were emphasised in the Eighth Five-Year Plan for employment generation?

- Ans**
- ☐ 1. Automotive and steel industries
 - ☒ 2. Animal husbandry, fishery, horticulture and rural industries
 - ☐ 3. Banking and finance
 - ☐ 4. IT and software services

Q.39 To change the desktop wallpaper, which option would you choose?

- Ans**
- ☐ 1. Settings > Ease of Access
 - ☒ 2. Settings > Personalization
 - ☐ 3. Settings > Apps
 - ☐ 4. Settings > Devices

Q.40 What is the main function of RAM in a computer?

- Ans**
- ☐ 1. To process graphics
 - ☐ 2. To store permanent data
 - ☐ 3. To control the printer
 - ☒ 4. To provide temporary storage for running programs

Section : Mathematics

Q.1 A shopkeeper buys a cycle for ₹3,500 and sells it at a discount of 20% with no gain no loss. What is the marked price of the cycle?

- Ans**
- ☒ 1. ₹4,375
 - ☐ 2. ₹3,475
 - ☐ 3. ₹7,343
 - ☐ 4. ₹5,374

Q.2 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. 45 hours
 - ☐ 3. 44 hours
 - ☐ 4. 36 hours

Q.3 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.4 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 9 months.

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

Q.5 Find the value of $[954 \div \{30 + 9 \times (3 - 6)\}]$.

- Ans**
- ☐ 1. 313
 - ☐ 2. 321
 - ☐ 3. 319
 - ☒ 4. 318

Q.6 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.7 3 years ago, the age of a father was 24 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans**
- ☐ 1. 19
 - ☐ 2. 25
 - ☒ 3. 21
 - ☐ 4. 23

Q.8 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. ₹73,715
 - ☐ 2. ₹73,608
 - ☐ 3. ₹73,516
 - ☒ 4. ₹73,600

Q.9 An item marked at ₹5,000 is given at successive discounts of 10% and 5%. Find the final selling price.

- Ans**
- ☒ 1. ₹4,275
 - ☐ 2. ₹4,250
 - ☐ 3. ₹4,320
 - ☐ 4. ₹4,350

Q.10 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. 34.82
 - ☒ 2. 33.82
 - ☒ 3. 32.82
 - ☒ 4. 35.82

Q.11 The angles of elevation of the top of a tower from two points X and Y the base and in the same straight line with it are complementary. The l

- Ans
- ☒ 1. $(ab)^{\frac{1}{2}}$
 - ☒ 2. $ab^{\frac{1}{2}}$
 - ☒ 3. ab
 - ☒ 4. $ba^{\frac{1}{2}}$

Q.12 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. 13.33
 - ☒ 3. 15.33
 - ☒ 4. 17.33

Q.13 The selling price of 20 books is equal to the cost price of 5 books. Find the loss or gain percentage.

- Ans
- ☒ 1. $\frac{100}{15}\% \text{ loss}$
 - ☒ 2. $\frac{100}{15}\% \text{ gain}$
 - ☒ 3. 75% gain
 - ☒ 4. 75% loss

Q.14 Find the mean proportional between 24 and 150.

- Ans
- ☒ 1. 70
 - ☒ 2. 50
 - ☒ 3. 60
 - ☒ 4. 40

Q.15 By how much is 65% of 65 greater than $\frac{1}{5}$ of 15?

- Ans
- ☒ 1. 39.25
 - ☒ 2. 36.25
 - ☒ 3. 37.25
 - ☒ 4. 33.25

Q.16 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 19^\circ$ and $\angle$

- Ans
- ☐ 1. 131°
 - ☒ 2. 132°
 - ☐ 3. 120°
 - ☐ 4. 128°

Q.17 The sides of a triangle are 82 cm, 18 cm, and 80 cm. What is its area? (in cm^2)

- Ans
- ☒ 1. 720
 - ☐ 2. 712
 - ☐ 3. 731
 - ☐ 4. 670

Q.18 Find the greatest number that will divide 49, 97 and 189 so as to leave the same remainder in each case.

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

Q.19 The number 444348269 is divisible by which of the following?

- Ans
- ☐ 1. 12
 - ☐ 2. 10
 - ☒ 3. 19
 - ☐ 4. 9

Q.20 The number 327087 is divisible by which of the following?

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

Q.21 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. $M - N = 1$
 - ☒ 2. $M - N = 2$
 - ☐ 3. $M = N$
 - ☐ 4. $M + N = -2$

Q.22 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. ₹73
 - ☒ 2. ₹70
 - ☐ 3. ₹68
 - ☐ 4. ₹66

Q.23 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. 194
 - ☒ 2. 193
 - ☐ 3. 190
 - ☐ 4. 189

Q.24 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. $\frac{27}{4}$

☐ 2. $\frac{44}{2}$

☒ 3. $\frac{35}{2}$

☐ 4. $\frac{31}{3}$

Q.25 The value of $10^2 + \sqrt{2^2} - 4\sqrt{25} - 3$ is

Ans

☒ 1. 79

☐ 2. 81

☐ 3. 69

☐ 4. 78

Q.26 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. ₹44,855

☐ 2. ₹44,035

☐ 3. ₹45,115

☒ 4. ₹44,800

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. 261

☒ 2. 329

☐ 3. 426

☐ 4. 242

Q.28 Find the area of a triangle with base 12 cm and height 8 cm.

Ans

☐ 1. 72 cm²

☐ 2. 96 cm²

☐ 3. 60 cm²

☒ 4. 48 cm²

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. 24,953

☐ 2. 24,960

☒ 3. 24,956

☐ 4. 24,958

Q.30 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. 11:30 AM
 - ☒ 3. 12:30 PM
 - ☐ 4. 11:10 AM

Section : General Intelligence and Reasoning

Q.1 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 354
 - ☐ 2. UUR 354
 - ☐ 3. XUM 354
 - ☐ 4. XUR 351

Q.2 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. 24
 - ☐ 2. 26
 - ☐ 3. 25
 - ☐ 4. 27

Q.3 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. Sister
 - ☐ 4. Father's mother

Q.4 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 north
 - ☐ 2. 19 km towards east
 - ☒ 3. 16 km towards north
 - ☐ 4. 16 km towards south

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. UQT
 - ☒ 2. LHK
 - ☒ 3. RNQ
 - ☒ 4. OKM

Q.6 What should come in place of the question mark (?) in the given series?

27 35 51 75 107 ?

- Ans**
- ☒ 1. 148
 - ☒ 2. 125
 - ☒ 3. 147
 - ☒ 4. 174

Q.7 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. Five
 - ☒ 3. Three
 - ☒ 4. Two

Q.8 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. 14
 - ☒ 2. 18
 - ☒ 3. 15
 - ☒ 4. 9

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.

HIVE - EHVI - HEIV

FANG - GFNA - FGAN

- Ans**
- ☒ 1. MUSK - KMSU - MKUS
 - ☒ 2. SORT - TSOR - ORTS
 - ☒ 3. RAIN - NRIA - RANI
 - ☒ 4. TENS - ETNS - SENT

- 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:

Some birds are animals.

All animals are tables.

Conclusions:

(I): Some birds are tables.

(II): All tables are animals.

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

- 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. MP-GK
☒ 2. PS-JM
☐ 3. TW-NR
☐ 4. JM-DH

- Q.13** What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged, and '÷' and '×' are interchanged?

$$21 \div 57 - 3 \times 8 + 4 = ?$$

- Ans** ☐ 1. 56
☐ 2. 23
☒ 3. 34
☐ 4. 45

- 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. AW-XT
☐ 2. TP-QM
☐ 3. PL-MI
☒ 4. SO-ON

Q.15 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. 5
 - ☐ 2. 7
 - ☐ 3. 1
 - ☒ 4. 3

Q.16 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. One
 - ☐ 2. Three
 - ☐ 3. Four
 - ☒ 4. Five

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

36 51 45 64 54 77 63 90 72 ?

- Ans**
- ☒ 1. 103
 - ☐ 2. 106
 - ☐ 3. 113
 - ☐ 4. 110

Q.18 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. Four
 - ☐ 2. One
 - ☐ 3. Two
 - ☐ 4. Three

Q.19 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. J
 - ☐ 3. O
 - ☐ 4. M

Q.20 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. 18 km towards East
 - ☐ 2. 20 km towards North
 - ☐ 3. 20 km towards West
 - ☐ 4. 18 km towards West

Q.21 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. 4
 - ☐ 2. 2
 - ☒ 3. 5
 - ☐ 4. 7

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:

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

Q.23 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. XZYC
 - ☐ 2. XAYC
 - ☐ 3. XBYE
 - ☒ 4. XAZC

Q.24 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. TMQ 27
 - ☒ 2. TLP 26
 - ☐ 3. RTQ 27
 - ☐ 4. RTS 26

Q.25 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. 15
 - ☐ 2. 27
 - ☐ 3. 22
 - ☒ 4. 8

Q.26 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.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 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. 1
 - ☒ 2. 2
 - ☐ 3. 3
 - ☐ 4. 4

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.

ACF : CEH

PET : RGV

- Ans**
- ☐ 1. WDX : ZFY
 - ☐ 2. QTP : SUW
 - ☒ 3. XVN : ZXP
 - ☐ 4. SAD : TBO

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.)

227, 112

240, 125

- Ans**
- ☐ 1. 210, 85
 - ☒ 2. 262, 147
 - ☐ 3. 215, 110
 - ☐ 4. 254, 129

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) 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. Six
 - ☐ 2. Eight
 - ☐ 3. Seven
 - ☐ 4. Nine



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Test Center Name	CORE TECHNOLOGIES
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following Amendments added the words 'Socialist' and 'Secular' to the Preamble?

- Ans
- ☒ 1. 24th
 - ☒ 2. 39th
 - ☒ 3. 44th
 - ☒ 4. 42nd

Q.2 Announced in 2025, which decommissioned Indian Navy ship will be turned into an underwater museum?

- Ans
- ☒ 1. INS Guldar
 - ☒ 2. INS Kalvari
 - ☒ 3. INS Nilgiri
 - ☒ 4. INS Visakhapatnam

Q.3 Which of the following Parts of the Constitution was amended by the 97th Amendment to promote co-operative societies?

- Ans
- ☒ 1. Part IXB
 - ☒ 2. Part XI
 - ☒ 3. Part XII
 - ☒ 4. Part IXA

Q.4 [April 2025] New Caledonia, which was in headlines for protests over nickel mining and independence debates, is a territory of which country?

- Ans
- ☒ 1. Australia
 - ☒ 2. France
 - ☒ 3. United Kingdom
 - ☒ 4. New Zealand

Q.5 Direct Tax reforms have been part of India's fiscal consolidation strategy. Which committee recommended the simplification of direct taxes in post-liberalisation India?

- Ans**
- ☐ 1. Tarapore Committee
 - ☐ 2. Narasimham Committee
 - ☐ 3. Dutt Committee
 - ☒ 4. Kelkar Committee

Q.6 Which general molecular structure characterises the class of organic compounds known as diazonium compounds or diazonium salts?

- Ans**
- ☐ 1. $\text{R-CO-NR}'\text{R}''$
 - ☐ 2. $\text{R}_2\text{C=NR}'$
 - ☒ 3. $\text{R-N}_2^+ \text{X}^-$
 - ☐ 4. $\text{R-C}\equiv\text{N}$

Q.7 What does UDAY stand for in the context of power distribution companies?

- Ans**
- ☐ 1. Utility Development and Assistance Yojana
 - ☐ 2. Uninterrupted Domestic Assurance Yojana
 - ☐ 3. Urban Distribution Action Yojana
 - ☒ 4. Ujwal DISCOM Assurance Yojana

Q.8 Which Indian state had the largest coal reserve in the fiscal year 2023-24, as per the Ministry of Coal data?

- Ans**
- ☐ 1. Jharkhand
 - ☐ 2. Telangana
 - ☐ 3. Madhya Pradesh
 - ☒ 4. Odisha

Q.9 Ikea, which received the government approval for its ₹10,500 crore FDI proposal in 2013 to set up 10 stores with allied infrastructure over 10 years, is a _____.

- Ans**
- ☒ 1. Swedish company
 - ☐ 2. American company
 - ☐ 3. German company
 - ☐ 4. Chinese company

Q.10 When was the Bank of Madras established as the third Presidency Bank in India?

- Ans**
- ☐ 1. 1840
 - ☐ 2. 1857
 - ☒ 3. 1843
 - ☐ 4. 1863

Q.11 Which of the following best explains why the Lakshadweep Islands have low biodiversity compared to the Andaman and Nicobar Islands?

- Ans**
- ☐ 1. Volcanic origin and infertile soil
 - ☐ 2. Higher human population density
 - ☐ 3. Higher altitude and colder temperatures
 - ☒ 4. Smaller land area and absence of forests

Q.12 Which Indian state topped the Fiscal Health Index 2025 released by NITI Aayog?

- Ans**
- ☐ 1. Maharashtra
 - ☐ 2. Gujarat
 - ☒ 3. Odisha
 - ☐ 4. Karnataka

Q.13 The Revolt of 1857 created which of the following negative consequences in Indian society?

- Ans**
- ☐ 1. Weakening of tribal and peasants' movements
 - ☐ 2. Decline of Indian languages and culture
 - ☐ 3. Decline of Indian handicrafts industries
 - ☒ 4. Distrust between Hindu and Muslim communities

Q.14 The Eran stone inscription states that Samudragupta was chosen as king by his father because of his ____.

- Ans**
- ☐ 1. wealth and popularity
 - ☐ 2. age and birthright
 - ☐ 3. support from other kings
 - ☒ 4. devotion, righteous conduct, and valour

Q.15 The naval vessel 'Tavasya' launched in 2025 is classified as a:

- Ans**
- ☐ 1. Surveillance Ship
 - ☒ 2. Stealth Frigate
 - ☐ 3. Ballistic Submarine
 - ☐ 4. Corvette

Q.16 Which three international organisations jointly organised a Trilateral Cooperation briefing on 26 February 2025 for health, trade and intellectual property (IP) diplomats based in Geneva?

- Ans**
- ☐ 1. WHO, WIPO and UNICEF
 - ☒ 2. WHO, WIPO and WTO
 - ☐ 3. WHO, UNESCO and WTO
 - ☐ 4. WHO, IMF and UNDP

Q.17 Amylopectin is a branched-chain polysaccharide composed of glucose units linked primarily by ____.

- Ans**
- ☒ 1. α -1,4-glycosidic bonds
 - ☐ 2. α -1,2-glycosidic bonds
 - ☐ 3. β -1,6-glycosidic bonds
 - ☐ 4. β -1,4-glycosidic bonds

Q.18 What is the primary objective of India's 'Bharat 6G Vision' launched in March 2023?

- Ans**
- ☐ 1. To commercialise 6G services exclusively in urban areas
 - ☐ 2. To import 6G infrastructure from developed countries
 - ☒ 3. To establish India as a global leader in 6G technology by 2030
 - ☐ 4. To replace 5G technology by 2025

Q.19 Which of the following parts of the Indian Constitution deals with financial relations between the Centre and the States?

- Ans**
- ☐ 1. Part XI
 - ☐ 2. Part X
 - ☐ 3. Part XIII
 - ☒ 4. Part XII

Q.20 Which natural feature in the northwest India marks the beginning of the low-pressure trough during the summer months?

- Ans
- ☐ 1. Thar Desert
 - ☒ 2. Aravalli Hills
 - ☐ 3. Satpura Range
 - ☐ 4. Ganga Basin

Q.21 Which of the following is a tribal dance form of India?

- Ans
- ☐ 1. Kathak
 - ☐ 2. Lavani
 - ☐ 3. Bhangra
 - ☒ 4. Ghusadi

Q.22 Who authored the book 'AI on Trial' that was released in April 2025?

- Ans
- ☒ 1. Sujeet Kumar and Tauseef Alam
 - ☐ 2. Bandaru Dattatreya
 - ☐ 3. Manohar Lal Khattar and Himanshu Dhuliya
 - ☐ 4. Himanshu Roy

Q.23 Which of the following states shares its border with Nepal?

- Ans
- ☐ 1. Himachal Pradesh
 - ☐ 2. Meghalaya
 - ☐ 3. Odisha
 - ☒ 4. Bihar

Q.24 Which event escalated the Israel-Iran conflict in June 2025?

- Ans
- ☐ 1. Assassination of an Iranian general
 - ☒ 2. Israeli preemptive strike on Iranian nuclear facilities
 - ☐ 3. Iranian missile attack on Tel Aviv
 - ☐ 4. Collapse of the Joint Comprehensive Plan of Action (JCPOA)

Q.25 Which of the following is primarily a system configuration tool rather than a direct visual element of the MS Windows desktop interface?

- Ans
- ☐ 1. Taskbar
 - ☐ 2. Recycle Bin
 - ☒ 3. Control Panel
 - ☐ 4. Start Menu

Q.26 On 7 May 2025, India conducted nationwide civil defence mock drills in how many districts, to boost emergency preparedness?

- Ans
- ☐ 1. 200
 - ☐ 2. 150
 - ☒ 3. 244
 - ☐ 4. 290

Q.27 Which disease is caused by the accumulation of lipids in brain cells due to the deficiency or inactivation of lipid digesting enzymes?

- Ans**
- ☐ 1. Alzheimer's disease
 - ☐ 2. Huntington's disease
 - ☒ 3. Tay-Sachs disease
 - ☐ 4. Parkinson's disease

Q.28 What is the minimum age required to contest elections to Panchayats as per Article 243F?

- Ans**
- ☐ 1. 30 years
 - ☒ 2. 21 years
 - ☐ 3. 18 years
 - ☐ 4. 25 years

Q.29 Life expectancy in India rose from 58.6 years in 1990 to how many years in 2023 which is the highest recorded since the index began?

- Ans**
- ☒ 1. 72 years
 - ☐ 2. 70 years
 - ☐ 3. 65 years
 - ☐ 4. 75 years

Q.30 Which international body did Cambodia petition to resolve its border dispute with Thailand in 2025?

- Ans**
- ☐ 1. United Nations Security Council
 - ☐ 2. World Trade Organization
 - ☐ 3. ASEAN Regional Forum
 - ☒ 4. International Court of Justice

Q.31 Who founded the Servants of India Society to promote national education and social reform in India?

- Ans**
- ☐ 1. Bipin Chandra Pal
 - ☒ 2. Gopal Krishna Gokhale
 - ☐ 3. Bal Gangadhar Tilak
 - ☐ 4. SN Banerjee

Q.32 Which Indian organisation hosted the 19th India Digital Summit in January 2025, focusing on the digital ecosystem?

- Ans**
- ☐ 1. Telecom Regulatory Authority of India (TRAI)
 - ☐ 2. National Association of Software and Service Companies (NASSCOM)
 - ☒ 3. Internet and Mobile Association of India (IAMAI)
 - ☐ 4. Confederation of Indian Industry (CII)

Q.33 Which of the following was the military department during the reign of Alauddin Khilji?

- Ans**
- ☐ 1. Diwan-i-risalat
 - ☒ 2. Diwan-i-arz
 - ☐ 3. Diwan-i-wizarat
 - ☐ 4. Diwan-i-insha

Q.34 Which of the following terms is used to refer to the designated female devotees who enact the Lai Haraoba dance in Manipur, India?

- Ans**
- ☐ 1. Maibas
 - ☐ 2. Jogins
 - ☐ 3. Pujarin
 - ☒ 4. Maibis

Q.35 In which state was the 7th Khelo India Youth Games held in 2025?

- Ans**
- ☒ 1. Bihar
 - ☐ 2. Maharashtra
 - ☐ 3. Haryana
 - ☐ 4. Gujarat

Q.36 Which Act first allowed Indian members to discuss the budget in legislative councils?

- Ans**
- ☐ 1. Government of India Act, 1858
 - ☐ 2. Indian Councils Act, 1909
 - ☒ 3. Indian Councils Act, 1892
 - ☐ 4. Indian Councils Act, 1861

Q.37 Which of the following programs was launched in 2019 by Ministry of Environment, Forest and Climate Change (MoEF&CC) to improve air quality in 131 cities (Non-attainment Cities and Million Plus Cities) in 24 States/UTs?

- Ans**
- ☐ 1. Air Quality Forecasting Systems
 - ☐ 2. National Association of Clean Air Agencies
 - ☐ 3. Swach Vayu Survekshan
 - ☒ 4. National Clean Air Programme

Q.38 What was the main belief of the moderate Congress leaders regarding the British rule in India?

- Ans**
- ☐ 1. Immediate independence
 - ☐ 2. Violent uprising
 - ☐ 3. Gradual political freedom
 - ☒ 4. Support for British

Q.39 Which of the following correctly pairs the abbreviation with its full form and primary function?

- Ans**
- ☐ 1. ASCII – Advanced System for Communication Interface – Used in LAN setup
 - ☐ 2. CD – Central Disc – Stores operating system permanently
 - ☐ 3. ASCII – American Standard Communication for Input and Interface – Used for graphic design
 - ☒ 4. LAN – Local Area Network – Connects computers within a limited area

Q.40 Where is the Tata Aircraft Complex, inaugurated in October 2024 for manufacturing C-295 aircrafts, located?

- Ans**
- ☐ 1. Chennai
 - ☐ 2. Hyderabad
 - ☒ 3. Vadodara
 - ☐ 4. Pune

Q.1 A man driving a car at a speed of 42 km/hr crosses a bridge in 5.4 minutes. Find the length of the bridge.

- Ans**
- ☐ 1. 4.38 km
 - ☒ 2. 3.78 km
 - ☐ 3. 3.42 km
 - ☐ 4. 3.51 km

Q.2 The population of a district is 359000, out of which 179000 are males. 22% of the population is literate. If 22% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 24%
 - ☐ 2. 19%
 - ☒ 3. 22%
 - ☐ 4. 20%

Q.3 Pipe P can fill $\frac{3}{4}$ part of a tank in 15 hours, and pipe Q can fill $\frac{5}{6}$ part

Both P and Q were kept open for 2 hours, then both were closed. Pipe R emptied the water in the tank in 5 hours. Pipes P, Q and R together

- Ans**
- ☒ 1. 20 hours
 - ☐ 2. 22 hours
 - ☐ 3. 17 hours
 - ☐ 4. 31 hours

Q.4 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 3 months.

- Ans**
- ☐ 1. ₹12
 - ☐ 2. ₹24
 - ☒ 3. ₹144
 - ☐ 4. ₹32

Q.5 Which of the following numbers divides 740705?

- Ans**
- ☐ 1. 12
 - ☐ 2. 9
 - ☒ 3. 5
 - ☐ 4. 4

Q.6 Evaluate: $16 + 12 \div 6 - 2 \times 4$

- Ans**
- ☐ 1. 13
 - ☐ 2. 9
 - ☒ 3. 10
 - ☐ 4. 12

Q.7 The average runs scored by a batsman in 23 matches is 41. In the next 10 matches, the batsman scored an average of 14 runs. Find his average runs scored (rounded off to two decimals) in all the 33 matches.

- Ans**
- ☐ 1. 34.82
 - ☐ 2. 31.82
 - ☐ 3. 33.82
 - ☒ 4. 32.82

Q.8 The value of $\sqrt{400} + \sqrt{0.0225} - \sqrt{9}$ is ____.

- Ans
- ☐ 1. 14.54
 - ☐ 2. 1.54
 - ☒ 3. 17.15
 - ☐ 4. 12.19

Q.9 A flagstaff stands on the top of a building. At a distance of 30 m away 60° and the angle of elevation of the top of the building is 30° . Find t

- Ans
- ☐ 1. $60\sqrt{3}$
 - ☐ 2. $40\sqrt{3}$
 - ☒ 3. $20\sqrt{3}$
 - ☐ 4. $30\sqrt{3}$

Q.10 Simplify $x(6x - 3) + 5(x^2 - 4) + 18$.

- Ans
- ☐ 1. $-11x^2 - 3x + 2$
 - ☒ 2. $11x^2 - 3x - 2$
 - ☐ 3. $11x^2 - 3x + 2$
 - ☐ 4. $-11x^2 - 3x - 2$

Q.11 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 108^\circ$ and $\angle ACD$ (in degree)?

- Ans
- ☐ 1. 181
 - ☐ 2. 184
 - ☒ 3. 48
 - ☐ 4. 171

Q.12 ₹74,000 were divided among A, B and C, such that 9 times of A = 3 times of B = 7 times of C. Find the share of A.

- Ans
- ☐ 1. ₹14,194
 - ☐ 2. ₹13,865
 - ☒ 3. ₹14,000
 - ☐ 4. ₹13,816

Q.13 Ritu, Sameer, and Isha invest ₹1,350, ₹1,470, and ₹1,380, respectively, to start a business. If the profit at the end of the year is ₹1,330, then what is the share of Isha in the profit?

- Ans
- ☐ 1. ₹435
 - ☐ 2. ₹438
 - ☒ 3. ₹437
 - ☐ 4. ₹439

Q.14 The number of prime numbers lying between 466 and 476, both included, is:

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

Q.15 79 plates were purchased for ₹79, and 13 plates broke in transit. The trader sold the remaining plates at ₹5.90 each. Find his profit.

- Ans**
- ☒ 1. ₹310.40
 - ☐ 2. ₹305.40
 - ☐ 3. ₹314.90
 - ☐ 4. ₹316.40

Q.16 A can do a work in 13 days and B can do the same work in 24 days. If they work on it together for 5 days, then what fraction of the work is left?

- Ans**
- ☐ 1.
 - ☒ 2. $\frac{127}{312}$
 - ☐ 3. $\frac{133}{312}$
 - ☐ 4. $\frac{137}{312}$

Q.17 A product is priced at ₹10,000. A wholesaler offers a trade discount of 20%. On the discounted price, a scheme discount of 10% is offered. However, if the customer pays in cash, an additional 5% discount is given on the final price after both discounts. What is the final price the customer has to pay?

- Ans**
- ☐ 1. ₹7,000
 - ☒ 2. ₹6,840
 - ☐ 3. ₹6,800
 - ☐ 4. ₹6,940

Q.18 The average price of three items of furniture is ₹15,990. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

- Ans**
- ☐ 1. 7,462
 - ☐ 2. 3,198
 - ☒ 3. 9,594
 - ☐ 4. 1,066

Q.19 If 5 times a son's age is added to his father's age, the sum is 79 years. If 2.5 times the father's age is added to the son's age, the sum is 94 years. What is the father's age (in years)?

- Ans**
- ☐ 1. 37
 - ☐ 2. 30
 - ☐ 3. 38
 - ☒ 4. 34

Q.20 If 39% of first number is equal to eight-ninths of second number, what is the ratio of first number to the second number?

- Ans**
- ☐ 1. 805 : 353
 - ☐ 2. 804 : 348
 - ☐ 3. 796 : 347
 - ☒ 4. 800 : 351

Q.21 A shirt is marked at ₹800 and sold at a 25% discount. What is the selling price?

- Ans
- ☐ 1. ₹680
 - ☒ 2. ₹600
 - ☐ 3. ₹640
 - ☐ 4. ₹620

Q.22 The simple interest on a certain sum for $2\frac{6}{7}$ years at the rate of 7.7%

What will be the amount payable on the same sum at the rate of 8.5%

- Ans
- ☐ 1. ₹7,504
 - ☐ 2. ₹7,489
 - ☒ 3. ₹7,491
 - ☐ 4. ₹7,484

Q.23 Find the volume of the sphere whose diameter is 30 cm. (Use $\pi = 3$)

- Ans
- ☐ 1. 15,130 cm³
 - ☐ 2. 14,230 cm³
 - ☒ 3. 14,130 cm³
 - ☐ 4. 15,230 cm³

Q.24 A number, when increased by 60%, gives 3550. The number is:

- Ans
- ☐ 1. 6656.25
 - ☒ 2. 2218.75
 - ☐ 3. 1109.375
 - ☐ 4. 4437.5

Q.25 The HCF and the LCM of two numbers are 91 and 546, respectively. If one of the numbers is 182, find the other one.

- Ans
- ☐ 1. 91
 - ☐ 2. 182
 - ☒ 3. 273
 - ☐ 4. 364

Q.26 The cost of 2 pens and 19 pencils is ₹118. If the cost of a pen decreases by ₹5 and the cost of a pencil increases by ₹4, then the cost of 5 pens and 8 pencils is ₹144. What is the original cost of 14 pens and 6 pencils?

- Ans
- ☐ 1. ₹314
 - ☐ 2. ₹321
 - ☒ 3. ₹318
 - ☐ 4. ₹319

Q.27 The greatest number that will divide 527 and 632 leaving remainders 7 and 8, respectively, is:

- Ans
- ☐ 1. 112
 - ☐ 2. 102
 - ☒ 3. 104
 - ☐ 4. 98

Q.28 A woman travels 282 km at 47 km/hr, a second distance of 120 km at 20 km/hr and a third distance of 496 km at 62 km/hr. Find her average speed for the whole journey (in km/hr).

- Ans**
- ☐ 1. 52.2
 - ☒ 2. 44.9
 - ☐ 3. 53.6
 - ☐ 4. 46.7

Q.29 Find the circumference (in m) of the largest circle that can be drawn completely inside a rectangle with sides 249 m and 217 m.

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

- Ans**
- ☐ 1. 676
 - ☐ 2. 690
 - ☐ 3. 679
 - ☒ 4. 682

Q.30 A trader claims to sell rice at a profit of 39%, but also dishonestly uses a weight which is 17% 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. 66%
 - ☒ 2. 67%
 - ☐ 3. 69%
 - ☐ 4. 72%

Section : General Intelligence and Reasoning

Q.1 Vijay ranked 12th from the top and 34th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 45
 - ☐ 2. 44
 - ☐ 3. 46
 - ☐ 4. 47

Q.2 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?

$$9 \text{ B } 5 \text{ D } 12 \text{ A } 2 \text{ C } 11 = ?$$

- Ans**
- ☒ 1. 50
 - ☐ 2. 43
 - ☐ 3. 32
 - ☐ 4. 38

Q.3 Select the number from among the given options that can replace the question mark (?) in the following series.

44 55 68 83 100 ?

- Ans**
- ☐ 1. 112
 - ☐ 2. 124
 - ☐ 3. 108
 - ☒ 4. 119

Q.4 In a certain code language, 'LOSE' is coded as '9432' and 'LOST' is coded as '9364'. What is the code for 'T' in the given code language?

- Ans** ☒ 1. 6
☐ 2. 9
☐ 3. 3
☐ 4. 4

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. GJ - FI
☐ 2. EH - DG
☐ 3. MP - LO
☒ 4. KR - GT

Q.6 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. QL-PS
☐ 2. TO-SV
☒ 3. NI-MO
☐ 4. KF-JM

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

XZR UWO RTL OQI ?

- Ans** ☐ 1. LMF
☐ 2. LME
☐ 3. LNE
☒ 4. LNF

Q.8 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. 9
☐ 2. 12
☐ 3. 10
☐ 4. 11

Q.9 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

EHR LOY SVF ZCM ?

- Ans** ☒ 1. GJT
☐ 2. GRF
☐ 3. GTJ
☐ 4. GFR

Q.10 GT 23 is related to FP 6 in a certain way. In the same way, HP 21 is related to GL 4. To which of the following is OL 15 related, following the same logic?

- Ans**
- ☐ 1. MH 2
 - ☒ 2. NH 2
 - ☐ 3. MI 4
 - ☐ 4. NI 4

Q.11 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$24 + 86 \times 2 - 15 \div 4 = ?$$

- Ans**
- ☐ 1. 32
 - ☐ 2. 58
 - ☒ 3. 41
 - ☐ 4. 49

Q.12 What should come in place of the question mark (?) in the given series?

49, 81, 121, 169, ?, 289

- Ans**
- ☐ 1. 256
 - ☐ 2. 196
 - ☐ 3. 245
 - ☒ 4. 225

Q.13 What should come in place of the question mark (?) in the given series?

13 31 40 76 94 148 ?

- Ans**
- ☐ 1. 157
 - ☐ 2. 220
 - ☒ 3. 175
 - ☐ 4. 202

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 hands are legs.
Some legs are faces.

Conclusions:

(I) All legs are hands.
(II) All faces are legs.

- 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.15 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 * # 7 % £ 9 4 \$ 3 & @ 8 Ω \$ 1 6 & # 2 (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. More than two
 - ☐ 3. None
 - ☒ 4. One

Q.16 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.)

(384, 32, 6)

(408, 68, 3)

- Ans
- ☐ 1. (394, 48, 4)
 - ☐ 2. (348, 41, 4)
 - ☒ 3. (416, 52, 4)
 - ☐ 4. (280, 38, 5)

Q.17 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?

100 A 5 C 14 D 5 B 3 = ?

- Ans
- ☐ 1. 15
 - ☐ 2. 27
 - ☒ 3. 19
 - ☐ 4. 23

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 @ > 5 # ? \ + * 2 > ? > \$ 4 % % \$ 7 4 2 (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. Five
 - ☐ 4. Three

Q.19 Rose starts from Point A and drives 7 km towards West. She then takes a left turn, drives 5 km, turns left and drives 12 km. She then takes a right turn and drives 9 km. She takes a final right turn, drives 5 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. 16 km towards West
 - ☐ 2. 16 km towards East
 - ☒ 3. 14 km towards North
 - ☐ 4. 14 km towards South

Q.20 Aman starts walking from Point A and runs for 10 m towards the north. He then takes a right turn and walks for 5 m, then turns right and walks for 6 m, and again turns right and walks for 12 m. He takes a final left turn, walks for 4 m and stops. How far (shortest distance) and in which direction he should walk to reach his starting point? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☒ 1. 8 m towards the west
 - ☒ 2. 7 m towards the east
 - ☒ 3. 8 m towards the south
 - ☒ 4. 7 m towards the north

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.

SKIP - KSPI - PIKS
MEND - EMDN - DNEM

- Ans**
- ☒ 1. PLUM - PULM - MULP
 - ☒ 2. HEAL - AHEL - LAEH
 - ☒ 3. FOIL - LIFO - FOLI
 - ☒ 4. KITE - IKET - ETIK

Q.22 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.

SONG - OSNG - GNOS
HEAT - EHAT - TAEH

- Ans**
- ☒ 1. FUSE - UFSE - ESUF
 - ☒ 2. BUYS - UBYs - UYSB
 - ☒ 3. UNIT - NUIT - TNIU
 - ☒ 4. TONG - TNOG - GNOT

Q.23 Rajesh ranked 25th from the top and 35th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 60
 - ☒ 2. 58
 - ☒ 3. 59
 - ☒ 4. 57

Q.24 Seven people, A, B, C, T, U, V and W are sitting in a row, facing north. Only three people sit between V and T. U sits to the immediate left of T. No one sits to the right of C. Only two people sit between C and U. W sits to the immediate right of A. How many people sit between B and W?

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

- Q.25 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. Wife
☐ 2. Brother's daughter
☒ 3. Brother's wife
☐ 4. Daughter

- Q.26 All 30 students are standing in a row facing north. Deepa is 9th from the left end, while Savitha is 11th from the right end. How many people are there between Deepa and Savitha?

- Ans ☒ 1. 10
☐ 2. 9
☐ 3. 11
☐ 4. 8

- 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. LP-GJ
☐ 2. SW-NQ
☒ 3. GK-BF
☐ 4. UY-PS

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

- Q.29 In a certain code language, 'month owl row' is coded as 'eg kv oc' and 'vex row virus' is coded as 'jl vf eg'. How is 'row' coded in the given code language?

- Ans ☐ 1. kv
☐ 2. jl
☒ 3. eg
☐ 4. oc

Q.30 Seven people, L, M, N, O, P, Q and R, are sitting in a row, facing north.
Only two people sit to the right of N. Only two people sit between N and R. Only two people sit between L and Q. Q sits to the immediate left of N. O sits to the immediate right of P.
Who sits at the third position from the left end of the line?

Ans  1. M

 2. O

 3. R

 4. L



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



Test Center Name	Aadarsh Pariksha Kendra - Gaya
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 The Shaka dynasty in India was founded by ____.

- Ans**
- ☒ 1. Rudradaman I
 - ☒ 2. Maues (Moga)
 - ☐ 3. Nahapana
 - ☐ 4. Menander I

Q.2 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.3 Which Indian Prime Minister is closely associated with initiating the 1991 LPG reforms?

- Ans**
- ☐ 1. Rajiv Gandhi
 - ☒ 2. PV Narasimha Rao
 - ☐ 3. Atal Bihari Vajpayee
 - ☐ 4. Indira Gandhi

Q.4 Which sector was given top priority under the Second Five-Year Plan of India (1956-61)?

- Ans**
- ☐ 1. Small-scale industries
 - ☒ 2. Heavy and basic industries
 - ☐ 3. Education and health
 - ☐ 4. Agriculture

Q.5 Hema Malini, who was appointed Member of Committee on the Empowerment of Women in April 2025, represents which parliamentary constituency?

- Ans**
- ☐ 1. Bareilly
 - ☐ 2. Meerut
 - ☐ 3. Agra
 - ☒ 4. Mathura

Q.6 Which of the following Amendments clarified that the President must act in accordance with the advice of the Council of Ministers?

- Ans**
- ✓ 1. 42nd Amendment
 - ✗ 2. 44th Amendment
 - ✗ 3. 24th Amendment
 - ✗ 4. 74th Amendment

Q.7 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. Judo
 - ✗ 2. Wrestling
 - ✓ 3. Mixed Martial Arts
 - ✗ 4. Boxing

Q.8 The BIMSTEC Youth Summit 2025 was held in which city?

- Ans**
- ✗ 1. Bengaluru
 - ✓ 2. Gandhinagar
 - ✗ 3. Mumbai
 - ✗ 4. New Delhi

Q.9 Who was appointed as the Chairperson of the 23rd Law Commission of India in April 2025?

- Ans**
- ✓ 1. Justice (Retd.) Dinesh Maheshwari
 - ✗ 2. Justice (Retd.) AK Sikri
 - ✗ 3. Justice (Retd.) Ranjan Gogoi
 - ✗ 4. Justice (Retd.) Kurian Joseph

Q.10 Which island nation lies to the south of the Lakshadweep Islands?

- Ans**
- ✗ 1. Sri Lanka
 - ✓ 2. Maldives
 - ✗ 3. Andaman Islands
 - ✗ 4. Mauritius

Q.11 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.12 Which military operation was launched to integrate Hyderabad into India in 1948?

- Ans**
- ✗ 1. Operation Peace
 - ✗ 2. Operation Lotus
 - ✓ 3. Operation Polo
 - ✗ 4. Operation Shield

Q.13 Which of the following is NOT a principle of Jainism?

- Ans**
- ✗ 1. Monastic life is the only way to salvation.
 - ✗ 2. The whole world, including stone and water, has life.
 - ✗ 3. Practice of non-injury to living beings
 - ✓ 4. Rejection of the doctrine of Karma

Q.14 Which of the following US biotech companies opened a \$200 million tech and innovation hub in 2025?

- Ans
- ☐ 1. Biogen
 - ☒ 2. Amgen
 - ☐ 3. Genentech
 - ☐ 4. Novavax

Q.15 Agricultural credit has grown significantly since liberalisation, though distribution remains uneven. Which institution is the apex body for rural credit in India?

- Ans
- ☐ 1. FCI
 - ☒ 2. NABARD
 - ☐ 3. SIDBI
 - ☐ 4. RBI

Q.16 What makes basic rules in the Constitution effective?

- Ans
- ☐ 1. They are a secret.
 - ☐ 2. They are based on popular customs only.
 - ☒ 3. They are legally enforceable.
 - ☐ 4. They are not enforced.

Q.17 Globalisation influenced consumer choices in India. Which trend reflects the impact of globalisation on Indian consumers?

- Ans
- ☐ 1. Monopolisation of FMCG
 - ☐ 2. Less brand diversity
 - ☐ 3. Decline in foreign goods
 - ☒ 4. Wider availability of international brands

Q.18 Which of the following Articles of the Indian Constitution provides for the composition of Municipalities?

- Ans
- ☐ 1. Article 243Q
 - ☐ 2. Article 243X
 - ☒ 3. Article 243R
 - ☐ 4. Article 243S

Q.19 Which of the following devices is primarily used to convert digital signals into sound for audio output?

- Ans
- ☐ 1. Monitor
 - ☒ 2. Speaker
 - ☐ 3. Printer
 - ☐ 4. Microphone

Q.20 Which method used in metallurgy specifically describes the formation of metal oxides by heating carbonate ores?

- Ans
- ☐ 1. Carbonation
 - ☐ 2. Calcification
 - ☐ 3. Chlorination
 - ☒ 4. Calcination

Q.21 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. Carl Wilhelm Scheele and Humphry Davy
 - ☐ 2. Fritz Haber and Carl Bosch
 - ☒ 3. Cato M Guldberg and Peter Waage
 - ☐ 4. Georg Brandt and Torbern Bergman

Q.22 Which exercise did INS Shivalik complete just before joining RIMPAC in June 2024?

- Ans**
- ☐ 1. AUSINDEX
 - ☒ 2. JIMEX
 - ☐ 3. INDRA
 - ☐ 4. SLINEX

Q.23 Which of the following states recorded the second-highest population density in 2011 as per the Census of India?

- Ans**
- ☐ 1. Uttar Pradesh
 - ☐ 2. Maharashtra
 - ☒ 3. West Bengal
 - ☐ 4. Madhya Pradesh

Q.24 Which of the following rivers is a peninsular river and flows eastward?

- Ans**
- ☐ 1. Sabarmati
 - ☐ 2. Tapti
 - ☐ 3. Narmada
 - ☒ 4. Mahanadi

Q.25 A computer system mainly includes which three components?

- Ans**
- ☐ 1. Monitor, USB, Light
 - ☐ 2. CPU, Scanner, Air Conditioner
 - ☐ 3. Mouse, CPU, Mobile
 - ☒ 4. Input, Processing, Output

Q.26 Which of the following options best describes the purpose of the Red Data Book?

- Ans**
- ☐ 1. A list of protected forest areas
 - ☐ 2. A collection of tree species
 - ☐ 3. A compilation of forest conservation laws
 - ☒ 4. A record of endangered plant and animal species

Q.27 Which of the following countries launched Operation Brahma for the earthquake in Myanmar?

- Ans**
- ☐ 1. Cambodia
 - ☐ 2. Bhutan
 - ☒ 3. India
 - ☐ 4. Thailand

Q.28 The location of cement plants is mainly governed by the availability of:

- Ans**
- ☒ 1. limestone
 - ☐ 2. bauxite
 - ☐ 3. iron ore
 - ☐ 4. cotton

Q.29 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. Qure.ai
 - ☐ 3. Niramai
 - ☐ 4. 1mg

Q.30 In March 2025, the Lok Sabha passed the Bills of Lading Bill, modernising how many years of old colonial shipping law?

- Ans**
- ☐ 1. 175 years
 - ☒ 2. 169 years
 - ☐ 3. 120 years
 - ☐ 4. 150 years

Q.31 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. Dr. KS Chauhan
 - ☐ 2. K Natwar Singh
 - ☐ 3. MJ Akbar
 - ☐ 4. Dr. Rajen Saikia

Q.32 Which of the following is an example of a longitudinal wave?

- Ans**
- ☒ 1. Sound wave in air
 - ☐ 2. Water wave on surface
 - ☐ 3. Radio wave during transmission
 - ☐ 4. Light wave in vacuum

Q.33 What type of rainfall occurs when air is forced to rise over a mountain barrier?

- Ans**
- ☐ 1. Cyclonic rainfall
 - ☐ 2. Convectional rainfall
 - ☐ 3. Frontal rainfall
 - ☒ 4. Orographic rainfall

Q.34 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. 10 years
 - ☐ 2. 7 years
 - ☒ 3. 12 years
 - ☐ 4. 5 years

Q.35 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. Jodhpur
 - ☐ 2. Kanpur
 - ☐ 3. Mysore
 - ☒ 4. Bombay

Q.36 Which of the following conducted India's inaugural Agentic AI Hackathon in 2025?

- Ans**
- ☐ 1. Bharat Innovation Lab
 - ☐ 2. AI Nexus Foundation
 - ☐ 3. DigitalNext AI
 - ☒ 4. Techvantage.ai

Q.37 How are the one-third reserved seats for women distributed across different categories in local bodies?

- Ans**
- ☒ 1. 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.
 - ☐ 2. Only one-third of the general (unreserved) seats are reserved for women, excluding reserved-category seats.
 - ☐ 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.38 Who addressed the opening session of the 24th edition of the World Sustainable Development Summit in New Delhi in March 2025?

- Ans**
- ☐ 1. Piyush Goyal
 - ☐ 2. Amit Shah
 - ☒ 3. Bhupender Yadav
 - ☐ 4. Pralhad Joshi

Q.39 Which country served as the host for the 2025 Asian Winter Games?

- Ans**
- ☐ 1. Kazakhstan
 - ☒ 2. China
 - ☐ 3. South Korea
 - ☐ 4. Japan

Q.40 What was the Congress leaders' approach to achieving limited self-government in the early years?

- Ans**
- ☐ 1. Foreign intervention
 - ☐ 2. Revolutionary wars
 - ☒ 3. Violent protests
 - ☐ 4. Peaceful petitions

Section : Mathematics

Q.1 If the third proportional of 54 and 18 is x, then what is the value of x?

- Ans**
- ☐ 1. 5
 - ☐ 2. 3
 - ☐ 3. 9
 - ☒ 4. 6

Q.2 The selling price of 50 books is equal to the cost price of 5 books. Find the loss or gain percentage.

- Ans**
- ☐ 1. $\frac{100}{45}\%$ loss
 - ☐ 2. 90% gain
 - ☒ 3. 90% loss
 - ☐ 4. $\frac{100}{45}\%$ gain

Q.3 Find the value of x satisfying: $5(5x^2 - 7) - 5(5x^2 + 2x - 4) = 15$

- Ans
- ☐ 1. -1
 - ☐ 2. 0
 - ☒ 3. -3
 - ☐ 4. 2

Q.4 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. 29
 - ☒ 2. 24
 - ☐ 3. 23
 - ☐ 4. 21

Q.5 Find the surface area of a cuboid with length 8 cm, breadth 5 cm and height 3 cm.

- Ans
- ☐ 1. 94 cm^2
 - ☒ 2. 158 cm^2
 - ☐ 3. 126 cm^2
 - ☐ 4. 140 cm^2

Q.6 Priya can do a certain piece of work in 22 days. Priya and Varsha can and Nisha can do the same work together in 8 days. In how many day

- Ans
- ☐ 1. $\frac{78}{7}$
 - ☐ 2. $\frac{94}{9}$
 - ☒ 3. $\frac{88}{7}$
 - ☐ 4. $\frac{95}{8}$

Q.7 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. ₹45
 - ☐ 2. ₹44
 - ☐ 3. ₹43
 - ☐ 4. ₹46

Q.8 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. 62%
 - ☒ 2. 63%
 - ☐ 3. 66%
 - ☐ 4. 65%

Q.9 The value of $2^2 + \sqrt{8^2} - 2\sqrt{4} - 11$ is

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

Q.10 The product of two consecutive positive natural numbers is 272. The greater of the two numbers is:

- Ans
- ☐ 1. 36
 - ☐ 2. 28
 - ☐ 3. 9
 - ☒ 4. 17

Q.11 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. 1.01 km
 - ☐ 2. 1.02 km
 - ☒ 3. 1.75 km
 - ☐ 4. 1.18 km

Q.12 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. $\sec A$
 - ☐ 4. $\sec^2 A$

Q.13 A store sells a printer priced at ₹32,000, offering a trade discount of 9%. What is the discount amount?

- Ans
- ☐ 1. ₹2,840
 - ☐ 2. ₹2,780
 - ☒ 3. ₹2,880
 - ☐ 4. ₹2,740

Q.14 Which of the following numbers divide 726179?

- Ans
- ☒ 1. 23
 - ☐ 2. 28
 - ☐ 3. 29
 - ☐ 4. 20

Q.15 What smallest number should be added to 81661 so that the sum is completely divisible by 73?

- Ans
- ☒ 1. 26
 - ☐ 2. 24
 - ☐ 3. 30
 - ☐ 4. 25

Q.16 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. $10\frac{401}{491}$ hours

☒ 2. $5\frac{401}{491}$ hours

☐ 3. $2\frac{401}{491}$ hours

☐ 4. $11\frac{401}{491}$ hours

Q.17 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 113^\circ$ and $\angle$

Ans

☐ 1. 165°

☐ 2. 166°

☒ 3. 41°

☐ 4. 168°

Q.18 The perimeter of a square is 248 m. Its area (in m^2) is:

Ans

☐ 1. 3816

☒ 2. 3844

☐ 3. 3840

☐ 4. 3848

Q.19 A number when increased by 100% gives 2700. The number is:

Ans

☐ 1. 675

☐ 2. 4050

☐ 3. 2700

☒ 4. 1350

Q.20 Find the value of $[290 \div \{27 + 5 \times (2 - 7)\}]$.

Ans

☐ 1. 150

☐ 2. 140

☐ 3. 141

☒ 4. 145

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. ₹6,272

☐ 2. ₹6,240

☐ 3. ₹7,248

☐ 4. ₹6,440

Q.22 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. 53.4

☒ 2. 51.4

☐ 3. 52.4

☐ 4. 50.4

Q.23 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. ₹1,40,000
 - ☐ 2. ₹1,80,000
 - ☐ 3. ₹1,60,000
 - ☒ 4. ₹1,50,000

Q.24 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. $3^2 \times 8^3 \times 14 \times 19^2$
 - ☒ 2. $3^3 \times 8^3 \times 14^2 \times 19^2$
 - ☐ 3. $3^2 \times 8^2 \times 14^2 \times 19^3$
 - ☐ 4. $3^3 \times 8^2 \times 14^2 \times 19$

Q.25 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. 720
 - ☐ 2. 744
 - ☐ 3. 704
 - ☐ 4. 740

Q.26 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. 12:30 p.m.
 - ☐ 2. 12:00 p.m.
 - ☒ 3. 12:10 p.m.
 - ☐ 4. 11:50 a.m.

Q.27 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. 35
 - ☒ 3. 20
 - ☐ 4. 40

Q.28 What sum of money (in ₹) will amount to ₹2,280 at 4% per annum simple interest in 5 years?

- Ans**
- ☐ 1. ₹1,950
 - ☐ 2. ₹11,400
 - ☒ 3. ₹1,900
 - ☐ 4. ₹1,850

Q.29 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. ₹421
 - ☐ 3. ₹422
 - ☐ 4. ₹423

Q.30 Which of the following numbers divides 15,99,16,901?

- Ans**
- ☐ 1. 18
 - ☒ 2. 19
 - ☐ 3. 28
 - ☐ 4. 25

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. WS-XU
 - ☐ 2. QM-RO
 - ☐ 3. SO-TQ
 - ☒ 4. UQ-VR

Q.2 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?

$$(63 \text{ P } 2) \text{ R } (24 \text{ P } 3) \text{ S } (98 \text{ Q } 2) \text{ R } (48 \text{ Q } 3) \text{ R } 3 = ?$$

- Ans**
- ☐ 1. 122
 - ☐ 2. 104
 - ☐ 3. 98
 - ☒ 4. 84

Q.3 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. MRE
 - ☐ 2. MRF
 - ☒ 3. MSF
 - ☐ 4. LRF

Q.4 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. 4
 - ☐ 2. 2
 - ☒ 3. 5
 - ☐ 4. 9

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. 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. 4
 - ☐ 3. 3
 - ☒ 4. 2

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.

SAIN - ANIS - NIAS
COIN - ONIC - NIOC

- Ans** ☒ 1. MILE - IELM - ELIM
 ☐ 2. YOUR - YUOR - RUOY
 ☐ 3. FEAT - EFAT - TEAF
 ☐ 4. MACE - AMCE - EACM

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. FMH
 ☐ 2. KRM
 ☐ 3. HOJ
 ☒ 4. DKE

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 marks are tattoo.

No tattoo is a painting.

Conclusions:

(I): Some marks are painting.

(II): Some tattoo are mark.

- 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.9 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. 6, 66
 ☐ 2. 12, 162
 ☐ 3. 14, 154
 ☒ 4. 11, 132

Q.10 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. ARHV
 - ☐ 3. BSGV
 - ☐ 4. ZRFU

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

981 982 986 995 1011 ?

- Ans**
- ☐ 1. 1031
 - ☐ 2. 1026
 - ☐ 3. 1021
 - ☒ 4. 1036

Q.12 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. 6th
 - ☐ 4. 4th

Q.13 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. 24
 - ☐ 2. 26
 - ☒ 3. 20
 - ☐ 4. 23

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

Q.15 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. 14 km towards south
 - ☒ 2. 30 km towards north
 - ☐ 3. 7 km towards west
 - ☐ 4. 25 km towards east

Q.16 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. 7
 - ☒ 3. 9
 - ☐ 4. 6

Q.17 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. 4
 - ☐ 2. 8
 - ☐ 3. 6
 - ☐ 4. 0

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 pair.)

- Ans**
- ☐ 1. AE-DE
 - ☐ 2. CG-FG
 - ☒ 3. KO-ON
 - ☐ 4. SW-VW

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 W related to R if W = A \$ C @ D * R?

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

Q.20 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. Four
 - ☐ 2. Two
 - ☒ 3. Three
 - ☐ 4. One

Q.21 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. 7 km to the east
 - ☐ 2. 5 km to the west
 - ☒ 3. 9 km to the west
 - ☐ 4. 4 km to the north

Q.22 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. QNIM
 - ☐ 2. NQMI
 - ☒ 3. NQIM
 - ☐ 4. QNMI

Q.23 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.24 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. 292
 - ☐ 2. 291
 - ☐ 3. 290
 - ☒ 4. 289

Q.25 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. Two
 - ☐ 2. Three
 - ☐ 3. Five
 - ☐ 4. Four

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

7 10 16 28 52 ?

- Ans** ☒ 1. 100
☐ 2. 104
☐ 3. 102
☐ 4. 99

Q.27 What should come in place of the question mark (?) in the given series?

316 288 262 238 216 ?

- Ans** ☐ 1. 205
☒ 2. 196
☐ 3. 185
☐ 4. 172

Q.28 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. 4
☐ 2. 2
☐ 3. 6
☒ 4. 3

Q.29 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. Four
☐ 3. Two
☐ 4. One

Q.30 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. JME71
☐ 2. JMF70
☐ 3. JME70
☒ 4. JMF71



सत्यमेव जयते

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 Center Name	TCS Gito Bitan
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 Which of the following is a characteristic of primary memory in a computer?

- Ans**
- ☒ 1. It holds data temporarily for quick access during processing.
 - ☐ 2. It stores data permanently.
 - ☐ 3. It is used to back up files externally.
 - ☐ 4. It is slower than secondary memory.

Q.2 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 Atharvaveda
 - ☐ 3. The Yajurveda
 - ☐ 4. The Samaveda

Q.3 What is the name of the genome-edited rice variety developed to improve yield and productivity in May 2025?

- Ans**
- ☐ 1. Samba Mahsuri and MTU 1010
 - ☐ 2. IR64 and Swarna Sub1
 - ☒ 3. DRR Dhan 100 (Kamala) and Pusa DST Rice 1
 - ☐ 4. Malaviya Manila Sinchit Dhan-1 and Pusa Basmati 1121

Q.4 In January 2025, how many sportspeople were awarded with the Major Dhyan Chand Khel Ratna Award for the year 2024?

- Ans**
- ☐ 1. 06
 - ☐ 2. 05
 - ☐ 3. 03
 - ☒ 4. 04

Q.5 What was India's rank in the Global Gender Gap Report, 2025?

- Ans**
- ☐ 1. 129th out of 148 nations
 - ☐ 2. 135th out of 150 nations
 - ☐ 3. 130th out of 147 nations
 - ☒ 4. 131st out of 148 nations

Q.6 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. VO Chidambaram Pillai
 - ☐ 2. Velu Nachiyar
 - ☐ 3. Alluri Sitarama Raju
 - ☐ 4. Garimella Satyanarayana

Q.7 The term 'License Raj' is related to which sector of the Indian economy?

- Ans**
- ☐ 1. Services
 - ☐ 2. Foreign Trade
 - ☐ 3. Agriculture
 - ☒ 4. Industry

Q.8 The Immigration and Foreigners Bill 2025, repeals which of the following Acts?

- Ans**
- ☐ 1. The Emigration Act, 1983
 - ☐ 2. The Foreign Contribution (Regulation) Act, 2010
 - ☐ 3. The Immigration (Carriers Liability) Amendment Act, 2005
 - ☒ 4. The Passport (Entry into India) Act, 1920

Q.9 Which of the following Directive Principles of State Policy was added by the Forty-fourth Amendment Act, 1978?

- Ans**
- ☐ 1. Participation of workers in industrial management
 - ☒ 2. Reduction of inequalities in income and status among individuals and groups
 - ☐ 3. Provision for free legal aid to the poor
 - ☐ 4. Protection and improvement of the environment and wildlife

Q.10 Which team did the United States defeat to win the gold medal at the 2025 International Ice Hockey Federation (IIHF) World Championship?

- Ans**
- ☐ 1. Canada
 - ☐ 2. Finland
 - ☒ 3. Switzerland
 - ☐ 4. Sweden

Q.11 How does the use of renewable energy contribute to sustainable development?

- Ans**
- ☒ 1. It reduces environmental pollution and conserves resources.
 - ☐ 2. It increases dependency on fossil fuels.
 - ☐ 3. It rapidly depletes natural ecosystems.
 - ☐ 4. It provides unlimited profits to energy companies.

Q.12 Which colonial policy is often blamed for the decline of India's traditional handicraft industries?

- Ans**
- ☐ 1. Green revolution
 - ☒ 2. De-industrialisation policy
 - ☐ 3. Zamindari system
 - ☐ 4. Doctrine of lapse

Q.13 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 1961
 - ☐ 3. Government of India (Allocation of Business) Rules 1971
 - ☐ 4. Government of India (Allocation of Business) Rules 1981

Q.14 What is the focus of the Scheme of Human Resources Development in Sports?

- Ans**
- ☐ 1. Building swimming pools for agile swimmers
 - ☐ 2. Construction of gyms in every part of India
 - ☒ 3. Training and development of sports professionals
 - ☐ 4. Establishing fitness clubs for youngsters

Q.15 Who was sworn in as the Minister of Education, Women and Child Development in the 2025 Delhi cabinet?

- Ans**
- ☒ 1. Rekha Gupta
 - ☐ 2. Ashish Sood
 - ☐ 3. Manjinder Singh Sirsa
 - ☐ 4. Meenakshi Lekhi

Q.16 Where is the Genome India data officially hosted during its launch in 2025?

- Ans**
- ☐ 1. HealthTech Data Repository
 - ☐ 2. Indian Science Informatics Centre
 - ☒ 3. Indian Biological Data Centre
 - ☐ 4. National Genome Archive

Q.17 Which body acts as the apex at the district level in Panchayati Raj?

- Ans**
- ☐ 1. Municipal Corporation
 - ☐ 2. Gram Panchayat
 - ☒ 3. Zilla Parishad
 - ☐ 4. Panchayat Samiti

Q.18 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. Heart Block
 - ☒ 2. Fast Ventricular Tachycardia
 - ☐ 3. Bradycardia
 - ☐ 4. Atrial Fibrillation

Q.19 Where was the 55th World Economic Forum Annual Meeting, 2025, held?

- Ans**
- ☐ 1. Belgium
 - ☐ 2. Brazil
 - ☐ 3. Peru
 - ☒ 4. Switzerland

Q.20 In May 2025, who took charge as the new Vice Chief of the Air Staff?

- Ans**
- ☐ 1. Air Marshal Nagesh Kapoor
 - ☒ 2. Air Marshal Narmdeshwar Tiwari
 - ☐ 3. Air Marshal Vijay Kumar Garg
 - ☐ 4. Air Marshal Sujeet Pushpakar Dharkar

Q.21 Why is the iron and steel industry called a basic industry?

- Ans**
- ☐ 1. Because it processes naturally available iron ores
 - ☐ 2. Because it provides raw materials for other industries
 - ☒ 3. Because it provides essential raw materials, machinery, and tools to a wide range of other industries
 - ☐ 4. Because it mainly produces household consumer items

Q.22 Which of the following Articles of the Indian Constitution defines the money bill?

- Ans**
- ☐ 1. Article 112
 - ☐ 2. Article 105
 - ☒ 3. Article 110
 - ☐ 4. Article 117

Q.23 Which public sector organisation is the largest provider of surface transport services in India?

- Ans**
- ☒ 1. Indian Railways
 - ☐ 2. National Highways Authority of India (NHAI)
 - ☐ 3. State Transport Corporation
 - ☐ 4. Shipping Corporation of India

Q.24 Which of the following statements correctly distinguishes between the Cabinet and the Council of Ministers?

- Ans**
- ☐ 1. The Cabinet is larger and includes all ministers, while the Council is a smaller group
 - ☐ 2. The Cabinet is not part of the executive, but the Council is part of the executive
 - ☐ 3. The Council of Ministers does not include the Prime Minister
 - ☒ 4. The Cabinet includes senior ministers, while the Council includes all categories of ministers

Q.25 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. Bipin Chandra Pal
 - ☐ 3. Kanaiyalal Maneklal Munshi
 - ☐ 4. Peer Ali Khan

Q.26 What is the area around the equator called where the trade winds from both hemispheres converge?

- Ans**
- ☐ 1. Polar Front
 - ☐ 2. Subtropical High
 - ☒ 3. Inter-Tropical Convergence Zone (ITCZ)
 - ☐ 4. Horse Latitudes

Q.27 Which river in Jammu and Kashmir has the world's highest railway bridge built over it?

- Ans**
- ☒ 1. Chenab
 - ☐ 2. Ravi
 - ☐ 3. Jhelum
 - ☐ 4. Beas

Q.28 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. Japan
 - ☒ 3. Egypt
 - ☐ 4. France

Q.29 Which neighbouring country of India is an island nation in the Indian Ocean?

- Ans
- ☐ 1. Nepal
 - ☒ 2. Maldives
 - ☐ 3. Myanmar
 - ☐ 4. Bhutan

Q.30 Why is legal enforceability of rules important in a society?

- Ans
- ☐ 1. It gives power to the police only.
 - ☒ 2. It provides assurance that others will follow the rules.
 - ☐ 3. To punish minorities
 - ☐ 4. So people can break them without fear

Q.31 Identify the language which is primarily spoken in the state of Mizoram in India from the options below.

- Ans
- ☐ 1. Lushai
 - ☐ 2. Ao
 - ☐ 3. Nissi
 - ☒ 4. Mizo

Q.32 What feature of Indus Valley town planning indicates advanced civic amenities and engineering skills of the civilisation?

- Ans
- ☐ 1. Temples
 - ☒ 2. Drainage systems
 - ☐ 3. Rock-cut caves
 - ☐ 4. Underground railways

Q.33 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

Q.34 Which of the following is an example of an operating system commonly used on laptops?

- Ans
- ☐ 1. Microsoft Word
 - ☒ 2. Windows 11
 - ☐ 3. Google Chrome
 - ☐ 4. Adobe Photoshop

Q.35 Which of the following elements is found in the p-block?

- Ans
- ☐ 1. Sodium
 - ☒ 2. Nitrogen
 - ☐ 3. Barium
 - ☐ 4. Chromium

Q.36 Which of the following continents is located entirely in the Southern Hemisphere?

- Ans
- ☐ 1. Africa
 - ☐ 2. South America
 - ☒ 3. Australia
 - ☐ 4. Europe

Q.37 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. Condensation
 - ☐ 2. Sublimation
 - ☐ 3. Fusion
 - ☒ 4. Regelation

Q.38 Which is the deadliest species of Plasmodium that causes malaria in humans?

- Ans**
- ☐ 1. Plasmodium knowlesi
 - ☐ 2. Plasmodium inui
 - ☐ 3. Plasmodium ovale
 - ☒ 4. Plasmodium falciparum

Q.39 Which of the following locations was among the venues that hosted the inaugural Khelo India Beach Games in 2025?

- Ans**
- ☐ 1. Chennai
 - ☐ 2. Kochi
 - ☒ 3. Diu
 - ☐ 4. Goa

Q.40 What does privatisation mean in the Indian economic context?

- Ans**
- ☐ 1. Nationalising all banks
 - ☒ 2. Selling government companies to private companies
 - ☐ 3. Making all jobs government-based
 - ☐ 4. Giving more subsidies to farmers

Section : Mathematics

Q.1 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.2 The number of prime numbers lying between 393 and 401, both included, is:

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

Q.3 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. 332
 - ☐ 2. 402
 - ☐ 3. 452
 - ☒ 4. 352

Q.4 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. 53
 - ☐ 2. 52
 - ☐ 3. 50
 - ☒ 4. 51

Q.5 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. ₹8,10,000
 - ☐ 2. ₹8,20,000
 - ☒ 3. ₹8,90,000
 - ☐ 4. ₹8,60,000

Q.6 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. 17%
 - ☒ 2. 19%
 - ☐ 3. 21%
 - ☐ 4. 16%

Q.7 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. 190
 - ☒ 2. 264
 - ☐ 3. 331
 - ☐ 4. 170

Q.8 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. 79.83
 - ☒ 4. 82.88

Q.9 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 of EF?

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

Q.10 A number, when increased by 100%, gives 2800. The number is:

- Ans**
- ☐ 1. 4200
 - ☐ 2. 2800
 - ☒ 3. 1400
 - ☐ 4. 700

Q.11 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. 33
 - ☐ 2. 30
 - ☐ 3. 31
 - ☐ 4. 35

Q.12 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. 14.16
 - ☐ 3. 11.74
 - ☐ 4. 12.45

Q.13 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. 1 : 9
 - ☐ 3. 8 : 4
 - ☐ 4. 4 : 8

Q.14 The selling price of 50 books is equal to the cost price of 19 books. Find the loss or gain percentage.

- Ans**
- ☐ 1. $\frac{100}{31}\%$ gain
 - ☐ 2. $\frac{100}{31}\%$ loss
 - ☐ 3. 62% gain
 - ☒ 4. 62% loss

Q.15 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.16 The average of first 154 even numbers is

- Ans**
- ☐ 1. 155.5
 - ☐ 2. 156
 - ☐ 3. 154.5
 - ☒ 4. 155

Q.17 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. ₹85,000
 - ☐ 2. ₹80,000
 - ☐ 3. ₹75,000
 - ☐ 4. ₹90,000

Q.18 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. $M - N = 1$
 - ☐ 2. $M = N$
 - ☐ 3. $M + N = -7$
 - ☒ 4. $M - N = 7$

Q.19 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. 12% increase
 - ☐ 2. No increase or decrease
 - ☒ 3. 10.4% decrease
 - ☐ 4. 14.2% increase

Q.20 Evaluate 182^2 .

- Ans**
- ☐ 1. 33094
 - ☐ 2. 33084
 - ☒ 3. 33124
 - ☐ 4. 33074

Q.21 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. 49
 - ☒ 2. 50
 - ☐ 3. 51
 - ☐ 4. 48

Q.22 The sum of the squares of two consecutive even natural numbers is 1460. The sum of the numbers is:

- Ans**
- ☐ 1. 60
 - ☐ 2. 56
 - ☐ 3. 58
 - ☒ 4. 54

Q.23 Lokesh and Manoj can complete a certain piece of work in 11 and 15 days, Manoj left. In how many days will Lokesh complete the remainder?

- Ans**
- ◀ ▶
- ☒ 1. $2\frac{1}{3}$
 - ☐ 2. $7\frac{2}{3}$
 - ☐ 3. $7\frac{1}{3}$
 - ☐ 4. $2\frac{2}{3}$

Q.24 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. ₹2,600
 - ☐ 4. ₹2,560

Q.25 The number 956169 is divisible by which of the following?

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

Q.26 Himanshi bought a toy for ₹199, decorated it at a cost of ₹9, and sol

- Ans
- ☐ 1. $\frac{575}{52}$ % loss
 - ☒ 2. $\frac{575}{52}$ % profit
 - ☐ 3. $\frac{585}{52}$ % loss
 - ☐ 4. 575% profit

Q.27 Simplify: $\frac{\cos \alpha}{1 - \sin \alpha} - \frac{1 + \sin \alpha}{\cos \alpha}$

- Ans
- ☐ 1. $\cos^2 \alpha$
 - ☒ 2. 0
 - ☐ 3. 1
 - ☐ 4. $\sin^2 \alpha$

Q.28 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. 8 hours 30 minutes
 - ☐ 2. 7 hours 15 minutes
 - ☐ 3. 8 hours 45 minutes
 - ☐ 4. 9 hours 30 minutes

Q.29 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:

(Take $\pi = \frac{22}{7}$)

- Ans
- ☒ 1. 21.88
 - ☐ 2. 23.29
 - ☐ 3. 21.09
 - ☐ 4. 23.95

Q.30 The number 861616843 is divisible by which of the following?

- Ans ☐ 1. 47
☒ 2. 43
☐ 3. 50
☐ 4. 36

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.)

16, 47
24, 71

- Ans ☒ 1. 35, 104
☐ 2. 15, 62
☐ 3. 12, 45
☐ 4. 27, 101

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

Q.3 What should come in place of the question mark (?) in the given series?

59 , 60 , 64 , 73 , 89 , ?

- Ans ☐ 1. 115
☐ 2. 116
☒ 3. 114
☐ 4. 113

Q.4 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. DXFS
☒ 3. DXSF
☐ 4. DFSE

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.

(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. One
 - ☐ 2. None
 - ☐ 3. Two
 - ☒ 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) # © 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. 2
 - ☐ 2. 1
 - ☐ 3. 4
 - ☐ 4. 3

Q.7 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. na
 - ☐ 2. ko
 - ☐ 3. tu
 - ☐ 4. ie

Q.8 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. Q
 - ☐ 2. N
 - ☐ 3. P
 - ☒ 4. M

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. NRS
 - ☐ 2. UYZ
 - ☐ 3. JNO
 - ☒ 4. INN

Q.10 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. JGA
 - ☒ 2. JGB
 - ☐ 3. JHA
 - ☐ 4. JHB

Q.11 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-MP
 - ☐ 2. HO-KQ-NP
 - ☐ 3. GO-KQ-NP
 - ☐ 4. GO-LQ-NP

Q.12 What should come in place of the question mark (?) in the given series?

81 ? 36 21 11 6

- Ans
- ☐ 1. 52
 - ☒ 2. 56
 - ☐ 3. 54
 - ☐ 4. 48

Q.13 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?

63 A 7 C 18 D 8 B 2 = ?

- Ans
- ☐ 1. 18
 - ☐ 2. 26
 - ☐ 3. 5
 - ☒ 4. 11

Q.14 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. 33
 - ☒ 3. 34
 - ☐ 4. 31

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. SLO
 - ☒ 2. UNR
 - ☐ 3. QJM
 - ☐ 4. WPS

Q.16 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. 35
 - ☒ 2. 19
 - ☐ 3. 26
 - ☐ 4. 12

Q.17 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. 7 km to the East
 - ☐ 2. 6 km to the South
 - ☐ 3. 4 km to the South
 - ☐ 4. 5 km to the West

Q.18 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. Sister's daughter
 - ☐ 3. Daughter
 - ☐ 4. Sister

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 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. 4
 - ☐ 2. 1
 - ☐ 3. 2
 - ☒ 4. 3

Q.20 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. West
 - ☐ 2. East
 - ☒ 3. South
 - ☐ 4. North

Q.21 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. K
 - ☒ 2. W
 - ☐ 3. H
 - ☐ 4. V

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. LHN
 - ☒ 2. NJO
 - ☒ 3. FBH
 - ☒ 4. IEK

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

22 26 32 40 50 ?

- Ans**
- ☒ 1. 70
 - ☒ 2. 76
 - ☒ 3. 62
 - ☒ 4. 84

Q.24 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. 1
 - ☒ 2. 2
 - ☒ 3. 4
 - ☒ 4. 3

Q.25 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. HJM
 - ☒ 2. MHJ
 - ☒ 3. HMJ
 - ☒ 4. MJH

Q.26 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. 4
 - ☒ 2. 8
 - ☒ 3. 5
 - ☒ 4. 3

- 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 Indians are Americans. Some Americans are Chinese.

Conclusions (I): No Chinese is an American.

Conclusions (II): All Indians are Chinese.

- 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** 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.29** 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. RACK - RACK - KCAR
☐ 4. JUTE - UJTE - UTEJ

- Q.30** 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



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 Center Name	M.A.Global Online Exam Center
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 How many total Sustainable Development Goals (SDGs) were adopted at the United Nations Sustainable Development Summit in New York in September 2015?

- Ans
- ☐ 1. 18
 - ☐ 2. 15
 - ☒ 3. 17
 - ☐ 4. 16

Q.2 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, Amlan Borgohain
 - ☐ 2. Gurindervir Singh, Animesh Kujur, Manikanta H, Amiya Mallick
 - ☐ 3. Amiya Mallick, Mohammed Anas, Noah Nirmal Tom, Rajesh Ramesh
 - ☐ 4. Srabani Nanda, Dutee Chand, Hima Das, Archana Suseendran

Q.3 Which desktop element in Windows displays system notifications, date and time, and background apps status?

- Ans
- ☐ 1. Start Menu
 - ☐ 2. Control Panel
 - ☒ 3. Notification Area
 - ☐ 4. File Explorer

Q.4 The government initiative known as KIRTI, an acronym for Khelo India Rising Talent Identification, was inaugurated in ____.

- Ans
- ☐ 1. 2023
 - ☐ 2. 2022
 - ☒ 3. 2024
 - ☐ 4. 2025

Q.5 Which of the following is a feature of the Eastern Coastal Plain of India?

- Ans
- ☐ 1. Narrow and rocky
 - ☒ 2. Wider and formed by alluvial deposits
 - ☐ 3. Presence of numerous estuaries
 - ☐ 4. Located between the Western Ghats and the Arabian Sea

Q.6 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. Forest area
 - ☐ 2. Net sown area
 - ☐ 3. Area under non-agricultural use
 - ☒ 4. Barren and wasteland

Q.7 Which economic system dominated India on the eve of independence (in 1947)?

- Ans**
- ☒ 1. Colonial agrarian economy
 - ☐ 2. Socialist planned economy
 - ☐ 3. Global free market
 - ☐ 4. Import substitution industrialisation

Q.8 Article 6 of the Constitution pertains to the citizenship of persons who migrated to India from which of the following territories?

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

Q.9 In which year did Andre-Marie Ampère publish his magnum opus 'Mathematical Theory of Electrodynamics Phenomena Deduced Solely from Experiments'?

- Ans**
- ☐ 1. 1811
 - ☐ 2. 1833
 - ☐ 3. 1818
 - ☒ 4. 1827

Q.10 Which important Sikh festival is on 5 November 2025?

- Ans**
- ☐ 1. Baisakhi
 - ☐ 2. Holi
 - ☒ 3. Guru Nanak Jayanti
 - ☐ 4. Lohri

Q.11 By what year is the India-UK FTA expected to be fully implemented?

- Ans**
- ☒ 1. 2026
 - ☐ 2. 2025
 - ☐ 3. 2030
 - ☐ 4. 2027

Q.12 Harold C Urey was awarded the Nobel Prize in Chemistry, in 1934:

- Ans**
- ☐ 1. for the discovery and development of conductive polymers
 - ☐ 2. for the development of the density-functional theory
 - ☐ 3. for discovery in the chemistry of the transuranium elements
 - ☒ 4. for the discovery of heavy hydrogen

Q.13 Which of the following instruments is primarily used by the RBI for monetary policy implementation in the post 1991 reform era?

- Ans**
- ☐ 1. Direct taxes
 - ☒ 2. Repo rate
 - ☐ 3. Export incentives
 - ☐ 4. Tariff rates

Q.14 In which northeastern state was the Hornbill Festival held with record participation in December 2024?

- Ans**
- ☐ 1. Assam
 - ☐ 2. Meghalaya
 - ☒ 3. Nagaland
 - ☐ 4. Manipur

Q.15 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. Babar
 - ☐ 2. Shah Jahan
 - ☐ 3. Akbar
 - ☐ 4. Aurangzeb

Q.16 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 9
 - ☐ 4. Article 7

Q.17 The Gulf of Mannar lies between:

- Ans**
- ☐ 1. India and Maldives
 - ☐ 2. mainland India and Andaman Islands
 - ☐ 3. Sri Lanka and Maldives
 - ☒ 4. India and Sri Lanka

Q.18 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. Deen Dayal Upadhyaya Grameen Kaushalya Yojana 2.0
 - ☐ 4. Pradhan Mantri Kaushal Vikas Yojana 4.0

Q.19 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. Rise of Indian industry
 - ☒ 2. Influx of machine-made British goods
 - ☐ 3. Environmental degradation
 - ☐ 4. Lack of domestic demand

Q.20 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.21 Which sector(s) employed the largest share of the working population in India on the eve of independence?

- Ans**
- ☒ 1. Primary sector
 - ☐ 2. Secondary sector
 - ☐ 3. Both tertiary and secondary sectors
 - ☐ 4. Tertiary sector

Q.22 Which of the following was the objective of the law enacted in 1856 in India?

- Ans**
- ☐ 1. Temple entry for Shudras
 - ☒ 2. Legalising widow remarriage
 - ☐ 3. Abolition of caste system
 - ☐ 4. Banning of child labour

Q.23 Which of the following countries does NOT share a land border with India?

- Ans**
- ☐ 1. China
 - ☒ 2. Sri Lanka
 - ☐ 3. Myanmar
 - ☐ 4. Afghanistan

Q.24 Kathputli is a traditional puppet show of which of the following Indian states?

- Ans**
- ☐ 1. Kerala
 - ☐ 2. Assam
 - ☒ 3. Rajasthan
 - ☐ 4. Odisha

Q.25 What was the theme of the IIAS-DARPG India Conference held in New Delhi in February 2025?

- Ans**
- ☐ 1. Innovations in Public Policy
 - ☒ 2. Next Generation Administrative Reforms – Empowering Citizens and Reaching the Last Mile
 - ☐ 3. Strengthening Federal Structures
 - ☐ 4. Digital Transformation in Governance – Empowering Citizens and Reaching the Last Mile

Q.26 Which leader played the most crucial role in integrating princely states into India post-independence?

- Ans**
- ☐ 1. BR Ambedkar
 - ☒ 2. Sardar Vallabhbhai Patel
 - ☐ 3. Subhas Chandra Bose
 - ☐ 4. Jawaharlal Nehru

Q.27 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. Touchscreen
 - ☒ 2. Mouse
 - ☐ 3. Scanner
 - ☐ 4. Keyboard

Q.28 Which of the following administrative features was common to both Pallava and Pandya kingdoms?

- Ans**
- ☐ 1. Abolition of land revenue taxes
 - ☐ 2. Rule by elected monarchs
 - ☒ 3. Village assemblies were called Sabha and Ur
 - ☐ 4. Division of the kingdom into Mandalams and Nadus

Q.29 Which Indian space tech startup along with Google launched India's first private satellite constellation?

- Ans**
- ✓ 1. Pixxel
 - ✗ 2. Ship Rocket
 - ✗ 3. Udaan
 - ✗ 4. Livspace

Q.30 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.31 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 digitise ancient Indian manuscripts
 - ✗ 3. To establish a national database of dialects
 - ✗ 4. To develop a new programming language for Indian developers

Q.32 Which film won the Best Picture award at the 25th IIFA Awards in 2025?

- Ans**
- ✗ 1. Stree 2
 - ✗ 2. Article 370
 - ✗ 3. Bhool Bhulaiyaa 3
 - ✓ 4. Laapataa Ladies

Q.33 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. Only industrial disputes between employers and workers
 - ✓ 2. Matters such as taxation, foreign exchange, land reforms, etc., which can be assigned to tribunals by legislation
 - ✗ 3. Recruitment and service conditions of public servants (civil services)
 - ✗ 4. Appointment of Supreme Court judges

Q.34 Which of the following Indian organisations successfully conducted the combat firing of the Multi-Influence Ground Mine (MIGM) in May 2025?

- Ans**
- ✗ 1. Bharat Dynamics Limited and Indian Coast Guard
 - ✓ 2. Defence Research and Development Organisation and Indian Navy
 - ✗ 3. Hindustan Aeronautics Limited and Indian Air Force
 - ✗ 4. Indian Space Research Organisation and Indian Army

Q.35 Which state government introduced the Drone Promotion and Utilisation Policy, 2025?

- Ans**
- ✗ 1. Punjab
 - ✗ 2. Jharkhand
 - ✓ 3. Madhya Pradesh
 - ✗ 4. Odisha

Q.36 Which Act first created the position of a Governor-General of India with civil and military authority?

- Ans**
- ✓ 1. Charter Act 1833
 - ✗ 2. Government of India Act 1858
 - ✗ 3. Pitt's India Act
 - ✗ 4. Regulating Act

Q.37 What was India's Human Development Index (HDI) value in the 2025 UNDP report?

- Ans**
- ✗ 1. 0.700
 - ✗ 2. 0.676
 - ✗ 3. 0.690
 - ✓ 4. 0.685

Q.38 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. Bengaluru
 - ✗ 3. Chennai
 - ✗ 4. Mumbai

Q.39 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.40 Which level of government generally legislates on matters such as police, public health and agriculture in India?

- Ans**
- ✗ 1. Union Government
 - ✗ 2. Local Bodies
 - ✓ 3. State Legislatures
 - ✗ 4. Inter-State Council

Section : Mathematics

Q.1 Find the value of x satisfying: $5(2x^2 - 7) - 2(5x^2 + 8x - 2) = 12$

- Ans**
- ✗ 1. $-\frac{39}{16}$
 - ✗ 2. $-\frac{49}{16}$
 - ✓ 3. $-\frac{43}{16}$
 - ✗ 4. $-\frac{53}{16}$

Q.2 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. 800
 - ✗ 2. 820
 - ✗ 3. 824
 - ✗ 4. 784

Q.3 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. 6 km/hr
 - ✓ 2. 1 km/hr
 - ✗ 3. 7 km/hr
 - ✗ 4. 3 km/hr

Q.4 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. $7\frac{6}{167}$ hours
 - ✗ 2. $11\frac{6}{167}$ hours
 - ✗ 3. $13\frac{6}{167}$ hours
 - ✓ 4. $6\frac{6}{167}$ hours

Q.5 Pipe P can fill $\frac{3}{4}$ part of a tank in 27 hours, and pipe Q can fill $\frac{2}{3}$ part of a tank in 36 hours. Both P and Q were kept open for 6 hours, then both were closed. Pipe R emptied the water in the tank in 8 hours. Pipes P, Q and R together

- Ans**
- ✗ 1. 31 hours
 - ✓ 2. 48 hours
 - ✗ 3. 45 hours
 - ✗ 4. 37 hours

Q.6 Find the value of $50^{-6} \div 50^{18} \times 50^{-5}$.

- Ans**
- ✗ 1. 50^{-36}
 - ✓ 2. 50^{-29}
 - ✗ 3. 50^{-19}
 - ✗ 4. 50^{-32}

Q.7 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. 12,348
 - ✓ 2. 12,350
 - ✗ 3. 12,349
 - ✗ 4. 12,352

Q.8 The average of first 160 even numbers is

- Ans**
- ☐ 1. 161.5
 - ☐ 2. 160.5
 - ☐ 3. 162
 - ☒ 4. 161

Q.9 The perimeter of a square is 336 m. Its area (in m^2) is:

- Ans**
- ☐ 1. 7057
 - ☐ 2. 7036
 - ☐ 3. 7052
 - ☒ 4. 7056

Q.10 Find the median of 26, 13, 14, 15, 8, 36, 23, 35 and 50.

- Ans**
- ☐ 1. 50
 - ☒ 2. 23
 - ☐ 3. 26
 - ☐ 4. 35

Q.11 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. 21
 - ☐ 4. 15

Q.12 The product of two consecutive natural numbers is 702. The greater of the two numbers is:

- Ans**
- ☒ 1. 27
 - ☐ 2. 38
 - ☐ 3. 26
 - ☐ 4. 24

Q.13 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. 75%
 - ☒ 2. 80%
 - ☐ 3. 85%
 - ☐ 4. 79%

Q.14 Which of the following numbers divides 86,16,16,843?

- Ans**
- ☐ 1. 36
 - ☒ 2. 43
 - ☐ 3. 50
 - ☐ 4. 47

Q.15 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. 1960
 - ☒ 2. 1980
 - ☐ 3. 1970
 - ☐ 4. 1950

Q.16

By how much is 65% of 65 greater than $\frac{1}{5}$ of 45?

- Ans
- ☐ 1. 31.25
 - ☐ 2. 30.25
 - ☐ 3. 27.25
 - ☒ 4. 33.25

Q.17 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. 25%
 - ☐ 2. 30%
 - ☐ 3. 26%
 - ☐ 4. 28%

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. 10
 - ☐ 3. 30
 - ☐ 4. 40

Q.19 Which of the following ratios is the greatest?

- Ans
- ☒ 1. 50 : 60
 - ☐ 2. 37 : 76
 - ☐ 3. 35 : 72
 - ☐ 4. 43 : 65

Q.20 Find the value of: $[459 \div \{11 + 2 \times (5 - 9)\}]$.

- Ans
- ☒ 1. 153
 - ☐ 2. 154
 - ☐ 3. 155
 - ☐ 4. 152

Q.21 Which of the following statements is correct?

- Ans
- ☐ 1. A square is a special case of a rhombus only.
 - ☐ 2. A square is a special case of neither a rectangle nor a rhombus.
 - ☐ 3. A square is a special case of a rectangle only.
 - ☒ 4. A square is a special case of both a rectangle and a rhombus.

Q.22 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. $M - N = 2$
 - ☐ 2. $M + N = -2$
 - ☐ 3. $M = N$
 - ☐ 4. $M - N = 1$

Q.23 Which of the following numbers divides 81,42,42,541?

- Ans**
- ☒ 1. 8
 - ☒ 2. 15
 - ☒ 3. 7
 - ☒ 4. 12

Q.24 If $\frac{x}{y} = \cot \theta$, where θ is an acute angle, then $\operatorname{cosec} \theta =$ _____

- Ans**
- ☒ 1. $\frac{\sqrt{x^2 + y^2}}{y}$
 - ☒ 2. $\frac{\sqrt{x^2 + y^2}}{x}$
 - ☒ 3. $\frac{y}{x}$
 - ☒ 4. $\frac{\sqrt{y^2 - x^2}}{y}$

Q.25 ₹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. ₹3,924
 - ☒ 2. ₹4,100
 - ☒ 3. ₹3,915
 - ☒ 4. ₹4,063

Q.26 The simple interest on a certain sum for $3\frac{1}{3}$ years at the rate of 4.2%

What will be the amount payable on the same sum at the rate of 6.4%

- Ans**
- ☒ 1. ₹75,150
 - ☒ 2. ₹75,131
 - ☒ 3. ₹75,143
 - ☒ 4. ₹75,148

Q.27 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. ₹522
 - ☒ 2. ₹520
 - ☒ 3. ₹519
 - ☒ 4. ₹523

Q.28 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. 20,990
 - ☒ 2. 20,995
 - ☒ 3. 20,991
 - ☒ 4. 20,998

Q.29 What is the area of a triangle with a base of 12 cm and a height of 8 cm?

- Ans**
- ☒ 1. 48 cm²
 - ☐ 2. 96 cm²
 - ☐ 3. 24 cm²
 - ☐ 4. 16 cm²

Q.30 The LCM of the numbers 12.8 and 0.004 is:

- Ans**
- ☐ 1. 0.128
 - ☐ 2. 128
 - ☒ 3. 12.8
 - ☐ 4. 1.28

Section : General Intelligence and Reasoning

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

Q.2 If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$51 + 8 - 8 \div 80 \times 4 = ?$$

- Ans**
- ☒ 1. 7
 - ☐ 2. 20
 - ☐ 3. 26
 - ☐ 4. 14

Q.3 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. ZIG
 - ☐ 3. ZML
 - ☐ 4. ZWR

Q.4 In a certain code language, 'EARS' is coded as '4259' and 'SARI' is coded as '9725'. What is the code for 'T' in the given code language?

- Ans**
- ☐ 1. 9
 - ☒ 2. 7
 - ☐ 3. 5
 - ☐ 4. 2

Q.5 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. Q
 - ☐ 2. W
 - ☐ 3. X
 - ☒ 4. Z

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) 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. 9
 - ☐ 2. 5
 - ☐ 3. 1
 - ☐ 4. 4

Q.7 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. Father's sister
 - ☒ 2. Mother
 - ☐ 3. Mother's mother
 - ☐ 4. Sister

Q.8 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. West
 - ☐ 2. North
 - ☒ 3. Southeast
 - ☐ 4. Southwest

Q.9 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. 6
 - ☒ 4. 4

Q.10 What should come in place of the question mark (?) in the given series?
99, 100, 102, 106, 114, ?

- Ans**
- ☐ 1. 125
 - ☐ 2. 135
 - ☒ 3. 130
 - ☐ 4. 103

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.

COME - OCME - EOCM
NEAT - ENAT - TENA

- Ans**
- ☒ 1. HEAT - EHAT - EATH
 - ☒ 2. GONE - OGNE - EONG
 - ☒ 3. SANK - ASNK - KASN
 - ☒ 4. DOST - DSOT - TSOD

Q.12 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. AEMU
 - ☒ 2. AZEM
 - ☒ 3. AEMZ
 - ☒ 4. AZME

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 cars are buses. Some cars are trucks.

Conclusions (I): Some trucks are cars.

Conclusions (II): Some buses are cars.

- 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.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.

JUNK - UJNK - KUJN
LACK - ALCK - KALC

- Ans**
- ☒ 1. MOST - OMST - OSTM
 - ☒ 2. BUNS - UBNS - SUNB
 - ☒ 3. FROM - RFOM - MRFO
 - ☒ 4. MOCK - MCOK - KCOM

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. JEM
 - ☒ 2. OJR
 - ☒ 3. GBI
 - ☒ 4. LGO

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) > 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. One
 - ☒ 3. Three
 - ☒ 4. Two

Q.17 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. Three
 - ☒ 2. Two
 - ☒ 3. One
 - ☒ 4. None

Q.18 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. W
 - ☒ 4. E

Q.19 If + means $\div$, $\div$ means $\times$, $\times$ 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. 45
 - ☒ 2. 35
 - ☒ 3. 40
 - ☒ 4. 30

Q.20 What should come in place of the question mark (?) in the given series?

3 13 28 48 ? 103

- Ans**
- ☒ 1. 73
 - ☒ 2. 71
 - ☒ 3. 70
 - ☒ 4. 68

Q.21 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. 10 km to the west
 - ☒ 2. 5 km to the west
 - ☒ 3. 8 km to the west
 - ☒ 4. 9 km to the west

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.)

(38, 12, 456)

(44, 11, 484)

- Ans**
- ☒ 1. (43, 6, 278)
 - ☒ 2. (61, 4, 254)
 - ☒ 3. (38, 8, 304)
 - ☒ 4. (67, 5, 365)

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. DZB
 - ☒ 2. EAW
 - ☒ 3. OKG
 - ☒ 4. MIE

Q.24 What should come in place of the question mark (?) in the given series?

90 90 91 95 104 ?

- Ans**
- ☒ 1. 120
 - ☒ 2. 121
 - ☒ 3. 122
 - ☒ 4. 119

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 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. 1
 - ☒ 2. 3
 - ☒ 3. 2
 - ☒ 4. 4

Q.26 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. ZYZ -3
 - ☒ 2. ZZZ -6
 - ☒ 3. ZZA -6
 - ☒ 4. ZZA -3

Q.27 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. Four
 - ☒ 2. One
 - ☒ 3. Three
 - ☒ 4. Two

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. EGB
 - ☒ 2. GIC
 - ☒ 3. IKE
 - ☒ 4. LNH

Q.29 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. 10
 - ☒ 2. 7
 - ☒ 3. 8
 - ☒ 4. 6

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 trams are cows.

No cow is a bun.

Conclusions:

(I): No tram is a bun.

(II): Some buns are cows.

- 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.



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 Center Name	iON Digital Zone iDZ 2 Moula Ali
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 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. Chhattisgarh
 - ☒ 2. Uttar Pradesh
 - ☒ 3. Madhya Pradesh
 - ☒ 4. Arunachal Pradesh

Q.2 Which of the following best defines the strategy of Passive Resistance as advocated by Extremists?

- Ans**
- ☒ 1. Military training of Indian youth abroad
 - ☒ 2. Boycott, Swadeshi and non-cooperation with rulers
 - ☒ 3. Armed confrontation with colonial forces
 - ☒ 4. Assassination of British officers

Q.3 Which of the following is a Buddhist text containing stories related to the previous births of the Buddha?

- Ans**
- ☒ 1. Arthashastra
 - ☒ 2. Panchatantra
 - ☒ 3. Manusmriti
 - ☒ 4. Jatakas

Q.4 Which of the following options best describes the state of Indian industries under British rule?

- Ans**
- ☒ 1. Widespread industrialisation across rural India
 - ☒ 2. Promotion of indigenous entrepreneurship
 - ☒ 3. Rapid growth of modern manufacturing
 - ☒ 4. Systematic decline of traditional industries

Q.5 Which of the following is a water pollutant?

- Ans**
- ☒ 1. Nitrogen gas
 - ☒ 2. Oxygen
 - ☒ 3. Lead
 - ☒ 4. Carbon dioxide

Q.6 The 25th Amendment curtailed the right to property by amending which Article of Indian Constitution?

- Ans**
- ☐ 1. Article 12
 - ☒ 2. Article 31
 - ☐ 3. Article 33
 - ☐ 4. Article 13

Q.7 Netaji Subhash Chandra Bose Dweep is a part of which island?

- Ans**
- ☒ 1. Andaman Islands
 - ☐ 2. Rameswaram Island
 - ☐ 3. Lakshadweep Islands
 - ☐ 4. Majuli Island

Q.8 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)

Q.9 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.10 What is the significance of DRDO's successful test of the Long-Range Anti-Ship Missile (LRASHM) in 2025?

- Ans**
- ☐ 1. It was the first missile to use solar propulsion
 - ☐ 2. It replaced the need for aircraft carriers
 - ☐ 3. It marked India's first hypersonic missile test
 - ☒ 4. It enhances India's strategic deterrence capabilities

Q.11 Which country won both the Men's and Women's titles at the Kabaddi World Cup 2025, held at Wolverhampton in England?

- Ans**
- ☒ 1. India
 - ☐ 2. Bangladesh
 - ☐ 3. Iran
 - ☐ 4. Pakistan

Q.12 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. Dowry harassment
 - ☒ 2. Child sexual abuse
 - ☐ 3. Constitutional interpretations
 - ☐ 4. Serious offenses like murder

Q.13 Which country hosted the 6th BIMSTEC Summit in March 2025?

- Ans**
- ☒ 1. Thailand
 - ☐ 2. India
 - ☐ 3. Sri Lanka
 - ☐ 4. Bangladesh

Q.14 As per Deloitte, how much will AI in healthcare boost India's GDP by 2025?

- Ans**
- ☐ 1. USD 35–40 billion
 - ☐ 2. USD 45–50 billion
 - ☐ 3. USD 12–18 billion
 - ☒ 4. USD 25–30 billion

Q.15 Tariff reforms were central to the liberalisation of trade. What happened to import tariffs after 1991?

- Ans**
- ☐ 1. It was replaced with import bans
 - ☐ 2. It remained unchanged
 - ☒ 3. It gradually reduced
 - ☐ 4. It increased

Q.16 The Harappans were first in Eurasia to grow ____.

- Ans**
- ☐ 1. Potato
 - ☒ 2. Cotton
 - ☐ 3. Indigo
 - ☐ 4. Mustard Seeds

Q.17 Which of the following natural regions is known for evergreen dense forests and high biodiversity?

- Ans**
- ☐ 1. Tundra region
 - ☒ 2. Equatorial region
 - ☐ 3. Steppe region
 - ☐ 4. Mediterranean region

Q.18 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

Q.19 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. Full privatisation
 - ☐ 3. Focus on consumerism
 - ☐ 4. Absence of licensing

Q.20 Which of the following types of memory is volatile, meaning its contents are lost when the computer is turned off?

- Ans**
- ☐ 1. Hard Disk
 - ☐ 2. Pen Drive
 - ☒ 3. RAM
 - ☐ 4. ROM

Q.21 The Queen's Stepwell in Gujarat, known officially as Rani-ki-Vav, is situated along the course of which river?

- Ans**
- ☐ 1. Narmada
 - ☐ 2. Tapi
 - ☐ 3. Sabarmati
 - ☒ 4. Saraswati

Q.22 What was the mascot name of Khelo India Youth Games 2025 held in Bihar in May 2025?

- Ans**
- ☐ 1. Appu
 - ☐ 2. Nini
 - ☒ 3. Gajsimha
 - ☐ 4. Dou Dou

Q.23 Which of the following is the main objective of the Right to Information Act?

- Ans**
- ☐ 1. To ensure secrecy in public administration
 - ☒ 2. To promote transparency and accountability
 - ☐ 3. To provide private data to media houses
 - ☐ 4. To prevent public access to government records

Q.24 Which of the following types of cases is NOT generally taken up by Lok Adalats in India?

- Ans**
- ☒ 1. Murder trials
 - ☐ 2. Divorce settlements
 - ☐ 3. Utility bill disputes
 - ☐ 4. Motor accident claims

Q.25 What was the name of stadium where India beat Bangladesh in South Asian Football Federation (SAFF) Under-19 Championship 2025?

- Ans**
- ☐ 1. Jawaharlal Nehru Stadium, Delhi
 - ☐ 2. Salt Lake Stadium, Kolkata
 - ☐ 3. JRD Tata Sports Complex, Jamshedpur
 - ☒ 4. Yupia Outdoor Stadium, Arunachal Pradesh

Q.26 What is baking soda chemically known as?

- Ans**
- ☐ 1. Sodium carbonate
 - ☒ 2. Sodium bicarbonate
 - ☐ 3. Calcium carbonate
 - ☐ 4. Magnesium hydroxide

Q.27 The primary sector saw uneven regional development during 1947-91. Which region benefitted the most from the Green Revolution?

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

Q.28 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. Mizoram
 - ☐ 2. Bihar
 - ☒ 3. Odisha
 - ☐ 4. Assam

Q.29 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. 20th
 - ☒ 2. 19th
 - ☐ 3. 18th
 - ☐ 4. 17th

Q.30 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.31 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. $[M^1L^2T^{-2}]$
 - ☐ 2. $[ML^2T^{-3}]$
 - ☐ 3. $[M^1L^2]$
 - ☐ 4. $[M^2L^2T^{-1}]$

Q.32 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. Armenia and Turkey
 - ☐ 2. Georgia and Russia
 - ☐ 3. Azerbaijan and Georgia
 - ☒ 4. Armenia and Azerbaijan

Q.33 The typical landform seen in the Thar Desert is:

- Ans**
- ☐ 1. glacial moraines
 - ☐ 2. alluvial plains
 - ☐ 3. river deltas
 - ☒ 4. sand dunes

Q.34 The first cross-country pipeline in Asia connected the Naharkatiya oilfield in Assam to which refinery?

- Ans**
- ☐ 1. Panipat Refinery
 - ☐ 2. Mathura Refinery
 - ☒ 3. Barauni Refinery
 - ☐ 4. Haldia Refinery

Q.35 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. Cyber Sakhi: AI Awareness Program
 - ☐ 4. Digital Shakti: Women in Tech

Q.36 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. Separate electorates for minorities
 - ☐ 2. Monopoly trade licenses
 - ☐ 3. Zamindari system
 - ☒ 4. Privy purses of former princely rulers

Q.37 In the 2024 Global Innovation Index, which country was ranked as the most innovative?

- Ans**
- ☐ 1. Sweden
 - ☐ 2. Singapore
 - ☒ 3. Switzerland
 - ☐ 4. United States

Q.38 Which of the following statements about the Gram Sabha is correct?

- Ans**
- ☒ 1. It comprises all adult voters in the Panchayat area; its role is defined by state law.
 - ☐ 2. It meets only once every five years.
 - ☐ 3. It has authority to override the decisions of the Panchayat.
 - ☐ 4. It consists only of elected members of the Gram Panchayat.

Q.39 Which is the first Indian state/UT to launch the nPROUD (New Programme for Removal of Unused Drugs) project?

- Ans**
- ☐ 1. Telangana
 - ☐ 2. Delhi
 - ☒ 3. Kerala
 - ☐ 4. Maharashtra

Q.40 What happens when you create a folder with the same name in the same location?

- Ans**
- ☐ 1. It replaces the old folder.
 - ☐ 2. The system automatically renames it.
 - ☒ 3. It gives an error.
 - ☐ 4. It opens the original folder.

Section : Mathematics

Q.1 Simplify: $(\cos^4 A - \sin^4 A + 1) \operatorname{cosec}^2 A$

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

Q.2 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. 55.33
 - ☐ 2. 51.33
 - ☐ 3. 57.33
 - ☒ 4. 53.33

Q.3 The number 253118139 is divisible by which of the following?

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

Q.4 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. 38.25
 - ☐ 2. 53.31
 - ☒ 3. 46.86
 - ☐ 4. 53.45

Q.5 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. 520
 - ☐ 2. 283
 - ☐ 3. 470
 - ☐ 4. 398

Q.6 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.7 If the third proportional of 9 and 60 be x, then what is the value of x?

- Ans**
- ☐ 1. 402
 - ☒ 2. 400
 - ☐ 3. 398
 - ☐ 4. 401

Q.8 The product of two consecutive natural numbers is 552. The greater of the two numbers is:

- Ans**
- ☐ 1. 15
 - ☐ 2. 27
 - ☐ 3. 18
 - ☒ 4. 24

Q.9 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. 198 km/hr
 - ☐ 2. 193 km/hr
 - ☐ 3. 202 km/hr
 - ☐ 4. 203 km/hr

Q.10 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. 49.8
 - ☐ 2. 52.8
 - ☐ 3. 51.8
 - ☒ 4. 50.8

Q.11 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. ₹1,22,000
 - ☐ 2. ₹1,23,400
 - ☒ 3. ₹1,22,400
 - ☐ 4. ₹1,23,000

Q.12 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. II only
 - ☐ 3. I only
 - ☐ 4. Both I and II

Q.13 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. 31 years
 - ☒ 2. 33 years
 - ☐ 3. 37 years
 - ☐ 4. 26 years

Q.14 Find the value of $47^{-8} \div 47^3 \times 47^{-19}$.

- Ans**
- ☐ 1. 47^{-37}
 - ☒ 2. 47^{-30}
 - ☐ 3. 47^{-27}
 - ☐ 4. 47^{-24}

Q.15 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. $3^2 \times 8^2 \times 13^2 \times 16^3$
 - ☐ 3. $3^2 \times 8^3 \times 13 \times 16^2$
 - ☐ 4. $3^3 \times 8^2 \times 13^2 \times 16$

Q.16 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. 5
 - ☒ 2. 11
 - ☐ 3. 6
 - ☐ 4. 3

Q.17 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. 264
 - ☐ 2. 364
 - ☐ 3. 314
 - ☐ 4. 244

Q.18 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. $13\frac{12}{13}$ hours
 - ☐ 2. $11\frac{12}{13}$ hours
 - ☒ 3. $6\frac{12}{13}$ hours
 - ☐ 4. $2\frac{12}{13}$ hours

Q.19 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 24^\circ$ and $\angle$

- Ans**
- ☐ 1. 77°
 - ☒ 2. 92°
 - ☐ 3. 90°
 - ☐ 4. 99°

Q.20 The average of first 169 even numbers is

- Ans**
- ☐ 1. 169.5
 - ☒ 2. 170
 - ☐ 3. 171
 - ☐ 4. 170.5

Q.21 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. $M - N = 5$
 - ☒ 3. $M - N = 1$
 - ☐ 4. $M + N = -1$

Q.22 Which of the following numbers divides 6,30,605?

- Ans**
- ☐ 1. 14
 - ☒ 2. 5
 - ☐ 3. 3
 - ☐ 4. 7

Q.23 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. 11%
 - ☐ 2. 17%
 - ☒ 3. 14%
 - ☐ 4. 13%

Q.24 The perimeter of a square is 76 m. Its area (in m^2) is:

- Ans
- ☐ 1. 336
 - ☐ 2. 372
 - ☐ 3. 360
 - ☒ 4. 361

Q.25 Evaluate: $-12 - \{-8 \times (6 - 12) + 30 \div (-6)\}$

- Ans
- ☐ 1. -57
 - ☒ 2. -55
 - ☐ 3. -52
 - ☐ 4. -58

Q.26 A number, when decreased by 6%, gives 3760. The number is:

- Ans
- ☐ 1. 2000
 - ☐ 2. 8000
 - ☐ 3. 12000
 - ☒ 4. 4000

Q.27 Pipe P can fill $\frac{2}{3}$ part of a tank in 16 hours, and pipe Q can fill $\frac{5}{6}$ part of a tank in 16 hours. Both P and Q were kept open for 2 hours, then both were closed. Pipe R emptied the water in the tank in 8 hours. Pipes P, Q and R together

- Ans
- ☐ 1. 8 hours
 - ☐ 2. 29 hours
 - ☐ 3. 26 hours
 - ☒ 4. 16 hours

Q.28 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. ₹404
 - ☐ 2. ₹407
 - ☐ 3. ₹405
 - ☐ 4. ₹402

Q.29 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. ₹625.78
 - ☐ 2. ₹686.42
 - ☒ 3. ₹516.80
 - ☐ 4. ₹595.48

Q.30 What is the perimeter of an equilateral triangle with side 13 cm?

- Ans
- ☐ 1. 52 cm
 - ☐ 2. 26 cm
 - ☒ 3. 39 cm
 - ☐ 4. 40 cm

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.)

(112, 104, 96)

(136, 128, 120)

- Ans**
- ☒ 1. (91, 83, 77)
 - ☒ 2. (129, 121, 116)
 - ☒ 3. (140, 134, 130)
 - ☒ 4. (154, 146, 138)

Q.2 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. 2
 - ☒ 2. 4
 - ☒ 3. 6
 - ☒ 4. 5

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

Q.4 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. Two
 - ☒ 2. One
 - ☒ 3. Three
 - ☒ 4. None

Q.5 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. tp
 - ☒ 4. mp

Q.6 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. 123
 - ☐ 3. 128
 - ☐ 4. 125

Q.7 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.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 sparrows are owls.

No sparrow is a parrot.

Conclusions:

(I): No owl is a parrot.

(II): No parrot is a sparrow.

- 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.9 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. Four
 - ☐ 3. Two
 - ☐ 4. Three

Q.10 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. South-east
 - ☐ 3. North-west
 - ☐ 4. North

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

101 110 121 134 149 ?

- Ans**
- ☐ 1. 159
 - ☐ 2. 156
 - ☒ 3. 166
 - ☐ 4. 163

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.

HJS : JNV

ACJ : CGM

- Ans**
- ☒ 1. LHS : NLW
 - ☒ 2. OPC : QSG
 - ☒ 3. ORC : QVF
 - ☒ 4. WSK : YWM

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. GK-FI
 - ☒ 3. DH-CF
 - ☒ 4. QU-PS

Q.14 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. 27
 - ☒ 2. 21
 - ☒ 3. 24
 - ☒ 4. 31

Q.15 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. LOI
 - ☒ 2. OIL
 - ☒ 3. LIO
 - ☒ 4. OLI

Q.16 What should come in place of the question mark (?) in the given series?

40 , 48 , 58 , 66 , 76 , ?

- Ans**
- ☒ 1. 84
 - ☒ 2. 85
 - ☒ 3. 89
 - ☒ 4. 86

Q.17 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. MFH
 - ☒ 3. MFG
 - ☒ 4. MEG

Q.18 What should come in place of the question mark (?) in the given series?

801 800 792 765 701 ?

- Ans**
- ☒ 1. 576
 - ☐ 2. 676
 - ☐ 3. 556
 - ☐ 4. 656

Q.19 Piyush ranked 35th from the top and 18th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 52
 - ☐ 2. 53
 - ☐ 3. 51
 - ☐ 4. 54

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 pair.)

- Ans**
- ☐ 1. EI - JN
 - ☐ 2. QU - VZ
 - ☐ 3. OS - TX
 - ☒ 4. JL - MK

Q.21 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. GERT
 - ☒ 2. WEGY
 - ☐ 3. GTRE
 - ☐ 4. GWER

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.

(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. Three
 - ☐ 2. One
 - ☒ 3. Two
 - ☐ 4. Four

Q.23 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
 - ☐ 2. Husband's father
 - ☐ 3. Daughter's husband's brother
 - ☒ 4. Daughter's husband's father

Q.24 Varun ranked 34th from the top and 11th from the bottom in his class. How many students are there in his class?

- Ans**
- ✓ 1. 44
 - ✗ 2. 42
 - ✗ 3. 45
 - ✗ 4. 43

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. YE - DY
 - ✓ 2. FV - KO
 - ✗ 3. MG - RA
 - ✗ 4. IL - NF

Q.26 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$17 \div 5 - 25 + 42 \times 7 = ?$$

- Ans**
- ✓ 1. 104
 - ✗ 2. 105
 - ✗ 3. 103
 - ✗ 4. 106

Q.27 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. EXIL - EIXL - LIXE
 - ✗ 2. OPEN - POEN - NPEO
 - ✗ 3. ROLE - ORLE - OLER
 - ✓ 4. PLOG - LPOG - GOLP

Q.28 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. 3 km north
 - ✗ 2. 4 km east
 - ✗ 3. 3 km east
 - ✓ 4. 5 km north

Q.29 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. Three
 - ☐ 2. None
 - ☐ 3. One
 - ☐ 4. Two

Q.30 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. Two
 - ☐ 3. Three
 - ☐ 4. One



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



Test Center Name	iON Digital Zone iDZ Kannur
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 Which of the following pairs of neighbouring countries are landlocked and share only land borders with India?

- Ans
- ☐ 1. Sri Lanka and Maldives
 - ☐ 2. Bangladesh and Myanmar
 - ☒ 3. Nepal and Bhutan
 - ☐ 4. Pakistan and China

Q.2 Which Gupta emperor was known as the 'Napoleon of India' due to his military conquests and strategic warfare?

- Ans
- ☐ 1. Skandagupta
 - ☒ 2. Samudragupta
 - ☐ 3. Chandragupta I
 - ☐ 4. Kumaragupta

Q.3 Although a colloid appears homogeneous, it is actually a _____.

- Ans
- ☐ 1. suspension
 - ☐ 2. true solution
 - ☐ 3. homogeneous mixture
 - ☒ 4. heterogeneous mixture

Q.4 Who is the director of the film 'Laapataa Ladies', which won Best Picture at the 2025 IIFA Awards?

- Ans
- ☒ 1. Kiran Rao
 - ☐ 2. Farhan Akhtar
 - ☐ 3. Karan Johar
 - ☐ 4. Yash Chopra

Q.5 Which initiative is intended to encourage domestic manufacturing and attract foreign investment?

- Ans
- ☐ 1. Digital India
 - ☐ 2. Skill India
 - ☐ 3. Startup India
 - ☒ 4. Make in India

Q.6 Which of these is a part of solid waste management infrastructure?

- Ans**
- ☒ 1. Garbage collection and disposal
 - ☐ 2. Electricity transmission lines
 - ☐ 3. Sewage pipelines
 - ☐ 4. Drainage tanks

Q.7 Overseas Citizen of India (OCI) holders are:

- Ans**
- ☒ 1. Foreign nationals with special privileges
 - ☐ 2. Persons entitled to hold constitutional posts
 - ☐ 3. Indian citizens with voting rights
 - ☐ 4. Dual citizens of India and another country

Q.8 The 'Montreal Protocol' was signed to control the emission of ____.

- Ans**
- ☒ 1. chlorofluorocarbons
 - ☐ 2. sulphur dioxide
 - ☐ 3. methane
 - ☐ 4. carbon dioxide

Q.9 What was the main aim of TRYSEM (Training for Rural Youth for Self-Employment)?

- Ans**
- ☐ 1. Providing loans to farmers
 - ☐ 2. Offering free education in rural areas
 - ☒ 3. Upgrading skills of rural youth to tackle unemployment
 - ☐ 4. Building infrastructure in villages

Q.10 The Eleventh Schedule of the Indian Constitution relates to which of the following?

- Ans**
- ☐ 1. State list subjects
 - ☐ 2. Functions of municipalities
 - ☐ 3. Anti-defection law
 - ☒ 4. Powers and responsibilities of Panchayats

Q.11 Which country led the 2024 Global Gender Gap Report by closing over 90% of its gender gap?

- Ans**
- ☐ 1. Sweden
 - ☐ 2. Finland
 - ☒ 3. Iceland
 - ☐ 4. Norway

Q.12 Which Indian state shares its border with China, Nepal and Bhutan?

- Ans**
- ☐ 1. Arunachal Pradesh
 - ☒ 2. Sikkim
 - ☐ 3. Himachal Pradesh
 - ☐ 4. Uttarakhand

Q.13 In Indian State governments, to whom is the State Council of Ministers collectively responsible?

- Ans**
- ☐ 1. The Governor of the State
 - ☐ 2. Chief Justice of the concerned State
 - ☒ 3. State Legislative Assembly
 - ☐ 4. Council of States

Q.14 What happens when you delete a file or folder using the Delete key?

- Ans**
- ☒ 1. The file is sent to the Recycle Bin.
 - ☐ 2. The file is renamed automatically.
 - ☐ 3. The file is permanently deleted without warning.
 - ☐ 4. The file is copied to another folder.

Q.15 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 Indian Ports Act, 1908
 - ☐ 4. The Calcutta Port (Pilotage) Act, 1948

Q.16 What was the main aim of IRDP (Integrated Rural Development Programme) ?

- Ans**
- ☒ 1. To assist poor rural families in acquiring assets or skills for self-employment
 - ☐ 2. To provide free food to rural families
 - ☐ 3. To promote urban employment
 - ☐ 4. To build schools in villages

Q.17 Which of the following schemes aims to empower adolescent girls?

- Ans**
- ☐ 1. NRHM
 - ☐ 2. Janani Suraksha Yojana
 - ☐ 3. National Nutrition Mission
 - ☒ 4. Kishori Shakti Yojana

Q.18 Privatisation under the 1991 reforms primarily involved:

- Ans**
- ☐ 1. nationalising private companies
 - ☐ 2. reducing bank interest rates
 - ☒ 3. selling government shares in public sector enterprises
 - ☐ 4. increasing agricultural subsidies

Q.19 Who among the following wrote the novel Godaan, which is considered a classic of modern Hindi literature?

- Ans**
- ☐ 1. RK Narayan
 - ☒ 2. Munshi Premchand
 - ☐ 3. Bankim Chandra Chatterjee
 - ☐ 4. Rabindranath Tagore

Q.20 The Red Fort in Delhi was constructed during the reign of which of the following Mughal emperors?

- Ans**
- ☐ 1. Aurangzeb
 - ☐ 2. Akbar
 - ☐ 3. Babur
 - ☒ 4. Shah Jahan

Q.21 Which revolutionary along with Batukeshwar Dutt threw bombs in the Central Assembly in 1929?

- Ans**
- ☒ 1. Bhagat Singh
 - ☐ 2. Rajguru
 - ☐ 3. Ashfaqulla Khan
 - ☐ 4. Chandrashekhar Azad

Q.22 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. Tegla Loroupe
 - ☐ 2. Fatma Samoura
 - ☐ 3. Nawal El Moutawakel
 - ☒ 4. Kirsty Coventry

Q.23 In March 2025, _____ became the 28th legislature to join the National e-Vidhan Application platform.

- Ans**
- ☒ 1. Delhi
 - ☐ 2. Odisha
 - ☐ 3. Jharkhand
 - ☐ 4. Sikkim

Q.24 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. All matter is made up of indivisible particles called atoms.
 - ☐ 3. Atoms combine in simple whole-number ratios to form compounds.
 - ☐ 4. Atoms of different elements have different masses and properties.

Q.25 Who among the following was appointed as the new Chairman of the Union Public Service Commission (UPSC) in May 2025?

- Ans**
- ☐ 1. Dr. Anil Kumar
 - ☐ 2. Ms. Priya Sharma
 - ☒ 3. Dr. Ajay Kumar
 - ☐ 4. Shri Rajesh Verma

Q.26 Which of the following indigenously developed underwater naval mines was successfully tested by DRDO and the Indian Navy in May 2025?

- Ans**
- ☐ 1. Barak Mine
 - ☐ 2. Varunastra
 - ☒ 3. Multi-Influence Ground Mine
 - ☐ 4. Sea Dragon

Q.27 The Hazira-Vijaipur-Jagdishpur (HVJ) pipeline is mainly used to transport:

- Ans**
- ☒ 1. natural gas
 - ☐ 2. kerosene
 - ☐ 3. crude oil
 - ☐ 4. petrol

Q.28 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 Electronics and Information Technology
 - ☐ 4. Ministry of Communications

Q.29 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. Seven
 - ☐ 3. Five
 - ☒ 4. Six

Q.30 Which of these was NOT a cause of popular resentment against British rule before 1857?

- Ans**
- ☐ 1. High taxes
 - ☒ 2. Religious tolerance
 - ☐ 3. Racial discrimination
 - ☐ 4. Low wages

Q.31 The title Devaputra, used by the Kushana rulers, implies which of the following?

- Ans**
- ☐ 1. Heir to Mauryan traditions
 - ☐ 2. Hereditary monarchy
 - ☐ 3. Protector of Dharma
 - ☒ 4. Divine origin or claim to divinity

Q.32 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. CCS Labs
 - ☐ 3. SST Labs
 - ☒ 4. QNu Labs

Q.33 Which of the following represents the longitudinal extent of India?

- Ans**
- ☐ 1. 58°7'E and 94°25'E
 - ☒ 2. 68°7'E and 97°25'E
 - ☐ 3. 56°7'E and 87°25'E
 - ☐ 4. 54°7'E and 77°25'E

Q.34 Which tool in Windows helps one manage and organize files and folders?

- Ans**
- ☒ 1. File Explorer
 - ☐ 2. Paint
 - ☐ 3. Recycle Bin
 - ☐ 4. Task Manager

Q.35 Padma Vibhushan awardee of 2025, Dr. Lakshminarayana Subramaniam is a famous musician of which instrument?

- Ans**
- ☐ 1. Sitar
 - ☐ 2. Shehnai
 - ☒ 3. Violin
 - ☐ 4. Flute

Q.36 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.37 The Wahabi Movement was started by Syed Ahmad, of ____.

- Ans**
- ☐ 1. Jhansi
 - ☐ 2. Hyderabad
 - ☒ 3. Rae Bareli
 - ☐ 4. Amritsar

Q.38 What key principle did the Supreme Court emphasise in the 2024 Property Owners Association v State of Maharashtra case?

- Ans**
- ☐ 1. Government power overrides individual property rights.
 - ☒ 2. Only scarce or vital resources justify state takeover.
 - ☐ 3. State can acquire all private properties at will.
 - ☐ 4. Public trust doctrine applies to all private assets.

Q.39 Which of the following organisations collaborated with the Indian Navy for the VLSRSAM launch in March 2025?

- Ans**
- ☐ 1. Bharat Electronics Limited
 - ☒ 2. Defence Research and Development Organisation
 - ☐ 3. Bhabha Atomic Research Centre
 - ☐ 4. Hindustan Aeronautics Limited

Q.40 Which Amendment extended the reservation of seats for SCs and STs in the legislatures for another 10 years till 2030?

- Ans**
- ☒ 1. 104th Amendment
 - ☐ 2. 101st Amendment
 - ☐ 3. 105th Amendment
 - ☐ 4. 103rd Amendment

Section : Mathematics

Q.1 What is the equivalent single discount for successive discounts of 20% and 10%?

- Ans**
- ☐ 1. 30%
 - ☐ 2. 25%
 - ☐ 3. 27%
 - ☒ 4. 28%

Q.2 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. 58%
 - ☒ 2. 59%
 - ☐ 3. 62%
 - ☐ 4. 61%

Q.3 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. 2.13 km
 - ☐ 2. 0.92 km
 - ☐ 3. 2.58 km
 - ☒ 4. 1.53 km

Q.4 The LCM of the numbers 6.3 and 0.07 is:

- Ans**
- ☐ 1. 63
 - ☐ 2. 0.63
 - ☐ 3. 0.063
 - ☒ 4. 6.3

Q.5 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. 1,95,265
 - ☐ 2. 1,95,278
 - ☐ 3. 1,95,302
 - ☐ 4. 1,95,361

Q.6 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. 24
 - ☒ 2. 19
 - ☐ 3. 21
 - ☐ 4. 23

Q.7 What smallest number should be added to 16809 so that the sum is completely divisible by 41?

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

Q.8 The sides of a triangle are 28 cm, 45 cm, and 53 cm. What is its area? (in cm^2)

- Ans**
- ☐ 1. 664
 - ☐ 2. 658
 - ☒ 3. 630
 - ☐ 4. 665

Q.9 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. 10%
 - ☐ 2. 15%
 - ☐ 3. 14%
 - ☒ 4. 11%

Q.10 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. $13\frac{27}{35}$ days

☐ 3. $11\frac{27}{35}$ days

☒ 4. $7\frac{27}{35}$ days

Q.11 Evaluate 145^2 .

Ans

☐ 1. 21075

☐ 2. 20975

☐ 3. 21005

☒ 4. 21025

Q.12 Pipe P can fill $\frac{2}{3}$ part of a tank in 24 hours, and pipe Q can fill $\frac{2}{3}$ part

Both P and Q were kept open for 4 hours, then both were closed. Pipe R emptied the water in the tank in 5 hours. Pipes P, Q and R together

Ans

☐ 1. 62 hours

☐ 2. 88 hours

☐ 3. 79 hours

☒ 4. 72 hours

Q.13 Which of the following numbers divides 386937355?

Ans

☐ 1. 15

☐ 2. 3

☐ 3. 14

☒ 4. 5

Q.14 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. ₹12,05,000

☐ 3. ₹11,80,000

☒ 4. ₹11,85,000

Q.15 Find the value of $[682 \div \{20 + 2 \times (5 - 4)\}]$.

Ans

☒ 1. 31

☐ 2. 34

☐ 3. 28

☐ 4. 26

Q.16

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.17 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. ₹89
- ☐ 2. ₹92
- ☒ 3. ₹88
- ☐ 4. ₹90

Q.18 Two cubes of edge 5 cm are joined to form a cuboid. Find the total surface area of the cuboid.

Ans

- ☐ 1. 125 cm^2
- ☐ 2. 25 cm^2
- ☐ 3. 100 cm^2
- ☒ 4. 250 cm^2

Q.19 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. 79.25
- ☒ 2. 75.68
- ☐ 3. 82.07
- ☐ 4. 82.71

Q.20 If $\sec\theta + \tan\theta = s$, then find the value of $\frac{s^2 - 1}{s^2 + 1}$.

Ans

- ☒ 1. $\sin\theta$
- ☐ 2. $\sec\theta$
- ☐ 3. $\cot\theta$
- ☐ 4. $\operatorname{cosec}\theta$

Q.21 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. 88
- ☐ 2. 68
- ☐ 3. 188
- ☐ 4. 138

Q.22 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. 1,065
- ☒ 2. 3,195
- ☐ 3. 5,325
- ☐ 4. 7,455

Q.23 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. 25%
 - ☒ 2. 35%
 - ☒ 3. 40%
 - ☒ 4. 50%

Q.24 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. 32.73
 - ☒ 2. 31.73
 - ☒ 3. 34.73
 - ☒ 4. 33.73

Q.25 *By how much is 65% of 75 greater than $\frac{2}{5}$ of 45?*

- Ans
- ☒ 1. 24.75
 - ☒ 2. 28.75
 - ☒ 3. 27.75
 - ☒ 4. 30.75

Q.26 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 of EF?

- Ans
- ☒ 1. 13
 - ☒ 2. 8
 - ☒ 3. 5
 - ☒ 4. 9

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. $\frac{100}{8}\%$ loss
 - ☒ 2. 50% gain
 - ☒ 3. $\frac{100}{8}\%$ gain
 - ☒ 4. 50% loss

Q.28 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. 72
 - ☒ 3. 90
 - ☒ 4. 75

Q.29 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. ₹127.70
 - ☒ 3. ₹136.60
 - ☐ 4. ₹132.40

Q.30 Find the mean proportional between 19 and 76.

- Ans**
- ☐ 1. 36
 - ☒ 2. 38
 - ☐ 3. 39
 - ☐ 4. 37

Section : General Intelligence and Reasoning

Q.1 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. 8
 - ☐ 2. 6
 - ☒ 3. 10
 - ☐ 4. 12

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. FMI
 - ☒ 2. JQN
 - ☐ 3. LSO
 - ☐ 4. HOK

Q.3 What should come in place of the question (?) in the given series?

53 70 91 116 145 ?

- Ans**
- ☒ 1. 178
 - ☐ 2. 171
 - ☐ 3. 194
 - ☐ 4. 186

Q.4 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. One
 - ☐ 2. Two
 - ☐ 3. Four
 - ☒ 4. Three

Q.5 Shekhar ranked 7th from the top and 38th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 45
 - ☒ 2. 44
 - ☐ 3. 43
 - ☐ 4. 42

Q.6 What should come in place of the question mark (?) in the given series?

442 530 626 730 842 ?

- Ans**
- ☐ 1. 1090
 - ☐ 2. 901
 - ☒ 3. 962
 - ☐ 4. 1025

Q.7 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. 5
 - ☐ 2. 1
 - ☐ 3. 4
 - ☒ 4. 2

Q.8 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. FCJB
 - ☐ 2. FCBH
 - ☐ 3. FHBC
 - ☐ 4. FCBJ

Q.9 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. G
 - ☐ 2. O
 - ☐ 3. F
 - ☒ 4. K

Q.10 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. O
 - ☐ 2. L
 - ☐ 3. N
 - ☒ 4. S

Q.11 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. YMZN
 - ☒ 2. YZMN
 - ☐ 3. YZSD
 - ☐ 4. YZNM

Q.12 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. 5
 - ☐ 2. 7
 - ☐ 3. 9
 - ☒ 4. 6

Q.13 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 unless specified)

- Ans**
- ☐ 1. 8 km towards west
 - ☐ 2. 10 km towards south
 - ☒ 3. 4 km towards east
 - ☐ 4. 1 km towards north

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 bottles are ludo.

All ludo are dancer.

Conclusions:

(I): Some dancers are ludo.

(II): All bottles are dancers.

- 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.15 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. QOL -9
 - ☐ 2. QOP -9
 - ☐ 3. PQS -7
 - ☐ 4. YFQ -7

Q.16 What should come in place of the question mark (?) in the given series?

934 924 925 915 916 906 ? 897

- Ans**
- ☐ 1. 895
 - ☐ 2. 896
 - ☒ 3. 907
 - ☐ 4. 908

Q.17 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. YFH : UKD
 - ☐ 2. FCV : KZQ
 - ☐ 3. HKV : ENS
 - ☒ 4. PNW : LQS

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. BE-DG
 - ☒ 2. EI-HK
 - ☐ 3. DG-FI
 - ☐ 4. SV-UX

Q.19 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. Son's wife's father
 - ☐ 2. Son's wife's brother
 - ☐ 3. Father
 - ☐ 4. Brother

Q.20 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. Two
 - ☐ 2. None
 - ☐ 3. Three
 - ☐ 4. One

- Q.21** 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. 18
 - ☐ 2. 25
 - ☒ 3. 6
 - ☐ 4. 11

- Q.22** 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. 120 m
 - ☐ 2. 150 m
 - ☐ 3. 105 m
 - ☒ 4. 125 m

- 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. One
 - ☐ 2. Two
 - ☒ 3. Three
 - ☐ 4. None

- Q.24** 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. 21
 - ☐ 2. 46
 - ☒ 3. 39
 - ☐ 4. 28

- 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. 2
 - ☒ 3. 3
 - ☐ 4. 4

- Q.26** 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. 6
 - ☐ 4. 1

- 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 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. Both Conclusions I and II follow
 - ☒ 2. Neither Conclusion I nor II follows
 - ☒ 3. Only Conclusion II follows
 - ☒ 4. Only Conclusion I follows

- Q.28** 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. TAH 18
 - ☒ 3. TMH 15
 - ☒ 4. UAH 20

- 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.)

37, 62
52, 77

- Ans**
- ☒ 1. 46, 71
 - ☒ 2. 64, 84
 - ☒ 3. 69, 88
 - ☒ 4. 81, 96

- 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. RUP
 - ☒ 2. VYT
 - ☒ 3. ORM
 - ☒ 4. LOI



सत्यमेव जयते

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 Center Name	Dr Tanveer Malawat Nursing College Bikaner
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 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. Sustainable Alternative Towards Affordable Transportation (SATAT)
 - ☐ 2. Cent Compressed Bio Gas (CBG) Scheme (India)
 - ☐ 3. Waste to Energy Programme (India)
 - ☐ 4. Biogas Programme (India)

Q.2 Which of the following two rice varieties were unveiled as a part of India's genome-editing initiative in May 2025?

- Ans**
- ☐ 1. Pusa DST Rice 2 and Swarna Rice
 - ☐ 2. Kamala and Basmati Gold
 - ☐ 3. Swarna Rice and Golden Rice
 - ☒ 4. Kamala and Pusa DST Rice 1

Q.3 Who was honoured with the Luminous Lummer Dai Literary Award in 2025 for their contributions to Assamese literature?

- Ans**
- ☐ 1. Homen Borgohain
 - ☐ 2. Nirupama Borgohain
 - ☒ 3. Ramchandra Chutia
 - ☐ 4. Indira Goswami

Q.4 The Earth completes one rotation on its axis approximately in:

- Ans**
- ☒ 1. 24 hours
 - ☐ 2. 30 days
 - ☐ 3. 12 hours
 - ☐ 4. 365 days

Q.5 Which of the following is a correct representation of a compound formed by ionic bonding?

- Ans**
- ☐ 1. H_2O
 - ☐ 2. CO_2
 - ☒ 3. NaCl
 - ☐ 4. NH_3

Q.6 What does the keyboard shortcut Ctrl + R do in web browsers?

- Ans**
- ☐ 1. Runs a program
 - ☐ 2. Restores deleted files
 - ☐ 3. Renames a file or folder
 - ☒ 4. Refreshes the active window

Q.7 Which of the following belongs to the Lakshadweep group of islands?

- Ans**
- ☐ 1. Milo Island
 - ☐ 2. Kamorta Island
 - ☐ 3. Chowra Island
 - ☒ 4. Kannur Islands

Q.8 Which of the following chemical reactions does NOT represent a balanced equation?

- Ans**
- ☒ 1. $4\text{Fe} + 3\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 2\text{H}_2$
 - ☐ 2. $3\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 4\text{H}_2$
 - ☐ 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.9 Which British Prime Minister officially announced the decision to grant independence to India and withdraw British forces from the subcontinent?

- Ans**
- ☐ 1. Winston Churchill
 - ☐ 2. Pethick Lawrence
 - ☒ 3. Clement Atlee
 - ☐ 4. Stafford Cripps

Q.10 Which of the following is an example of structural unemployment?

- Ans**
- ☐ 1. A worker being unable to find a job due to discrimination
 - ☐ 2. A worker losing their job due to a recession
 - ☐ 3. A worker choosing not to work due to a lack of job opportunities
 - ☒ 4. A worker being unable to find a job due to a lack of skills in a new and expanding industry

Q.11 Which of the following Vedic words literally means search for cows and also refers to battle?

- Ans**
- ☐ 1. Gomat
 - ☐ 2. Gopala
 - ☒ 3. Gaveshana
 - ☐ 4. Duhitri

Q.12 In May 2025, the Ministry of Education launched a nationwide enforcement drive around schools and colleges for what purpose?

- Ans**
- ☐ 1. Improving safety measures for female students
 - ☒ 2. Making educational institutions free from tobacco and substance
 - ☐ 3. Focusing on mental health awareness
 - ☐ 4. Promote positive campus culture and prevent incidents of ragging

Q.13 According to Article 79 of the Indian Constitution, the Parliament of India consists of:

- Ans**
- ✓ 1. President, Lok Sabha, and Rajya Sabha
 - ✗ 2. only Lok Sabha and Rajya Sabha
 - ✗ 3. Prime Minister, Lok Sabha, and Rajya Sabha
 - ✗ 4. President, Vice President, and Prime Minister

Q.14 In which State has India's first integrated API Green Hydrogen and 2G Ethanol plant been established?

- Ans**
- ✗ 1. Uttarakhand
 - ✓ 2. Himachal Pradesh
 - ✗ 3. Goa
 - ✗ 4. Andhra Pradesh

Q.15 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. Coromandel Coast
 - ✗ 2. Southern Circar
 - ✗ 3. Andhra Plains
 - ✗ 4. Utkal Plains

Q.16 Which act gave statutory status to the Central Vigilance Commission (CVC)?

- Ans**
- ✗ 1. The Central Vigilance Commission Act, 1964
 - ✗ 2. Prevention of Corruption Act, 1988
 - ✗ 3. Lokpal Act, 2013
 - ✓ 4. The Central Vigilance Commission Act, 2003

Q.17 What is the term period of the Comptroller and Auditor General (CAG) of India?

- Ans**
- ✗ 1. 6 years or 60 years
 - ✗ 2. 4 years or 60 years
 - ✗ 3. 5 years or 62 years
 - ✓ 4. 6 years or 65 years

Q.18 What was the theme of the 10th Governing Council Meeting of NITI Aayog that was held on 24 May 2025?

- Ans**
- ✓ 1. Viksit Rajya for Viksit Bharat@2047
 - ✗ 2. Sustainable Growth for India
 - ✗ 3. Viksit Bharat for All
 - ✗ 4. Empowering States for Development

Q.19 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.20 Which of the following countries does Amelia Kerr, the ICC Women's T20I Cricketer of the Year 2024, represent?

- Ans
- ☐ 1. Australia
 - ☒ 2. New Zealand
 - ☐ 3. England
 - ☐ 4. South Africa

Q.21 Which Article of the Constitution deals with the reservation of seats for Scheduled Castes and Scheduled Tribes in the Lok Sabha?

- Ans
- ☐ 1. Article 331
 - ☒ 2. Article 330
 - ☐ 3. Article 332
 - ☐ 4. Article 334

Q.22 What happens when a user renames a file in MS Windows?

- Ans
- ☐ 1. The file is moved to a different location.
 - ☒ 2. The file's name changes, but its content remains the same.
 - ☐ 3. The file is deleted and a new file is created.
 - ☐ 4. The file is converted into a different format.

Q.23 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. 6.5%
 - ☒ 2. 6.2%
 - ☐ 3. 5.6%
 - ☐ 4. 4.8%

Q.24 Which exercise in 2025 involved India and the United States focusing on amphibious warfare and HADR?

- Ans
- ☒ 1. Exercise Tiger Triumph
 - ☐ 2. Exercise Yudh Abhyas
 - ☐ 3. Exercise Malabar
 - ☐ 4. Exercise Vajra Prahar

Q.25 Which of the following minerals is known as 'Brown Gold' in India?

- Ans
- ☒ 1. Lignite
 - ☐ 2. Mica
 - ☐ 3. Bauxite
 - ☐ 4. Copper

Q.26 Which district in Nagaland was officially declared as the state's 17th district in November 2024?

- Ans
- ☐ 1. Noklak
 - ☐ 2. Shamator
 - ☐ 3. Tseminyu
 - ☒ 4. Meluri

Q.27 Which major Indian company was privatised in the 2000s under the Government of India's disinvestment policy?

- Ans**
- ☐ 1. LIC
 - ☐ 2. BSNL
 - ☒ 3. Maruti Udyog Limited
 - ☐ 4. ISRO

Q.28 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.29 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 Trinetra
 - ☐ 2. Operation Raksha
 - ☒ 3. Operation Abhyaas
 - ☐ 4. Operation Suraksha

Q.30 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 Audit and Accounts Service
 - ☐ 4. Indian Postal Service

Q.31 During the Mughal period, the Ain-i-Dahsala system was introduced by ____.

- Ans**
- ☒ 1. Akbar
 - ☐ 2. Aurangzeb
 - ☐ 3. Babur
 - ☐ 4. Shah Jahan

Q.32 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

Q.33 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. Kalidasa Kalakendram
 - ☐ 2. Indian Council for Cultural Relations
 - ☐ 3. Sangeet Natak Akademi
 - ☒ 4. National School of Drama

Q.34 Which of the following is the primary objective of the Shyama Prasad Mukherji Rurban Mission (SPMRM)?

- Ans**
- ☐ 1. Skill development for rural youth
 - ☒ 2. Development of rural clusters with urban-like facilities
 - ☐ 3. Ensuring 100 days of wage employment in rural areas
 - ☐ 4. Electrification of rural households

Q.35 Special provisions for certain states are covered under which Part of the Indian Constitution?

- Ans**
- ☐ 1. Part XX
 - ☐ 2. Part XXII
 - ☒ 3. Part XXI
 - ☐ 4. Part XIX

Q.36 Who among the following formed a Satyagraha Sabha on 24 February 1919 in Bombay to protest against the Rowlatt Bills?

- Ans**
- ☐ 1. Sardar Vallabhbhai Patel
 - ☐ 2. Motilal Nehru
 - ☒ 3. Mahatma Gandhi
 - ☐ 4. Maulana Abul Kalam Azad

Q.37 In March 2025, which company unveiled Vayu, an overall AI cloud offering for enterprises?

- Ans**
- ☐ 1. Bajaj Communication
 - ☐ 2. Airtel Communication
 - ☒ 3. Tata Communication
 - ☐ 4. Reliance Communication

Q.38 Special Economic Zones (SEZs) were established to promote export-oriented industrialisation. What is a primary incentive offered to firms operating in SEZs?

- Ans**
- ☒ 1. Tax holidays and infrastructure support
 - ☐ 2. Ban on foreign investments
 - ☐ 3. Higher import duties
 - ☐ 4. Strict labour laws

Q.39 In which of the following geographical areas of India is Kumaoni spoken by a significant portion of the population?

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

Q.40 The Tehri Dam, which serves multiple purposes including power generation, is built on which river?

- Ans**
- ☐ 1. Ganga
 - ☐ 2. Yamuna
 - ☒ 3. Bhagirathi
 - ☐ 4. Sutlej

Q.1 Which of the following ratio is greatest?

- Ans**
- ☐ 1. 34 : 77
 - ☒ 2. 46 : 75
 - ☐ 3. 39 : 89
 - ☐ 4. 36 : 69

Q.2 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. 14
 - ☐ 2. 19
 - ☒ 3. 11
 - ☐ 4. 20

Q.3 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. ₹4,900
 - ☐ 2. ₹5,150
 - ☐ 3. ₹4,950
 - ☒ 4. ₹5,000

Q.4 Find the volume of the cylinder whose height and radius are 7 cm and



- Ans**
- ☐ 1. 195.68 cm³
 - ☒ 2. 197.82 cm³
 - ☐ 3. 193.58 cm³
 - ☐ 4. 190.01 cm³

Q.5 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. 249
 - ☐ 2. 332
 - ☐ 3. 230
 - ☐ 4. 166

Q.6 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. 15°
 - ☒ 2. 60°
 - ☐ 3. 45°
 - ☐ 4. 30°

Q.7 The sum of the squares of two consecutive even natural numbers is 1684. The sum of the numbers is:

- Ans**
- ☐ 1. 66
 - ☒ 2. 58
 - ☐ 3. 42
 - ☐ 4. 48

Q.8 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. ₹4,200
 - ☐ 2. ₹5,200
 - ☒ 3. ₹5,000
 - ☐ 4. ₹4,500

Q.9 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. ₹45
 - ☐ 2. ₹46
 - ☐ 3. ₹44
 - ☐ 4. ₹43

Q.10 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. $\frac{100}{4}\%$ loss
 - ☐ 2. $\frac{100}{4}\%$ gain
 - ☐ 3. 20% loss
 - ☒ 4. 20% gain

Q.11 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. 62
 - ☐ 2. 71
 - ☒ 3. 63
 - ☐ 4. 67

Q.12 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. ₹91,000
 - ☐ 2. ₹91,800
 - ☒ 3. ₹91,200
 - ☐ 4. ₹91,400

Q.13 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.14 By selling 6 articles for a rupee, a man loses 30%. To gain 40% how many must he sell for a rupee?

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

Q.15 The value of $\sqrt{144} + \sqrt{0.0225} - \sqrt{6.25} =$

- Ans
- ☐ 1. 3.27
 - ☐ 2. 6.94
 - ☐ 3. 7.22
 - ☒ 4. 9.65

Q.16 Find the value of $48^{-17} \div 48^{12} \times 48^{-13}$.

- Ans
- ☐ 1. 48^{-35}
 - ☐ 2. 48^{-37}
 - ☒ 3. 48^{-42}
 - ☐ 4. 48^{-34}

Q.17 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. 27.22
 - ☐ 2. 30.01
 - ☐ 3. 18.68
 - ☒ 4. 27.91

Q.18 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. ₹606
 - ☐ 2. ₹605
 - ☐ 3. ₹602
 - ☒ 4. ₹603

Q.19 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. 261 km/hr
 - ☒ 2. 255 km/hr
 - ☐ 3. 247 km/hr
 - ☐ 4. 264 km/hr

Q.20 The number of prime numbers lying between 476 and 491, both included, is:

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

Q.21 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. $8\frac{4}{5}$ days

✗ 2. $11\frac{4}{5}$ days

✗ 3. $13\frac{4}{5}$ days

✗ 4. $17\frac{4}{5}$ days

Q.22 A number, when increased by 70%, gives 3230. The number is:

Ans

✗ 1. 3800

✓ 2. 1900

✗ 3. 950

✗ 4. 5700

Q.23 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. 77°

✓ 2. 88°

✗ 3. 99°

✗ 4. 100°

Q.24 The number 587407 is divisible by which of the following?

Ans

✗ 1. 43

✗ 2. 34

✗ 3. 47

✓ 4. 41

Q.25 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. 9,374

✗ 2. 9,369

✗ 3. 9,373

✓ 4. 9,372

Q.26 The number of prime numbers lying between 468 and 476, both included, is:

Ans

✗ 1. 5

✗ 2. 2

✗ 3. 1

✓ 4. 0

Q.27 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. 536
 - ☐ 2. 521
 - ☒ 3. 528
 - ☐ 4. 530

Q.28 Pipe P can fill $\frac{7}{9}$ part of a tank in 14 hours and pipe Q can fill $\frac{5}{9}$ part. Both P and Q were kept open for 2 hours, then both were closed. Pipe R emptied the water in the tank in 6 hours. Pipes P, Q and R together

- Ans
- ☐ 1. 3 hours
 - ☒ 2. 18 hours
 - ☐ 3. 12 hours
 - ☐ 4. 19 hours

Q.29 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. ₹1,08,000
 - ☐ 2. ₹88,000
 - ☐ 3. ₹1,35,000
 - ☐ 4. ₹1,12,320

Q.30 The average of first 161 even numbers is

- Ans
- ☐ 1. 161.5
 - ☐ 2. 163
 - ☒ 3. 162
 - ☐ 4. 162.5

Section : General Intelligence and Reasoning

Q.1 What should come in place of the question mark (?) in the given series?

6 6 7 11 20 ?

- Ans
- ☐ 1. 38
 - ☐ 2. 35
 - ☐ 3. 37
 - ☒ 4. 36

Q.2 What should come in place of the question mark (?) in the given series?

18 23 17 24 16 ?

- Ans
- ☐ 1. 28
 - ☐ 2. 20
 - ☐ 3. 34
 - ☒ 4. 25

Q.3 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. One
 - ☐ 2. None
 - ☐ 3. Two
 - ☒ 4. Three

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?

$$7 \div 4 + 20 - 72 \times 6 = ?$$

- Ans**
- ☐ 1. 13
 - ☐ 2. 26
 - ☒ 3. 20
 - ☐ 4. 33

Q.5 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. 87
 - ☐ 2. 89
 - ☒ 3. 88
 - ☐ 4. 85

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

- Q.7** 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 (I) follows.
☒ 2. Neither conclusion (I) nor (II) follows.
☐ 3. Both conclusions (I) and (II) follow.
☐ 4. Only conclusion (II) follows.

- Q.8** 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. K49L
☐ 2. K50L
☐ 3. J49I
☒ 4. J50I

- Q.9** 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. H
☐ 2. L
☐ 3. G
☐ 4. M

- Q.10** 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. 30, 84
☐ 2. 22, 58
☐ 3. 28, 74
☐ 4. 20, 56

Q.11 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. Q
 - ☐ 2. N
 - ☐ 3. L
 - ☒ 4. R

Q.12 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. 3
 - ☐ 2. 4
 - ☒ 3. 2
 - ☐ 4. 1

Q.13 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. JM 11
 - ☒ 2. TW 14
 - ☐ 3. TW 15
 - ☐ 4. UW 14

Q.14 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. LOR
 - ☐ 2. LRO
 - ☐ 3. RLO
 - ☐ 4. ROL

Q.15 What should come in place of the question mark (?) in the given series?

561 562 564 ? 571 576

- Ans**
- ☐ 1. 569
 - ☐ 2. 566
 - ☐ 3. 568
 - ☒ 4. 567

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. JM-OH
 - ☒ 2. CF-HB
 - ☐ 3. NQ-SL
 - ☐ 4. FI-KD

Q.17 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. 4 km to west
 - ☐ 2. 3 km to west
 - ☒ 3. 1 km to west
 - ☐ 4. 2 km to west

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's brother
 - ☐ 2. Mother's father
 - ☐ 3. Brother
 - ☐ 4. Father

Q.19 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. 11
 - ☒ 2. 8
 - ☐ 3. 10
 - ☐ 4. 9

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. 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. Two
 - ☐ 2. One
 - ☐ 3. Three
 - ☐ 4. Four

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. PWZ
 - ☐ 2. BIL
 - ☒ 3. YEI
 - ☐ 4. OVV

Q.22 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. One
☐ 2. Four
☐ 3. Three
☐ 4. Two

Q.23 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. SLU : VGX
☐ 2. FCV : KZQ
☐ 3. TLW : XQA
☒ 4. CAL : GVP

Q.24 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. 4 km towards north
☐ 2. 5 km towards east
☐ 3. 5 km towards south
☐ 4. 9 km towards west

Q.25 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. 6
☒ 2. 4
☐ 3. 1
☐ 4. 7

Q.26 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. QVNT
☐ 2. QTYU
☐ 3. QVTN
☐ 4. QTNV

Q.27 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. Four
☐ 2. One
☒ 3. Two
☐ 4. Three

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. MHN
 - ☒ 2. PKQ
 - ☒ 3. IDJ
 - ☒ 4. SNU

Q.29 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. 2
 - ☒ 2. 12
 - ☒ 3. 7
 - ☒ 4. 10

Q.30 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. 4
 - ☒ 2. 7
 - ☒ 3. 3
 - ☒ 4. 2



सत्यमेव जयते

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 Center Name	iON Digital Zone iDZ Laxman Nagar
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 How many public sector banks are operating in India, as on 1 May 2025?

- Ans ☒ 1. 12
☐ 2. 14
☐ 3. 8
☐ 4. 10

Q.2 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. Russia
☐ 2. Sri Lanka
☐ 3. France
☒ 4. Indonesia

Q.3 The concept of 'watershed' is primarily associated with:

- Ans ☒ 1. River catchment area
☐ 2. Climate zones
☐ 3. Mountain formation
☐ 4. Rainfall distribution

Q.4 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. 2025
☐ 2. 2016
☐ 3. 2021
☐ 4. 2019

Q.5 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. Karnataka
☐ 2. Telangana
☐ 3. Maharashtra
☐ 4. Gujarat

Q.6 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 239AA
 - ✗ 2. Article 243D
 - ✗ 3. Article 332A
 - ✗ 4. Article 330A

Q.7 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. Surendranath Bannerjee
 - ✗ 2. W C Bannerjee
 - ✗ 3. Ananda Mohan Bose
 - ✓ 4. A O Hume

Q.8 Which of the following is an impact of river meandering in plains?

- Ans**
- ✗ 1. Formation of rift valleys
 - ✗ 2. Formation of rapids
 - ✓ 3. Formation of oxbow lakes
 - ✗ 4. Formation of waterfalls

Q.9 The President of India is also the Supreme Commander of which force in India?

- Ans**
- ✓ 1. Armed Forces
 - ✗ 2. Border Security Force
 - ✗ 3. Police Forces
 - ✗ 4. Intelligence Agencies

Q.10 The Tenth Schedule of the Indian Constitution is related to the:

- Ans**
- ✗ 1. protection of land reform laws
 - ✗ 2. distribution of seats in the Lok Sabha
 - ✓ 3. disqualification on grounds of defection
 - ✗ 4. recognition of languages

Q.11 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. Anthony Sinisuka Ginting
 - ✗ 3. Kento Momota
 - ✓ 4. Alex Lanier

Q.12 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. Andhra Pradesh
 - ✗ 2. Tamil Nadu
 - ✓ 3. Telangana
 - ✗ 4. Karnataka

Q.13 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.14 What was the life expectancy in India in 1947?

- Ans**
- ☐ 1. 45 years
 - ☒ 2. 31 years
 - ☐ 3. 38 years
 - ☐ 4. 52 years

Q.15 Which department of the Delhi Sultanate was responsible for military organisation and administration of the empire's army?

- Ans**
- ☒ 1. Diwan-i-Arz
 - ☐ 2. Diwan-i-Risalat
 - ☐ 3. Diwan-i-Insha
 - ☐ 4. Diwan-i-Riyasat

Q.16 Which biomolecules are responsible for catalysing biochemical reactions?

- Ans**
- ☐ 1. Polysaccharides
 - ☒ 2. Enzymes
 - ☐ 3. Nucleotides
 - ☐ 4. Phospholipids

Q.17 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. ISRO Commercial Payload Initiative (ICPI)
 - ☐ 3. National Space-Based Internet Mission (NSBIM)
 - ☒ 4. Satellite Bus as a Service (SBaaS)

Q.18 Gyaneshwar (1275 A.D.) holds a unique position in Marathi literature, primarily because he was:

- Ans**
- ☐ 1. a compiler of ancient texts
 - ☒ 2. the first and foremost Bhakti poet
 - ☐ 3. a renowned court historian
 - ☐ 4. a celebrated playwright

Q.19 Which of the following power projects is based on nuclear energy?

- Ans**
- ☒ 1. Kalpakkam
 - ☐ 2. Bhakra Nangal
 - ☐ 3. Tehri
 - ☐ 4. Koyna

Q.20 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. 5 years
 - ☒ 3. 3 years
 - ☐ 4. 1 year

Q.21 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. 9th
 - ☒ 2. 10th
 - ☐ 3. 8th
 - ☐ 4. 11th

Q.22 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.23 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. Sarvam AI
 - ☐ 3. HealthifyMe
 - ☐ 4. Qure.ai

Q.24 Which Article of the Constitution provides special provisions for the State of Nagaland?

- Ans**
- ☒ 1. Article 371A
 - ☐ 2. Article 371B
 - ☐ 3. Article 371D
 - ☐ 4. Article 370

Q.25 What does the Alt + Tab keyboard shortcut do in Windows?

- Ans**
- ☐ 1. Opens the Start menu
 - ☒ 2. Switches between open applications
 - ☐ 3. Locks the computer screen
 - ☐ 4. Closes the current window

Q.26 Which of the following deserts is visible in the southern part of the world map?

- Ans**
- ☒ 1. Kalahari Desert
 - ☐ 2. Sonoran Desert
 - ☐ 3. Gobi Desert
 - ☐ 4. Thar Desert

Q.27 Who among the following was conferred with a Padma Bhushan Award 2025 in the field of (Posthumous) Affairs in April 2025?

- Ans**
- ☐ 1. Shri MT Vasudevan Nair
 - ☐ 2. Shri Nandamuri Balakrishna
 - ☒ 3. Shri Sushil Kumar Modi
 - ☐ 4. Dr. Duvvur Nageshwar Reddy

Q.28 On 22 May 2025, Israeli forces reportedly fired warning shots near a delegation of diplomats visiting which area, leading to international condemnation?

- Ans**
- ☐ 1. Sinai Peninsula
 - ☐ 2. Golan Heights
 - ☐ 3. Gaza Strip
 - ☒ 4. West Bank

Q.29 What major change was made by the 86th Constitutional Amendment Act, 2002?

- Ans**
- ☐ 1. Abolished the Legislative Council
 - ☐ 2. Increased the President's term
 - ☐ 3. Bifurcated the SC/ST Commission
 - ☒ 4. Declared education as a Fundamental Right

Q.30 Tourism is classified as a tertiary activity because it involves:

- Ans**
- ☐ 1. production of goods
 - ☐ 2. selling of machinery
 - ☒ 3. providing services to people
 - ☐ 4. extracting natural resources

Q.31 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. Chalcolithic age
 - ☐ 2. Neolithic age
 - ☐ 3. Paleolithic age
 - ☒ 4. Mesolithic age

Q.32 The Karakattam (Karagattam) dance, known for its unique balancing of pitchers, is primarily prevalent in which of the following states of India?

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

Q.33 Which of the following is an efficient way to organise files on a computer?

- Ans**
- ☐ 1. Store all files in the Recycle Bin
 - ☒ 2. Create different folders based on categories of files
 - ☐ 3. Rename all files with random characters
 - ☐ 4. Keep all files in the same folder

Q.34 When was Maha Shivaratri celebrated in 2025?

- Ans**
- ☐ 1. 7 June
 - ☒ 2. 26 February
 - ☐ 3. 12 May
 - ☐ 4. 14 March

Q.35 Which of the following is a dimensionless quantity?

- Ans**
- ☐ 1. Velocity
 - ☐ 2. Acceleration
 - ☒ 3. Refractive index
 - ☐ 4. Gravitational force

Q.36 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. Sri Aurobindo
 - ☐ 2. Swami Vivekananda
 - ☐ 3. Mahatma Gandhi
 - ☐ 4. Rabindranath Tagore

Q.37 Which of the following is NOT an instrument of parliamentary control over the executive in India?

- Ans**
- ☐ 1. No-confidence motion against the Council of Ministers
 - ☐ 2. Question Hour in the Lok Sabha
 - ☒ 3. Judicial review of executive actions
 - ☐ 4. Approval of government bills (laws) by the Parliament

Q.38 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. 130
 - ☐ 2. 119
 - ☐ 3. 100
 - ☐ 4. 144

Q.39 Which of the following statements about friction is correct?

- Ans**
- ☒ 1. Static friction opposes impending motion and kinetic friction opposes actual motion.
 - ☐ 2. Kinetic friction is always greater than static friction.
 - ☐ 3. Static friction opposes actual motion, while kinetic friction opposes impending motion.
 - ☐ 4. Both static and kinetic friction depend on the area of contact.

Q.40 What are endemic species?

- Ans**
- ☐ 1. Species that have migrated recently
 - ☐ 2. Species found in every forest
 - ☒ 3. Species found only in a particular area and nowhere else
 - ☐ 4. Exotic animals brought from other countries

Section : Mathematics

Q.1 The number of prime numbers lying between 411 and 424, both included, is:

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

Q.2 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. 5,800
☐ 2. 5,801
☐ 3. 5,797
☐ 4. 5,799

Q.3 ₹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. ₹2,479
☒ 2. ₹2,480
☐ 3. ₹2,542
☐ 4. ₹2,580

Q.4 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. 57 km/hr
☐ 2. 51 km/hr
☐ 3. 56 km/hr
☒ 4. 52 km/hr

Q.5 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. 5082 cu.cm
☐ 2. 1936 cu. cm
☐ 3. 7623 cu. cm
☒ 4. 3080 cu.cm

Q.6 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.7 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. 16
☐ 2. 19
☐ 3. 18
☐ 4. 21

Q.8 The average of first 171 even numbers is

- Ans** ☐ 1. 173
☐ 2. 172.5
☒ 3. 172
☐ 4. 171.5

Q.9 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. 5
 - ☐ 3. 4
 - ☒ 4. 3

Q.10 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. 50.2
 - ☐ 3. 52.2
 - ☒ 4. 51.2

Q.11 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. $2\frac{16}{27}$ days
 - ☐ 2. $12\frac{16}{27}$ days
 - ☐ 3. $10\frac{16}{27}$ days
 - ☐ 4. $8\frac{16}{27}$ days

Q.12 The total surface area of a cube having side 74 cm is:

- Ans**
- ☐ 1. 32857 cm^2
 - ☐ 2. 32846 cm^2
 - ☒ 3. 32856 cm^2
 - ☐ 4. 32896 cm^2

Q.13 Evaluate: $(-9) - (-60) \div (-12) + (-2) \times 8$

- Ans**
- ☐ 1. -29
 - ☐ 2. -32
 - ☒ 3. -30
 - ☐ 4. -33

Q.14 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. ₹1,55,000
 - ☐ 2. ₹1,30,000
 - ☒ 3. ₹1,25,000
 - ☐ 4. ₹1,05,000

Q.15 If a regular polygon has 15 sides, then what is the measure (in degrees) of each interior angle?

- Ans**
- ☐ 1. 160°
 - ☒ 2. 156°
 - ☐ 3. 136°
 - ☐ 4. 128°

Q.16 Which of the following numbers divide 342165?

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

Q.17 A person purchased a gift article for ₹1,800 after getting 20% discount. Find the marked price of the gift article.

- Ans**
- ☒ 1. ₹2,250
 - ☐ 2. ₹2,500
 - ☐ 3. ₹2,800
 - ☐ 4. ₹2,150

Q.18 Which of the following numbers divides 78,89,73,289?

- Ans**
- ☐ 1. 7
 - ☐ 2. 12
 - ☐ 3. 18
 - ☒ 4. 13

Q.19 The LCM of the numbers 3.8 and 0.052 is:

- Ans**
- ☐ 1. 494
 - ☒ 2. 49.4
 - ☐ 3. 4.94
 - ☐ 4. 0.494

Q.20 A number, when increased by 60%, gives 3580. The number is:

- Ans**
- ☒ 1. 2237.5
 - ☐ 2. 4475
 - ☐ 3. 6712.5
 - ☐ 4. 1118.75

Q.21 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. 16
 - ☐ 3. 21
 - ☐ 4. 11

Q.22 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. ₹788
 - ☐ 3. ₹786
 - ☐ 4. ₹791

Q.23 Find the mean proportional of 98 and 18.

- Ans
- ☐ 1. 44
 - ☒ 2. 42
 - ☐ 3. 39
 - ☐ 4. 45

Q.24 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. 11,547
 - ☐ 2. 11,406
 - ☐ 3. 11,598
 - ☒ 4. 11,628

Q.25 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.26 The sum of the squares of two consecutive even natural numbers is 1924. The sum of the numbers is:

- Ans
- ☒ 1. 62
 - ☐ 2. 54
 - ☐ 3. 68
 - ☐ 4. 60

Q.27 Simplify the following.

$$9 \times (19 \times (4^2)) \div 14 + 13 - 86$$

- Ans
- ☐ 1. $\frac{853}{7}$
 - ☒ 2. $\frac{857}{7}$
 - ☐ 3. $\frac{856}{7}$
 - ☐ 4. $\frac{852}{7}$

Q.28 If $\sin\theta + \operatorname{cosec}\theta = 2$, then the value of $\sin^{120}\theta + \operatorname{cosec}^{120}\theta$ is:

- Ans
- ☐ 1. 1
 - ☐ 2. 0
 - ☐ 3. $\frac{1}{2}$
 - ☒ 4. 2

Q.29 Anjani can do a certain piece of work in 30 days. Anjani and Khushbu
Khushbu and Sushmita can do the same work together in 15 days. In

Ans

✗ 1. $\frac{85}{4}$

✗ 2. $\frac{81}{3}$

✗ 3. $\frac{73}{5}$

✓ 4. $\frac{80}{3}$

Q.30 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. 19 years

✗ 2. 11 years

✗ 3. 7 years

✓ 4. 10 years

Section : General Intelligence and Reasoning

Q.1 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.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:

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. Only conclusion (II) follows.

✗ 3. Neither conclusion (I) nor (II) follows.

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

Q.3 What should come in place of the question mark (?) in the given series?

3 11 20 30 41 ?

Ans

✗ 1. 49

✗ 2. 67

✗ 3. 58

✓ 4. 53

Q.4 CHRX is related to FKXD in a certain way based on the English alphabetical order. In the same way, OTPV is related to RWVB. To which of the given options is XCHN related, following the same logic?

- Ans**
- ☒ 1. AFNT
 - ☐ 2. AFTN
 - ☐ 3. AFNU
 - ☐ 4. ATFN

Q.5 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. Three
 - ☐ 2. Two
 - ☐ 3. Four
 - ☐ 4. One

Q.6 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 - PV
 - ☒ 2. TJ - LE
 - ☐ 3. BX - US
 - ☐ 4. FO - YJ

Q.7 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. Zero
 - ☐ 2. One
 - ☐ 3. Two
 - ☐ 4. Three

Q.8 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. 4th
 - ☐ 2. 1st
 - ☐ 3. 2nd
 - ☒ 4. 3rd

Q.9 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. Two
 - ☐ 2. None
 - ☐ 3. Four
 - ☐ 4. One

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. MD-HN
 - ☒ 2. OF-JQ
 - ☐ 3. SJ-NT
 - ☐ 4. KB-FL

Q.11 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. W
 - ☒ 2. J
 - ☐ 3. I
 - ☐ 4. L

Q.12 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. 12
 - ☐ 2. 10
 - ☐ 3. 8
 - ☒ 4. 15

Q.13 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 brother
 - ☐ 2. Wife's father
 - ☐ 3. Brother
 - ☐ 4. Father

- 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: 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. Both conclusions (I) and (II) follow.
☒ 3. Neither conclusion (I) nor (II) follows.
☒ 4. Only conclusion (I) follows.
- Q.15** 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. JS 4
☒ 2. JR 2
☒ 3. IR 2
☒ 4. IS 4
- Q.16** 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. XLD
☒ 2. XSD
☒ 3. XDL
☒ 4. XDS
- Q.17** 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. Three
☒ 2. Two
☒ 3. Zero
☒ 4. One
- 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. 4 km towards north
☒ 2. 2 km towards south
☒ 3. 4 km towards south
☒ 4. 2 km towards north

Q.19 112 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. 83
 - ☐ 2. 81
 - ☐ 3. 85
 - ☒ 4. 82

Q.20 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. ILKJ
 - ☐ 2. IKJI
 - ☐ 3. ILKO
 - ☐ 4. IKLJ

Q.21 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. 10 km to the East
 - ☒ 2. 10 km to the South
 - ☐ 3. 11 km to the South
 - ☐ 4. 11 km to the West

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. QUP
 - ☒ 2. TXR
 - ☐ 3. JNI
 - ☐ 4. NRM

Q.23 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. 14
 - ☒ 2. 10
 - ☐ 3. 18
 - ☐ 4. 12

Q.24 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. 125, 70
 - ☐ 2. 115, 60
 - ☐ 3. 106, 51
 - ☒ 4. 175, 110

Q.25 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. Three
 - ☐ 3. One
 - ☐ 4. None

Q.26 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. 24
 - ☒ 2. 25
 - ☐ 3. 29
 - ☐ 4. 26

Q.27 What should come in place of the question mark (?) in the given series?

5 4 2 -2 -10 ?

- Ans**
- ☐ 1. -24
 - ☒ 2. -26
 - ☐ 3. -27
 - ☐ 4. -25

Q.28 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. mt
 - ☐ 3. jo
 - ☐ 4. lo

Q.29 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. 1
 - ☐ 2. 5
 - ☐ 3. 7
 - ☒ 4. 3

Q.30 What should come in place of the question mark (?) in the given series?

31 20 7 -8 -25 ?

Ans  1. -44

 2. -45

 3. -43

 4. -42



सत्यमेव जयते

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 Center Name	iON Digital Zone iDZ Machenahalli
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 Which platform provides online learning for civil servants under Mission Karmayogi in India?

- Ans
- ☒ 1. ePathshala
 - ☒ 2. NISG Portal
 - ☒ 3. SWAYAM
 - ☒ 4. iGOT Karmayogi

Q.2 When was the Monetary Policy Framework Agreement (MPFA) signed between the Government of India and the Reserve Bank?

- Ans
- ☒ 1. 20 February 2015
 - ☒ 2. 8 December 2007
 - ☒ 3. 20 April 2018
 - ☒ 4. 14 August 2010

Q.3 The Stockholm Convention on Persistent Organic Pollutants was adopted at a Conference of Plenipotentiaries in which year?

- Ans
- ☒ 1. 2002
 - ☒ 2. 2001
 - ☒ 3. 2003
 - ☒ 4. 2000

Q.4 What declaration was made at the 2025 Global Media Dialogue on media ethics and AI?

- Ans
- ☒ 1. NEUTRALITY Charter
 - ☒ 2. WAVES Declaration
 - ☒ 3. AI-TRUST Code
 - ☒ 4. TRUTH Pact

Q.5 On 23 April 2025, the Indian Government announced the suspension of which treaty/agreement with Pakistan citing national security concerns?

- Ans**
- ☐ 1. Tashkent Declaration
 - ☐ 2. Non-Nuclear Aggression Agreement
 - ☒ 3. Indus Waters Treaty
 - ☐ 4. Simla Agreement

Q.6 What key emotion did the Extremists aim to arouse in people against British colonial rule?

- Ans**
- ☐ 1. Loyalty
 - ☐ 2. Fear
 - ☐ 3. Sympathy
 - ☒ 4. Indignation

Q.7 Which of the following Buddhist texts is often called the 'Gita of Buddhism' for its importance and teachings?

- Ans**
- ☐ 1. Vamsathapakasini
 - ☐ 2. Mahayana Sutra
 - ☐ 3. Saddharmapundarika Sūtra
 - ☒ 4. Dhammapada

Q.8 In 2025, who became the youngest Indian to summit Mt. Everest and to complete the Seven Summits challenge?

- Ans**
- ☐ 1. Krushnaa Patil
 - ☐ 2. Malavath Purna
 - ☐ 3. Arjun Vajpai
 - ☒ 4. Vishwanath Padakanti

Q.9 In 1995, physicists Eric Cornell and Carl Wieman created the first Bose-Einstein condensate (BEC) using which isotope?

- Ans**
- ☐ 1. Caesium-133
 - ☐ 2. Sodium-23
 - ☒ 3. Rubidium-87
 - ☐ 4. Thorium-232

Q.10 In 2025, which region in India witnessed Kuki groups demanding the maintenance of buffer zones to manage ethnic tensions?

- Ans**
- ☒ 1. Manipur
 - ☐ 2. Nagaland
 - ☐ 3. Assam
 - ☐ 4. Mizoram

Q.11 In most software applications, what does Ctrl + S do if pressed multiple times?

- Ans**
- ☐ 1. Saves a new copy each time
 - ☐ 2. Deletes the previous version
 - ☐ 3. Reverts the document
 - ☒ 4. Updates the saved file without creating a new one

Q.12 In which Indian city was the First International Research Conference on Pension (IRCP) inaugurated in April 2025?

- Ans**
- ☐ 1. Kerala
 - ☐ 2. Uttar Pradesh
 - ☒ 3. New Delhi
 - ☐ 4. Mumbai

Q.13 When was the National Rural Health Mission (NRHM) launched by the Government of India?

- Ans**
- ☐ 1. 12 April 2004
 - ☒ 2. 12 April 2005
 - ☐ 3. 26 January 2006
 - ☐ 4. 8 March 2004

Q.14 The Vardhan dynasty, was also known by which of the following names?

- Ans**
- ☐ 1. Gupta dynasty
 - ☐ 2. Nanda dynasty
 - ☒ 3. Pushyabhuti dynasty
 - ☐ 4. Maurya dynasty

Q.15 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. Stethoscope
 - ☐ 3. Colonoscope
 - ☐ 4. Endoscope

Q.16 India has been a World Trade Organization (WTO) member since ____.

- Ans**
- ☐ 1. 2005
 - ☐ 2. 1990
 - ☒ 3. 1995
 - ☐ 4. 2000

Q.17 Which of the following states introduced India's first AI Powered Real Time Forest alert system in May 2025?

- Ans**
- ☒ 1. Madhya Pradesh
 - ☐ 2. Tamil Nadu
 - ☐ 3. Karnataka
 - ☐ 4. Jharkhand

Q.18 Which Article of the Constitution states, 'no person shall be deprived of his property save by authority of law'?

- Ans**
- ☒ 1. Article 300A
 - ☐ 2. Article 111
 - ☐ 3. Article 368
 - ☐ 4. Article 2

Q.19 How can you access menus in the menu bar in Windows?

- Ans**
- ☒ 1. Press Alt and the letter underlined in the menu title to access a menu.
 - ☐ 2. Press F5 to open the menu bar.
 - ☐ 3. Press Ctrl + M to open the menu.
 - ☐ 4. Right-click on the title bar to open the menu bar.

Q.20 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. Assam and West Bengal
 - ☐ 2. Chhattisgarh and Uttar Pradesh
 - ☒ 3. Gujarat and Telangana
 - ☐ 4. Meghalaya and Nagaland

Q.21 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. 1923
 - ☒ 2. 1919
 - ☐ 3. 1931
 - ☐ 4. 1944

Q.22 The National eCourts Project, launched by the Department of Justice, is primarily aimed at:

- Ans**
- ☐ 1. building new court complexes in rural areas
 - ☐ 2. establishing a nationwide telecom system for police
 - ☒ 3. digitising and upgrading district and subordinate courts
 - ☐ 4. creating new Central Administrative Tribunals

Q.23 Who took charge as the Vice Chief of the Air Staff of the Indian Air Force on 2 May 2025?

- Ans**
- ☐ 1. Air Marshal Rakesh Kumar Singh Bhadauria
 - ☐ 2. Air Marshal Anil Chopra
 - ☐ 3. Air Marshal SP Dharkar
 - ☒ 4. Air Marshal Narmdeshwar Tiwari

Q.24 Which of the following Indian naval platforms took part in the Indo-Oman naval exercise Naseem-AI-Bahr held in October 2024?

- Ans**
- ☐ 1. INS Vikrant and MiG-29K fighter jets
 - ☐ 2. INS Shivalik and P-8I aircraft
 - ☒ 3. INS Trikand and Dornier Maritime Patrol Aircraft
 - ☐ 4. INS Kolkata and Sea Guardian drone

Q.25 JD Vance was sworn in as the _____ Vice President of the United States in 2025.

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

Q.26 Which drainage pattern resembles the branches of a tree and is common in rivers of the northern plains?

- Ans**
- ☐ 1. Trellis
 - ☐ 2. Radial
 - ☐ 3. Centripetal
 - ☒ 4. Dendritic

Q.27 In which of the following cities was the Army Commanders Conference held in April 2025?

- Ans**
- ☐ 1. Chandigarh
 - ☐ 2. Jodhpur
 - ☐ 3. Pune
 - ☒ 4. New Delhi

Q.28 The Dutch East India Company established its first factory in India in _____.

- Ans**
- ☒ 1. Petapuli
 - ☐ 2. Calicut
 - ☐ 3. Pondicherry
 - ☐ 4. Goa

Q.29 Which of the following projects is designed to provide irrigation to Rajasthan's desert areas?

- Ans**
- ☐ 1. Kosi Project
 - ☐ 2. Hirakud Project
 - ☒ 3. Indira Gandhi Canal
 - ☐ 4. Chambal Project

Q.30 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 Kanpur
 - ☒ 3. Indian Institute of Technology Madras
 - ☐ 4. Indian Institute of Technology Bombay

Q.31 Which of the following correctly describes a key function of Subordinate Courts in India?

- Ans**
- ☐ 1. Review decisions of High Courts
 - ☒ 2. Resolve civil and criminal disputes at the district level
 - ☐ 3. Interpret international treaties
 - ☐ 4. Draft laws for the State

Q.32 Which Chandela ruler is credited with the construction of the Kandariya Mahadev Temple situated in Khajuraho, Madhya Pradesh, India?

- Ans**
- ☒ 1. Vidyadhara
 - ☐ 2. Kirttivarman
 - ☐ 3. Yashovarman
 - ☐ 4. Dhanga

Q.33 Why is an alloy considered a mixture even though it cannot be separated by physical methods?

- Ans**
- ☒ 1. It shows the properties of its constituents and can have variable composition.
 - ☐ 2. Alloys are always magnetic because they contain metals with a fixed composition.
 - ☐ 3. It contains only one type of element in vapor form.
 - ☐ 4. It is formed only by non-metals.

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. BharatNet
 - ☐ 2. PM Gram Sadak Yojana
 - ☐ 3. Sagarmala
 - ☒ 4. Bharatmala Pariyojana

Q.35 Which Fundamental Right protects citizens from being forced into labour or human trafficking?

- Ans**
- ☒ 1. Right against Exploitation
 - ☐ 2. Right to Equality
 - ☐ 3. Right to Freedom
 - ☐ 4. Right to Constitutional Remedies

Q.36 What is the primary reason for overexploitation of groundwater in Punjab and Haryana?

- Ans**
- ☐ 1. Excessive use of water for domestic consumption
 - ☐ 2. Presence of sandy soils with poor water retention
 - ☐ 3. Government restrictions on surface water use
 - ☒ 4. Cultivation of water-intensive crops like paddy

Q.37 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. S-waves, P-waves, surface waves
 - ☐ 3. P-waves, surface waves, S-waves
 - ☒ 4. P-waves, S-waves, surface waves

Q.38 Which department, headed by Dabir-i-Khas, handled royal correspondence and official communication during the Delhi Sultanate?

- Ans**
- ☒ 1. Diwan-i-Insha
 - ☐ 2. Barid-i-Mumalik
 - ☐ 3. Diwan-i-Riyasat
 - ☐ 4. Diwan-i-Arz

Q.39 Which eminent violinist from Karnataka was awarded the Padma Vibhushan in 2025 for his outstanding contributions to Indian classical music?

- Ans**
- ☐ 1. Ricky Kej
 - ☐ 2. Gangubai Hangal
 - ☐ 3. Anant Nag
 - ☒ 4. Lakshminarayana Subramaniam

Q.40 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. Baltic Sea
 - ☐ 3. Black Sea
 - ☐ 4. North Atlantic Ocean

Q.1 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. 17%
 - ☒ 2. 16%
 - ☐ 3. 18%
 - ☐ 4. 19%

Q.2 What is the median of the following data?

57, 96, 60, 91, 69, 50, 72, 16, 78, 73, 55

- Ans**
- ☒ 1. 69
 - ☐ 2. 69.5
 - ☐ 3. 70
 - ☐ 4. 68.5

Q.3 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. 33.12
 - ☐ 2. 32.12
 - ☐ 3. 34.12
 - ☐ 4. 35.12

Q.4 The value of $\sqrt{196} + \sqrt{0.0324} - \sqrt{6.76} =$

- Ans**
- ☐ 1. 2.41
 - ☐ 2. 4.64
 - ☐ 3. 6.44
 - ☒ 4. 11.58

Q.5 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. $6\frac{309}{1079}$ hours
 - ☐ 2. $13\frac{309}{1079}$ hours
 - ☐ 3. $5\frac{309}{1079}$ hours
 - ☐ 4. $11\frac{309}{1079}$ hours

Q.6 Anjani can do a certain piece of work in 24 days. Anjani and Khushbu Khushbu and Sushmita can do the same work together in 8 days. In h

- Ans**
- ☐ 1. $\frac{54}{9}$
 - ☐ 2. $\frac{57}{7}$
 - ☐ 3. $\frac{61}{8}$
 - ☒ 4. $\frac{60}{7}$

Q.7 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. 21
 - ☐ 2. 17
 - ☐ 3. 16
 - ☒ 4. 20

Q.8 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. ₹488
 - ☒ 3. ₹486
 - ☐ 4. ₹483

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. 4,197
 - ☐ 2. 4,198
 - ☒ 3. 4,200
 - ☐ 4. 4,203

Q.10 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. 10250
 - ☐ 2. 10251
 - ☐ 3. 10252
 - ☐ 4. 10248

Q.11 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. 900
 - ☐ 2. 864
 - ☐ 3. 904
 - ☒ 4. 880

Q.12 A number, when increased by 100%, gives 2790. The number is:

- Ans**
- ☐ 1. 2790
 - ☒ 2. 1395
 - ☐ 3. 697.5
 - ☐ 4. 4185

Q.13 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. 1.81 km
 - ☐ 2. 1.82 km
 - ☐ 3. 2.46 km
 - ☒ 4. 2.24 km

Q.14 If the third proportional of 9 and 57 be x, then what is the value of x?

- Ans ☒ 1. 361
☐ 2. 363
☐ 3. 358
☐ 4. 364

Q.15 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. ₹5,25,000
☐ 3. ₹6,25,000
☐ 4. ₹6,00,000

Q.16 Which of the following numbers is divisible by 5?

- Ans ☒ 1. 70,48,030
☐ 2. 71,32,954
☐ 3. 65,67,359
☐ 4. 61,75,753

Q.17 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. 7%
☒ 2. 5%
☐ 3. 6%
☐ 4. 8%

Q.18 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. 66°
☐ 2. 74°
☒ 3. 67°
☐ 4. 82°

Q.19 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. 2
☒ 4. 0

Q.20 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.21 An item is marked at ₹8,000. Two successive discounts of 10% and 15% are allowed. Find the equivalent single discount rate.

- Ans**
- ☐ 1. 22.5%
 - ☐ 2. 24.5%
 - ☐ 3. 25.5%
 - ☒ 4. 23.5%

Q.22 Find the area of a triangle whose base is 28 cm and corresponding altitude is 15 cm.

- Ans**
- ☐ 1. 280 cm^2
 - ☒ 2. 210 cm^2
 - ☐ 3. 240 cm^2
 - ☐ 4. 260 cm^2

Q.23 The number 814242541 is divisible by which of the following?

- Ans**
- ☒ 1. 7
 - ☐ 2. 15
 - ☐ 3. 12
 - ☐ 4. 8

Q.24 Find the value of $5^{-23} \times 16^{-23} \times 21^{-23}$.

- Ans**
- ☐ 1. $\frac{1}{1634^{23}}$
 - ☐ 2. $\frac{1}{1726^{23}}$
 - ☒ 3. $\frac{1}{1680^{23}}$
 - ☐ 4. $\frac{1}{1725^{23}}$

Q.25 The sum of the squares of two consecutive even natural numbers is 2180. The sum of the numbers is:

- Ans**
- ☒ 1. 66
 - ☐ 2. 74
 - ☐ 3. 82
 - ☐ 4. 72

Q.26 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. 3.87
 - ☐ 3. 6.61
 - ☐ 4. 3.69

Q.27 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. 5.7
☒ 2. 5
☒ 3. 8.3
☒ 4. 2.7

Q.28 By selling an article at $\frac{4}{14}$ of its actual selling price, Akash incurs a loss. If he sells it at 54% of its actual selling price, then the profit percentage is:

- Ans** ☒ 1. 32.3%
☒ 2. 32.6%
☒ 3. 34.8%
☒ 4. 33.8%

Q.29 Find the least number of square tiles required to completely cover a floor of dimensions 12.15 m by 11.34 m.

- Ans** ☒ 1. 150
☒ 2. 230
☒ 3. 210
☒ 4. 250

Q.30 The value of $\frac{5}{4} + \left(\frac{1}{1 + \frac{4}{7}} \right) - \frac{3}{4}$ is

- Ans** ☒ 1. $\frac{29}{32}$
☒ 2. $\frac{25}{22}$
☒ 3. $\frac{35}{12}$
☒ 4. $\frac{28}{19}$

Section : General Intelligence and Reasoning

Q.1 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. 7
☒ 2. 8
☒ 3. 16
☒ 4. 10

Q.2 What should come in place of the question mark (?) in the given series?

35 50 70 95 125 ?

- Ans** ☒ 1. 175
☒ 2. 170
☒ 3. 165
☒ 4. 160

Q.3 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. 6
 ☐ 2. 2
 ☐ 3. 8
 ☐ 4. 4

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

Q.6 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. GO-IQ-LM
 ☐ 2. HO-JQ-LM
 ☒ 3. HO-JQ-LN
 ☐ 4. GO-JQ-LM

Q.7 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. 5
 ☐ 2. 6
 ☐ 3. 3
 ☒ 4. 7

Q.8 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. 4
 - ☐ 2. 5
 - ☒ 3. 2
 - ☐ 4. 6

Q.9 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. Arti
 - ☐ 2. Pooja
 - ☒ 3. Heera
 - ☐ 4. Rajesh

Q.10 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 north
 - ☐ 2. 6 km towards south
 - ☐ 3. 4 km towards east
 - ☒ 4. 5 km towards west

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

1500, 3005, 6015, 12035, 24075, ?

- Ans**
- ☐ 1. 48200
 - ☒ 2. 48155
 - ☐ 3. 48015
 - ☐ 4. 48105

Q.12 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. 37
 - ☐ 2. 34
 - ☒ 3. 38
 - ☐ 4. 35

Q.13 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. 4 km to the South
 - ☐ 2. 5 km to the West
 - ☐ 3. 6 km to the North
 - ☒ 4. 7 km to the South

Q.14 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. Two
☐ 2. Three
☐ 3. Four
☐ 4. One

Q.15 What should come in place of the question mark (?) in the given series?

76 , 87 , 101 , 118 , 138 , ?

- Ans** ☐ 1. 159
☒ 2. 161
☐ 3. 164
☐ 4. 162

Q.16 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. MRX
☐ 2. MUY
☐ 3. MXR
☐ 4. MYU

Q.17 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. RICE - ICRE - ECIR
☐ 4. SEAT - SAET - TAES

Q.18 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. H
☒ 2. Q
☐ 3. P
☐ 4. J

Q.19 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. Husband's sister
☐ 2. Husband's mother
☐ 3. Daughter's husband's sister
☐ 4. Daughter's husband's mother

Q.20 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. One
☐ 2. None
☐ 3. Three
☐ 4. Two

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

$$28 + 42 \times 2 - 4 \div 3 = ?$$

- Ans** ☐ 1. 37
☒ 2. 19
☐ 3. 31
☐ 4. 24

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. FL - PG
☒ 2. BH - LD
☐ 3. HN - RI
☐ 4. DJ - NE

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) @ 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. None
☐ 2. Four
☒ 3. One
☐ 4. Three

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. VO-QT
☒ 2. TM-OS
☒ 3. SL-NQ
☒ 4. XQ-SV

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. PTN
☒ 2. JNH
☒ 3. MQK
☒ 4. GKF

Q.27 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. (11, 63, 15)
☒ 2. (30, 75, 5)
☒ 3. (28, 106, 18)
☒ 4. (39, 134, 20)

Q.28 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. GATE - GTAE - ETAG
☒ 2. TRAY - TRYA - RAYT
☒ 3. BUSH - BHSU - HSUB
☒ 4. FIRE - IFRE - EIRF

Q.29 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. IEA
☒ 2. IDA
☒ 3. IEB
☒ 4. IDB

Q.30 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. 5
 - ☐ 2. 3
 - ☒ 3. 2
 - ☐ 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 Center Name	iON Digital Zone iDZ Kottayam
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following colonial-era buildings in Chennai serves as the headquarters of the Greater Chennai Corporation?

- Ans**
- ✓ 1. Ripon Building
 - ✗ 2. Fort St. George
 - ✗ 3. Government Museum
 - ✗ 4. High Court

Q.2 Which of the following is not a factor that affects ocean currents?

- Ans**
- ✗ 1. Temperature differences
 - ✗ 2. Earth's rotation
 - ✓ 3. Soil type
 - ✗ 4. Wind

Q.3 What name did Dobereiner give to his groups of three similar elements?

- Ans**
- ✗ 1. Triangles
 - ✓ 2. Triads
 - ✗ 3. Triplets
 - ✗ 4. Triodes

Q.4 The Western Ghats and the northeastern hills of India are primarily covered with which type of natural vegetation?

- Ans**
- ✓ 1. Tropical Evergreen Forests
 - ✗ 2. Montane Forests
 - ✗ 3. Tropical Thorn Forests
 - ✗ 4. Tropical Deciduous Forests

Q.5 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.6 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. Madhya Pradesh
 - ☐ 4. Rajasthan

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. 5.2 billion
 - ☒ 2. 3.0 billion
 - ☐ 3. 2.1 billion
 - ☐ 4. 4.3 billion

Q.8 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. Gagan Shakti
 - ☒ 2. Aakraman
 - ☐ 3. Meghdoot
 - ☐ 4. Vayu Shakti

Q.9 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 (Posthumous)
 - ☐ 3. Shaurya Chakra
 - ☒ 4. Kirti Chakra

Q.10 Which Indian para-athlete was honoured with the Major Dhyan Chand Khel Ratna Award in 2025 for his achievements in high jump?

- Ans**
- ☐ 1. Varun Singh Bhati
 - ☒ 2. Praveen Kumar
 - ☐ 3. Sharad Kumar
 - ☐ 4. Mariyappan Thangavelu

Q.11 Which of the following minerals is known for its insulating properties and is used in electrical industries?

- Ans**
- ☐ 1. Limestone
 - ☐ 2. Iron ore
 - ☐ 3. Bauxite
 - ☒ 4. Mica

Q.12 Who among the following launched the Nationwide Mass Drug Administration Campaign for Lymphatic Filariasis?

- Ans**
- ☐ 1. Amit Shah
 - ☒ 2. Jagat Prakash Nadda
 - ☐ 3. Shivraj Singh Chauhan
 - ☐ 4. Chirag Paswan

Q.13 What is required when creating a file or folder?

- Ans**
- ☐ 1. A password
 - ☒ 2. A name
 - ☐ 3. An email ID
 - ☐ 4. A desktop shortcut

Q.14 Under the Fifth Schedule, which primary authority is granted to the Governor of a State regarding Scheduled Areas?

- Ans**
- ☐ 1. Power to amend the Constitution regarding Schedule amendments
 - ☒ 2. Power to regulate land, forests and social customs in Scheduled Areas
 - ☐ 3. Authority to appoint Members of Parliament from Scheduled Areas
 - ☐ 4. Power to dissolve the State Legislative Assembly

Q.15 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.16 Which article of the Indian Constitution relates RTI to the fundamental right to freedom of speech and expression?

- Ans**
- ☒ 1. Article 19(1)(a)
 - ☐ 2. Article 32
 - ☐ 3. Article 21
 - ☐ 4. Article 15(1)(b)

Q.17 In which of the following cities of India was Infosys established in 1994?

- Ans**
- ☐ 1. Kolkata
 - ☒ 2. Bengaluru
 - ☐ 3. Hyderabad
 - ☐ 4. Mumbai

Q.18 The Acheulian cultural tradition is primarily identified with which types of advanced and symmetrical stone tools?

- Ans**
- ☐ 1. Microliths and scrapers
 - ☐ 2. Blades and borers
 - ☒ 3. Cleavers and hand-axes
 - ☐ 4. Chisels and adzes

Q.19 What is the main feature of the 106th Constitutional Amendment Act, 2023?

- Ans**
- ☒ 1. Reservation of one-third seats for women in legislatures
 - ☐ 2. Provision of legal status to Right to Property
 - ☐ 3. Abolishment of titles
 - ☐ 4. Set up of the Lokpal

Q.20 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. Prime Minister Employment Generation Programme (PMEGP)
 - ☐ 3. Garib Kalyan Rozgar Yojana (GKRY)
 - ☐ 4. Pradhan Mantri Kaushal Vikas Yojana (PMKVY)

Q.21 Which Indian institute's scientists unlocked the mystery of a cellular 'messenger' that may help treat Alzheimer's and diabetes?

- Ans**
- ☐ 1. IIT Kharagpur
 - ☐ 2. AIIMS New Delhi
 - ☒ 3. IISc Bengaluru
 - ☐ 4. IIT Delhi

Q.22 Joseph Francois Dupleix was the governor who led the forces of which of the following European powers?

- Ans**
- ☐ 1. Portuguese
 - ☒ 2. French
 - ☐ 3. Dutch
 - ☐ 4. British

Q.23 In February 2025, which major Zambian river was polluted by an acid spill from a Chinese-operated copper mine?

- Ans**
- ☒ 1. Kafue River
 - ☐ 2. Chambeshi River
 - ☐ 3. Zambezi River
 - ☐ 4. Luangwa River

Q.24 What is a special feature of the new 'Agni-Prime' missile tested by India in March 2025?

- Ans**
- ☒ 1. Canister launch and new materials
 - ☐ 2. Hits many targets
 - ☐ 3. Launched from submarines
 - ☐ 4. Cryogenic engine

Q.25 Which author released the memoir 'Mother Mary Comes to Me' in 2025, reflecting on her relationship with her late mother?

- Ans**
- ☐ 1. Kiran Desai
 - ☒ 2. Arundhati Roy
 - ☐ 3. Jhumpa Lahiri
 - ☐ 4. Anita Desai

Q.26 India's foreign trade structure changed significantly under British rule. During the colonial period, what kind of goods did India primarily export?

- Ans**
- ☐ 1. Manufactured goods
 - ☐ 2. Automobiles
 - ☐ 3. Capital goods
 - ☒ 4. Raw materials

Q.27 What is the primary function of the Control Unit within a CPU?

- Ans**
- ☐ 1. Managing external device connections
 - ☐ 2. Storing frequently used data
 - ☒ 3. Directing the flow of instructions and data
 - ☐ 4. Performing arithmetic calculations

Q.28 Which of the following is an example of social legislation introduced by the British during the colonial period in India?

- Ans
- ☐ 1. The Vernacular Press Act
 - ☒ 2. The Widow Remarriage Act
 - ☐ 3. The Rowlatt Act
 - ☐ 4. The Indian Councils Act

Q.29 Which physical factor most influences the formation of dispersed settlements in hilly and forested regions of India?

- Ans
- ☐ 1. Industrial development
 - ☒ 2. Altitude and terrain
 - ☐ 3. Language diversity
 - ☐ 4. Railway networks

Q.30 Which nation became the fourth nation to successfully dock two satellites in space in January 2025?

- Ans
- ☐ 1. The US
 - ☐ 2. Russia
 - ☒ 3. India
 - ☐ 4. China

Q.31 What does 'dyarchy' mean in the context of the 1919 Act?

- Ans
- ☒ 1. Dual control in provinces
 - ☐ 2. Centralised governance
 - ☐ 3. Dual monarchy system
 - ☐ 4. Power to the judiciary and legislature

Q.32 India participated in the 9th BRICS Industry Ministers' Meeting held on 21 May 2025, under the Chairmanship of which country?

- Ans
- ☐ 1. South Africa
 - ☒ 2. Brazil
 - ☐ 3. Russia
 - ☐ 4. UAE

Q.33 Which institution played a key role in influencing the structural reforms of the industrial sector in India post 1991?

- Ans
- ☐ 1. WTO
 - ☐ 2. NABARD
 - ☐ 3. RBI
 - ☒ 4. IMF and World Bank

Q.34 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. Conversion of people to Christianity.
 - ☐ 3. Colonial land revenue settlements.
 - ☐ 4. Destruction of indigenous industries.

Q.35 In which of the following Indian regions is an alpine climate with snowy winters and cool summers predominant?

- Ans
- ☒ 1. Himalayan Mountains
 - ☐ 2. Western Ghats
 - ☐ 3. Thar Desert
 - ☐ 4. Northern Plains

Q.36 Which of the following Articles of the Indian Constitution is commonly cited as forming the constitutional basis for Judicial Review?

- Ans**
- ☐ 1. Article 370
 - ☒ 2. Article 13
 - ☐ 3. Article 30
 - ☐ 4. Article 19

Q.37 Which international agreement was signed to control emissions of ozone-depleting substances?

- Ans**
- ☐ 1. Basel Convention
 - ☐ 2. Earth Summit
 - ☒ 3. Montreal Protocol
 - ☐ 4. Kyoto Protocol

Q.38 What can be the shape of the trajectory of a charged particle moving in a uniform magnetic field?

- Ans**
- ☐ 1. Hyperbolic path
 - ☒ 2. Helical path
 - ☐ 3. Parabolic path
 - ☐ 4. Elliptical path

Q.39 Who among the following is the founder of the Pala dynasty?

- Ans**
- ☐ 1. Bhoja
 - ☐ 2. Dharmapala
 - ☒ 3. Gopala
 - ☐ 4. Dhruva

Q.40 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 poetry
 - ☐ 2. A novel
 - ☐ 3. A collection of short stories
 - ☐ 4. A play

Section : Mathematics

Q.1 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. 66.13
 - ☒ 3. 57.19
 - ☐ 4. 58.22

Q.2 ₹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. ₹5,252
 - ☒ 2. ₹5,400
 - ☐ 3. ₹5,377
 - ☐ 4. ₹5,594

Q.3 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. ₹39.80
 - ☐ 2. ₹23.60
 - ☒ 3. ₹33.20
 - ☐ 4. ₹33.90

Q.4 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. $12\frac{10}{11}$ hours
 - ☐ 2. $9\frac{10}{11}$ hours
 - ☐ 3. $8\frac{10}{11}$ hours
 - ☒ 4. $4\frac{10}{11}$ hours

Q.5 An article is marked at ₹1,500 and sold for ₹1,200. Find the percentage discount.

- Ans**
- ☐ 1. 30%
 - ☒ 2. 20%
 - ☐ 3. 25%
 - ☐ 4. 15%

Q.6 If the third proportional of 16 and 40 be x, then what is the value of x?

- Ans**
- ☐ 1. 99
 - ☒ 2. 100
 - ☐ 3. 101
 - ☐ 4. 102

Q.7 The LCM of the numbers 4.7 and 0.04 is:

- Ans**
- ☐ 1. 0.94
 - ☐ 2. 94
 - ☐ 3. 0.094
 - ☒ 4. 9.4

Q.8 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 45 minutes
 - ☐ 2. 6 hours 30 minutes
 - ☐ 3. 5 hours 45 minutes
 - ☐ 4. 7 hours 15 minutes

Q.9 The number of prime numbers lying between 393 and 401, both included, is:

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

Q.10 Find the area of a triangle whose sides are 9 cm, 12 cm, and 15 cm.

- Ans**
- ☒ 1. 54 cm^2
 - ☐ 2. 48 cm^2
 - ☐ 3. 42 cm^2
 - ☐ 4. 60 cm^2

Q.11 The value of $\sqrt{1.0201}$ is _____.

- Ans**
- ☐ 1. 1.101
 - ☐ 2. 1.02
 - ☐ 3. 10.1
 - ☒ 4. 1.01

Q.12 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. 3 days
 - ☐ 2. 6 days
 - ☒ 3. 4 days
 - ☐ 4. 5 days

Q.13 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. 11
 - ☐ 2. 8
 - ☐ 3. 3
 - ☒ 4. 4

Q.14 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. 77°
 - ☒ 3. 69°
 - ☐ 4. 64°

Q.15 The product of two consecutive natural numbers is 462. The greater of the two numbers is:

- Ans**
- ☐ 1. 21
 - ☐ 2. 24
 - ☐ 3. 23
 - ☒ 4. 22

Q.16 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. 7,420
 - ☐ 2. 1,060
 - ☐ 3. 5,300
 - ☒ 4. 3,180

Q.17 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. ₹1,046
 - ☐ 2. ₹993
 - ☐ 3. ₹1,051
 - ☒ 4. ₹1,010

Q.18 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.19 Find the value of $[135 \div \{25 + 5 \times (7 - 3)\}]$.

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

Q.20 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.21 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 12 months.

- Ans
- ☐ 1. ₹96
 - ☐ 2. ₹576
 - ☐ 3. ₹68
 - ☒ 4. ₹48

Q.22 Aditya is standing on a light house of 150 m height and watching two boats. Find the distance between the two boats.



- Ans
- ☐ 1. $150\sqrt{3}$ m
 - ☒ 2. $200\sqrt{3}$ m
 - ☐ 3. 250 m
 - ☐ 4. 300 m

Q.23 Which of the following numbers divides 718754023?

- Ans
- ☒ 1. 13
 - ☐ 2. 18
 - ☐ 3. 3
 - ☐ 4. 21

Q.24 An article marked at ₹500 is sold for ₹425. What is the percentage discount?

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

Q.25 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. 48
☒ 2. 50
☐ 3. 51
☐ 4. 49

Q.26 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. 24.72%
☐ 2. 24.74%
☐ 3. 21.33%
☒ 4. 23.08%

Q.27 *By how much is 65% of 65 greater than $\frac{2}{5}$ of 25?*

- Ans** ☒ 1. 32.25
☐ 2. 26.25
☐ 3. 29.25
☐ 4. 30.25

Q.28 The number 541096943 is divisible by which of the following?

- Ans** ☐ 1. 87
☒ 2. 97
☐ 3. 103
☐ 4. 107

Q.29 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. 92%
☒ 2. 62%
☐ 3. 43%
☐ 4. 74%

Q.30 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. 34.21
☐ 2. 33.21
☐ 3. 36.21
☐ 4. 35.21

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. LPUB
 - ☒ 2. QUZG
 - ☒ 3. BEKR
 - ☒ 4. CGLS

Q.2 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. 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?

WRM RMH MHC HCX ?

- Ans**
- ☒ 1. CXD
 - ☒ 2. CSX
 - ☒ 3. CDX
 - ☒ 4. CXS

Q.4 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. Three
 - ☒ 4. None

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 triangles are compasses.

All squares are compasses.

Conclusions:

(I) Some triangles are squares.

(II) Some compasses are squares.

- 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.6 What should come in place of the question mark (?) in the given series?

108 122 139 159 182 208 ?

- Ans**
- ☐ 1. 248
 - ☒ 2. 237
 - ☐ 3. 229
 - ☐ 4. 222

Q.7 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. 2
 - ☐ 2. 4
 - ☐ 3. 3
 - ☒ 4. 1

Q.8 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. Two
 - ☐ 2. One
 - ☒ 3. Three
 - ☐ 4. Four

Q.9 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. One
 - ☐ 2. Two
 - ☐ 3. Four
 - ☒ 4. Three

Q.10 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. Three
 - ☒ 4. Two

Q.11 If + means $\times$, $\times$ means $\div$ and $\div$ 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.12 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. 7
 - ☐ 2. 6
 - ☒ 3. 10
 - ☐ 4. 9

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.

LIVE – ELVI – LEIV
HANG – GHNA – HGAN

- Ans**
- ☐ 1. PORT – TPOR – ORTP
 - ☐ 2. REDS – ERDS – SEDR
 - ☐ 3. PAIN – NPIA – PANI
 - ☒ 4. DUSK – KDSU – DKUS

Q.14 What should come in place of the question mark (?) in the given series?
91, 102, 119, 142, 171, ?

- Ans**
- ☒ 1. 206
 - ☐ 2. 214
 - ☐ 3. 215
 - ☐ 4. 204

Q.15 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 18
 - ☐ 2. KJ 19
 - ☒ 3. JI 19
 - ☐ 4. KJ 18

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 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. YS-AT
 - ☐ 2. KE-MF
 - ☒ 3. PJ-RI
 - ☐ 4. EY-GZ

Q.17 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. 4 km north
 - ☐ 2. 3 km north
 - ☐ 3. 6 km north
 - ☒ 4. 7 km north

Q.18 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. One
 - ☐ 2. Three
 - ☐ 3. None
 - ☒ 4. Two

Q.19 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. 8
 - ☐ 2. 6
 - ☒ 3. 5
 - ☐ 4. 1

Q.20 What should come in place of the question mark (?) in the following series?

2 6 12 20 ?

- Ans**
- ☒ 1. 30
 - ☐ 2. 25
 - ☐ 3. 35
 - ☐ 4. 40

Q.21 HDLI is related to FBIG 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. HLPN
 - ☒ 2. LHPN
 - ☐ 3. LHMP
 - ☐ 4. HLMP

Q.22 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. 3 km to east
 - ☒ 2. 2 km to west
 - ☐ 3. 3 km to west
 - ☐ 4. 2 km to east

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. SXR
 - ☒ 2. NSL
 - ☐ 3. LQK
 - ☐ 4. QVP

Q.24 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. 5
☐ 2. 15
☐ 3. 20
☐ 4. 10

Q.25 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. 2
☐ 3. 4
☐ 4. 6

Q.26 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. (18, 32, 54)
☐ 2. (13, 26, 43)
☒ 3. (48, 60, 84)
☐ 4. (15, 30, 45)

Q.27 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. Only conclusion (II) follows.
☐ 3. Only conclusion (I) follows.
☒ 4. Both conclusions (I) and (II) follow.

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.

ERT : FSV
RDX : SEZ

- Ans ☐ 1. DUC : EVD
☒ 2. UHS : VIU
☐ 3. IOP : JPS
☐ 4. EOC : FPF

Q.29 Pranay ranked 14th from the top and 44th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 58
 - ☐ 2. 56
 - ☒ 3. 57
 - ☐ 4. 55

Q.30 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. Mother's father
 - ☐ 2. Father's brother
 - ☐ 3. Father's father
 - ☐ 4. Father



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 Center Name	iON Digital Zone IDZ Trichy II
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Who was the first Indian to win a gold medal at the Commonwealth Games?

- Ans
- ☒ 1. Sushil Kumar
 - ☒ 2. Milkha Singh
 - ☒ 3. Leander Paes
 - ☒ 4. PT Usha

Q.2 Which state leads the fiscal health index 2025 with a top score of 67.8?

- Ans
- ☒ 1. Odisha
 - ☒ 2. Telangana
 - ☒ 3. Chhattisgarh
 - ☒ 4. Maharashtra

Q.3 In which of the following Indian states is the Sundarbans Biosphere Reserve located?

- Ans
- ☒ 1. Assam
 - ☒ 2. Odisha
 - ☒ 3. Tamil Nadu
 - ☒ 4. West Bengal

Q.4 The Mahila Kisan Sashaktikaran Pariyojana (MKSP), is a key sub-scheme under _____.

- Ans
- ☒ 1. Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY)
 - ☒ 2. National Social Assistance Programme (NSAP)
 - ☒ 3. Deen Dayal Antyodaya Yojana - National Rural Livelihoods Mission (DAY-NRLM)
 - ☒ 4. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)

Q.5 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 Property
 - ☒ 2. Right to Constitutional Remedies
 - ☒ 3. Right to Equality
 - ☒ 4. Right to Education

Q.6 Market control under Alauddin Khilji aimed mainly to _____.

- Ans**
- ☒ 1. check price inflation for army provisions
 - ☐ 2. patronise artisan guilds
 - ☐ 3. encourage foreign trade
 - ☐ 4. promote luxury crafts and goods

Q.7 Which of the following European powers was the first to arrive in India by sea route?

- Ans**
- ☐ 1. Dutch
 - ☒ 2. Portuguese
 - ☐ 3. English
 - ☐ 4. French

Q.8 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. Union Ministry of Home Affairs
 - ☐ 2. National Disaster Management Authority
 - ☐ 3. Ministry of Defence
 - ☐ 4. Election Commission of India

Q.9 The term gomati in the Rigveda refers to which of the following?

- Ans**
- ☒ 1. A wealthy person
 - ☐ 2. A priest
 - ☐ 3. A warrior
 - ☐ 4. A milkmaid

Q.10 In the April 2025 International Shooting Sport Federation World Cup, in which shooting event did Saurabh Chaudhary win a bronze medal?

- Ans**
- ☐ 1. 25 m Rapid Fire Pistol
 - ☐ 2. Skeet Shooting
 - ☒ 3. 10 m Air Pistol
 - ☐ 4. 50 m Rifle 3 Positions

Q.11 Who has the power to give directions to the State Government to ensure compliance with Union laws?

- Ans**
- ☐ 1. Supreme Court of India
 - ☐ 2. Prime Minister of India
 - ☐ 3. Parliament of India
 - ☒ 4. President of India

Q.12 Which indigenous radar system, developed by DRDO in 2025, is designed to enhance the capabilities of the Tejas Mk1A aircraft?

- Ans**
- ☐ 1. Revathi
 - ☒ 2. Uttam AESA
 - ☐ 3. Aslesha Mk I
 - ☐ 4. Bharani Mk I

Q.13 Which of the following infrastructure initiatives is associated with urban development in India?

- Ans**
- ☐ 1. RURBAN Mission
 - ☐ 2. Managed Services Provider Scheme
 - ☒ 3. Atal Mission for Rejuvenation and Urban Transformation
 - ☐ 4. Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan

Q.14 What is the value of one curie (Ci) in SI units of radioactivity?

- Ans**
- ☐ 1. 6.02×10^8 disintegrations per second
 - ☐ 2. 3.7×10^6 disintegrations per second
 - ☒ 3. 3.7×10^{10} disintegrations per second
 - ☐ 4. 1.6×10^{10} disintegrations per second

Q.15 Who is considered unemployed under the Usual Status (US) measure?

- Ans**
- ☐ 1. Someone working part-time
 - ☐ 2. Someone retired from work
 - ☒ 3. Someone not working but seeking work over a long period
 - ☐ 4. Someone working only one day a week

Q.16 Which of the following is a traditional folk painting style from Bihar?

- Ans**
- ☐ 1. Warli
 - ☐ 2. Pattachitra
 - ☒ 3. Madhubani
 - ☐ 4. Kalamkari

Q.17 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.18 In March 2025, ISRO advanced in developing which engine for LVM3?

- Ans**
- ☐ 1. Electric jet engine
 - ☐ 2. Liquid booster
 - ☐ 3. Turbo plasma engine
 - ☒ 4. Semicryogenic engine

Q.19 In 1869, who is credited with publishing the first widely recognized version of the periodic table?

- Ans**
- ☐ 1. Johann Dobereiner
 - ☒ 2. Dmitri Mendeleev
 - ☐ 3. Lothar Meyer
 - ☐ 4. John Alexander Newlands

Q.20 What does the abbreviation ASCII stand for?

- Ans**
- ☐ 1. Automated System for Computer Integrated Information
 - ☐ 2. Advanced Secure Communication Interface
 - ☒ 3. American Standard Code for Information Interchange
 - ☐ 4. Analog Signal Coding Interface Index

Q.21 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. Mandla region of Madhya Pradesh
 - ☐ 3. Lucknow and Kanpur
 - ☐ 4. The region of Awadh

Q.22 Which natural feature divides the Lakshadweep islands into two broad parts?

- Ans**
- ☐ 1. Equator
 - ☐ 2. Ten Degree Channel
 - ☒ 3. Nine Degree Channel
 - ☐ 4. Tropic of Cancer

Q.23 What happens to tectonic plates at divergent boundaries?

- Ans**
- ☐ 1. They stay in one place.
 - ☐ 2. They move towards each other.
 - ☐ 3. They slide past one another.
 - ☒ 4. They move away from each other.

Q.24 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.25 Which of the following tribes is mainly found in the north-eastern part of India?

- Ans**
- ☐ 1. Gonds
 - ☐ 2. Bhils
 - ☐ 3. Santhals
 - ☒ 4. Nagas

Q.26 The Andaman and Nicobar Islands are separated by which water body?

- Ans**
- ☐ 1. Duncan Passage
 - ☒ 2. Ten Degree Channel
 - ☐ 3. Gulf of Mannar
 - ☐ 4. Nine Degree Channel

Q.27 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. 0.685
 - ☐ 2. 0.721
 - ☐ 3. 0.496
 - ☐ 4. 0.810

Q.28 Which is the first State where India's first organic fish cluster was launched by the Central Government?

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

Q.29 Which two parties signed a landmark Digital Trade Agreement (DTA) in May 2025 to deepen digital and economic cooperation?

- Ans**
- ☐ 1. China and South Korea
 - ☐ 2. United States and Japan
 - ☒ 3. European Union and Singapore
 - ☐ 4. India and Australia

Q.30 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. 10th
 - ☐ 4. 20th

Q.31 In June 2025, a 'Maha Kumbhabhishekam' was performed after 270 years at the Sree Padmanabhaswamy Temple, located in which Indian State?

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

Q.32 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. 4
 - ☐ 2. 6
 - ☒ 3. 3
 - ☐ 4. 2

Q.33 Which of the following subjects was moved from the State List to the Concurrent List by the 42nd Amendment Act?

- Ans**
- ☐ 1. Public health
 - ☐ 2. Agriculture
 - ☒ 3. Education
 - ☐ 4. Police

Q.34 On which date did ISRO attempt its 101st launch, which could not be accomplished due to technical problems during its third stage?

- Ans**
- ☐ 1. 16 May 2025
 - ☒ 2. 18 May 2025
 - ☐ 3. 20 May 2025
 - ☐ 4. 14 May 2025

Q.35 Why is infrastructure referred to as a 'universal intermediate'?

- Ans**
- ☒ 1. It is used in the production of nearly all goods and services.
 - ☐ 2. It connects urban and rural areas.
 - ☐ 3. It is universally available in every country.
 - ☐ 4. It is the most profitable sector.

Q.36 What does the 'Ctrl + V' shortcut key do?

- Ans**
- ☐ 1. It copies the selected text or files.
 - ☒ 2. It pastes the copied text or files.
 - ☐ 3. It saves the current document.
 - ☐ 4. It cuts the selected text or files.

Q.37 What is the maximum strength of members in a State Legislative Assembly as per the Constitution of India?

- Ans**
- ☐ 1. 435
 - ☐ 2. 450
 - ☐ 3. 475
 - ☒ 4. 500

Q.38 The reservation of seats in Panchayats for SCs/STs and women comes under which Article?

- Ans**
- ☐ 1. Article 243A
 - ☐ 2. Article 243E
 - ☐ 3. Article 243B
 - ☒ 4. Article 243D

Q.39 Which of the following is a distinctive feature of tribal settlements in India?

- Ans**
- ☐ 1. Planned city layouts
 - ☐ 2. Modern infrastructure and transportation
 - ☐ 3. Skyscrapers
 - ☒ 4. Scattered or linear village pattern in forested or hilly areas

Q.40 In April 2025, India developed two (Human Papillomavirus test) HPV testing kits for the diagnosis of which type of cancer?

- Ans**
- ☒ 1. Cervical cancer
 - ☐ 2. Brain cancer
 - ☐ 3. Blood cancer
 - ☐ 4. Prostate cancer

Section : Mathematics

Q.1 Which of the following numbers is divisible by 22?

- Ans**
- ☐ 1. 61,36,901
 - ☒ 2. 71,32,950
 - ☐ 3. 65,80,350
 - ☐ 4. 64,67,614

Q.2 Find the value of: $[640 \div \{ 22 + 6 \times (4 - 5) \}]$.

- Ans**
- ☐ 1. 45
 - ☐ 2. 37
 - ☐ 3. 36
 - ☒ 4. 40

Q.3 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. 23%
 - ☐ 2. 24%
 - ☐ 3. 18%
 - ☐ 4. 5%

Q.4 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. 2767
 - ☐ 3. 2784
 - ☐ 4. 2756

Q.5 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. 2 km/hr
 - ☒ 3. 6 km/hr
 - ☐ 4. 16 km/hr

Q.6 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. 44
 - ☒ 3. 40
 - ☐ 4. 37

Q.7 Find the perimeter of a rectangle whose length and breadth are 5 cm and 8 cm.

- Ans**
- ☐ 1. 13 cm
 - ☐ 2. 39 cm
 - ☒ 3. 26 cm
 - ☐ 4. 20 cm

Q.8 The average of first 168 even numbers is

- Ans**
- ☐ 1. 169.5
 - ☐ 2. 170
 - ☐ 3. 168.5
 - ☒ 4. 169

Q.9 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. $5\frac{255}{257}$ hours
 - ☐ 2. $9\frac{255}{257}$ hours
 - ☐ 3. $14\frac{255}{257}$ hours
 - ☐ 4. $2\frac{255}{257}$ hours

Q.10 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. 181
☐ 2. 215
☐ 3. 182
☐ 4. 214

Q.11 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. 1,500
☐ 2. 1,400
☐ 3. 1,000
☒ 4. 1,300

Q.12 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. 62
☒ 2. 60
☐ 3. 68
☐ 4. 64

Q.13 Find the value of x satisfying: $2(5x^2 - 5) - 5(2x^2 + 9x - 5) = 18$

- Ans** ☐ 1. $\frac{2}{15}$
☒ 2. $-\frac{1}{15}$
☐ 3. $\frac{4}{15}$
☐ 4. $-\frac{7}{15}$

Q.14 Evaluate: $(-9) - (-60) \div (-10) + (-4) \times 7$

- Ans** ☐ 1. -46
☐ 2. -45
☒ 3. -43
☐ 4. -42

Q.15 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. 20, 25
☐ 3. 30, 25
☐ 4. 15, 20

Q.16 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. $M - N = 1$
☒ 2. $M - N = 3$
☐ 3. $M + N = -3$
☐ 4. $M = N$

Q.17 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. 2%
 - ☒ 3. 3%
 - ☐ 4. 4%

Q.18 ₹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. ₹15,570
 - ☒ 2. ₹15,750
 - ☐ 3. ₹15,648
 - ☐ 4. ₹15,848

Q.19 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. 8 hours 45 minutes
 - ☐ 2. 7 hours 15 minutes
 - ☐ 3. 9 hours 30 minutes
 - ☒ 4. 8 hours 15 minutes

Q.20 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. 4,801
 - ☐ 2. 4,798
 - ☒ 3. 4,800
 - ☐ 4. 4,802

Q.21 Rishi bought some pens at the rate of ₹180/dozen. He sold them for ₹21 each. His profit percentage is ____%.

- Ans**
- ☐ 1. 42
 - ☒ 2. 40
 - ☐ 3. 38
 - ☐ 4. 44

Q.22 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. ₹375
 - ☐ 2. ₹376
 - ☐ 3. ₹374
 - ☐ 4. ₹377

Q.23 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. 84 : 71
 - ☐ 2. 79 : 68
 - ☒ 3. 80 : 69
 - ☐ 4. 76 : 64

Q.24 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. 3 : 5
 - ☒ 2. 8 : 5
 - ☐ 3. 9 : 7
 - ☐ 4. 7 : 4

Q.25 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. 49997
 - ☐ 3. 50002
 - ☒ 4. 50000

Q.26 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. 79 minutes
 - ☒ 2. 49.5 minutes
 - ☐ 3. 39.5 minutes
 - ☐ 4. 99 minutes

Q.27 If $\sec\theta + \tan\theta = \frac{3}{2}$, then the value of $\cos\theta$ is:

- Ans**
- ☐ 1. $\frac{4}{5}$
 - ☐ 2. $\frac{1}{2}$
 - ☐ 3. $\frac{8}{17}$
 - ☒ 4. $\frac{12}{13}$

Q.28 The sum of the squares of two consecutive even natural numbers is 2740. The sum of the numbers is:

- Ans**
- ☒ 1. 74
 - ☐ 2. 70
 - ☐ 3. 80
 - ☐ 4. 88

Q.29 A number, when increased by 70%, gives 3570. The number is:

- Ans**
- ☐ 1. 6300
 - ☐ 2. 1050
 - ☒ 3. 2100
 - ☐ 4. 4200

Q.30 The number 769501 is divisible by which of the following?

- Ans** ☒ 1. 97
☐ 2. 96
☐ 3. 90
☐ 4. 105

Section : General Intelligence and Reasoning

Q.1 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. 1
☐ 2. 3
☒ 3. 0
☐ 4. 2

Q.2 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. LMM 14
☐ 2. LKM 12
☐ 3. LMG 11
☒ 4. LMG 10

Q.3 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. 6
☐ 2. 7
☐ 3. 1
☐ 4. 5

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.

SOAL - ASOL - LAOS
MUGS - GMUS - SGUM

- Ans** ☐ 1. ZOAL - AZOL - OALZ
☒ 2. RAIN - IRAN - NIAR
☐ 3. WIPE - IWPE - EIPW
☐ 4. BOND - BNOD - DNOB

Q.5 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?

$$29\ I\ (23\ J\ 5)\ L\ 23\ J\ 10\ I\ (420\ K\ 4)\ I\ 89 = ?$$

- Ans**
- ☒ 1. 122
 - ☒ 2. 148
 - ☒ 3. 108
 - ☒ 4. 92

Q.6 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-IN
 - ☒ 2. JM-DH
 - ☒ 3. HK-BF
 - ☒ 4. MP-GK

Q.7 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. H
 - ☒ 2. P
 - ☒ 3. F
 - ☒ 4. M

Q.8 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. None
 - ☒ 3. One
 - ☒ 4. Four

Q.9 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. One
 - ☒ 2. Three
 - ☒ 3. None
 - ☒ 4. Two

Q.10 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. 92
 - ☐ 2. 94
 - ☒ 3. 93
 - ☐ 4. 91

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

15, 30, 60, 120, ?, 480

- Ans**
- ☒ 1. 240
 - ☐ 2. 220
 - ☐ 3. 280
 - ☐ 4. 260

Q.12 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. One
 - ☐ 2. Three
 - ☐ 3. Two
 - ☒ 4. None

Q.13 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. P
 - ☐ 2. Q
 - ☐ 3. R
 - ☐ 4. U

Q.14 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. Son's wife's mother
 - ☐ 2. Wife's sister
 - ☐ 3. Wife's mother
 - ☐ 4. Son's wife's sister

Q.15 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. HEEF
 - ☒ 2. HDFC
 - ☐ 3. HCEC
 - ☐ 4. HDEC

Q.16 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. A
 - ☐ 2. C
 - ☐ 3. D
 - ☒ 4. Q

Q.17 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. KUX
 - ☒ 2. KVV
 - ☐ 3. JUX
 - ☐ 4. JVV

Q.18 What should come in place of the question mark (?) in the given series?

2 12 32 62 102 ?

- Ans**
- ☐ 1. 156
 - ☒ 2. 152
 - ☐ 3. 150
 - ☐ 4. 155

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 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. (21, 341, 7)
 - ☐ 2. (17, 265, 5)
 - ☒ 3. (23, 414, 6)
 - ☐ 4. (24, 298, 4)

Q.20 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. K
 - ☐ 2. F
 - ☐ 3. O
 - ☒ 4. H

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. NRV
 - ☐ 2. IMQ
 - ☒ 3. MOU
 - ☐ 4. KOS

Q.22 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. 8
 - ☐ 2. 2
 - ☒ 3. 4
 - ☐ 4. 6

Q.23 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.24 What should come in place of the question mark (?) in the given series?

3 3 4 6 9 ?

- Ans
- ☐ 1. 12
 - ☒ 2. 13
 - ☐ 3. 11
 - ☐ 4. 10

Q.25 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 North
 - ☐ 2. 3 km to South
 - ☐ 3. 2 km to South
 - ☒ 4. 2 km to 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. KO-RM
 - ☒ 2. BF-IC
 - ☐ 3. PT-WR
 - ☐ 4. RV-YT

- 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:

All games are levers.
All levers are drums.

Conclusions:

(I) Some drums are levers.
(II) All games are drums.

- 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.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 lakes are ponds.
All ponds are rivers.

Conclusions:

(I): All lakes are rivers.
(II): All rivers are ponds.

- 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.29** 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 north
 - ☒ 4. 10 km towards west

- Q.30** 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. 4
 - ☒ 2. 3
 - ☒ 3. 1
 - ☒ 4. 6



सत्यमेव जयते

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 Center Name	Aadarsh Pariksha Kendra - Gaya
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 Which Ministry is primarily responsible for implementing most rural development schemes in India?

- Ans**
- ☐ 1. Ministry of Agriculture and Farmers Welfare
 - ☐ 2. Ministry of Panchayati Raj
 - ☒ 3. Ministry of Rural Development
 - ☐ 4. Ministry of Social Justice and Empowerment

Q.2 Which of the following characteristics is true about the Northern Plains?

- Ans**
- ☒ 1. Densely populated due to fertile soil
 - ☐ 2. High elevation with steep slopes
 - ☐ 3. Presence of volcanic plateaus
 - ☐ 4. Low fertility due to rocky terrain

Q.3 The Make in India initiative aims to boost domestic manufacturing. In which year was the 'Make in India' campaign launched?

- Ans**
- ☐ 1. 2018
 - ☐ 2. 2012
 - ☐ 3. 2016
 - ☒ 4. 2014

Q.4 Which of the following officials toured Mauryan provinces every five years to inspect administration and submit reports on provincial governance?

- Ans**
- ☐ 1. Rajuka
 - ☐ 2. Amatya
 - ☐ 3. Nagarika
 - ☒ 4. Pradeshika

Q.5 In the realm of cinema, documentaries are characterised by:

- Ans**
- ☐ 1. aiming to communicate about mythological characters
 - ☐ 2. focusing on fictional suspense
 - ☒ 3. presenting real-world content for learning or leisure
 - ☐ 4. fabricated storylines

Q.6 From which site did ISRO conduct its 100th space launch?

- Ans**
- ☐ 1. Hassan
 - ☐ 2. Chandipur
 - ☐ 3. Chitradurga
 - ☒ 4. Sriharikota

Q.7 Who was declared the Emperor of India by the revolting sepoys during the 1857 uprising?

- Ans**
- ☐ 1. Aurangzeb
 - ☐ 2. Shah Alam II
 - ☒ 3. Bahadur Shah II
 - ☐ 4. Akbar II

Q.8 Which water bodies flank the Peninsular Plateau on the east and west?

- Ans**
- ☐ 1. Bay of Bengal and Indian Ocean
 - ☒ 2. Bay of Bengal and Arabian Sea
 - ☐ 3. Arabian Sea and Andaman Sea
 - ☐ 4. Indian Ocean and Arabian Sea

Q.9 What was the theme of National Technology Day celebrated in India in May 2025?

- Ans**
- ☐ 1. Digital India: Empowering Through Smart Technologies
 - ☐ 2. Powering India through Innovation and Research
 - ☒ 3. YANTRA – Yugantar for Advancing New Technology, Research & Acceleration
 - ☐ 4. Towards a Self-Reliant India through Science and Technology

Q.10 Which of the following is a multipurpose river valley project?

- Ans**
- ☐ 1. Sharda Canal
 - ☒ 2. Damodar Valley Project
 - ☐ 3. Indira Gandhi Canal
 - ☐ 4. Agra Canal

Q.11 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.12 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. Garden Reach Shipbuilders & Engineers Ltd.
 - ☐ 2. Armoured Vehicles Nigam Ltd.
 - ☐ 3. Bharat Electronics Limited
 - ☒ 4. Bharat Dynamics Limited

Q.13 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.14 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 April 2025
 - ☐ 2. 12 May 2025
 - ☐ 3. 20 April 2025
 - ☒ 4. 20 May 2025

Q.15 Which of the following is considered a major social development outcome of India's economic reforms since 1991?

- Ans**
- ☒ 1. Improvement in life expectancy
 - ☐ 2. Increase in poverty rate
 - ☐ 3. Decrease in literacy rate
 - ☐ 4. Widening of fiscal deficit

Q.16 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. e-Zero FIR
 - ☐ 3. National Cyber Safety Net
 - ☐ 4. Cyber Suraksha Abhiyan

Q.17 India developed its first indigenous Magnetic Resonance Imaging (MRI) machine, set to be installed at _____.

- Ans**
- ☐ 1. All Indian Institute of Medical Sciences, Raipur
 - ☐ 2. All Indian Institute of Medical Sciences, Bhopal
 - ☒ 3. All Indian Institute of Medical Sciences, Delhi
 - ☐ 4. All Indian Institute of Medical Sciences, Nagpur

Q.18 Which of the following was one of the last princely states to join the Indian Union?

- Ans**
- ☐ 1. Travancore
 - ☒ 2. Hyderabad
 - ☐ 3. Jodhpur
 - ☐ 4. Mysore

Q.19 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. Deployment of nuclear submarines in the Indian Ocean
 - ☒ 3. Acquisition of new aircraft carriers
 - ☐ 4. Development of a fifth-generation twin-engine stealth fighter jet

Q.20 Which of the following states introduced India's first AI Anchor Ankita in a regional language in May 2025?

- Ans**
- ☐ 1. Tamil Nadu
 - ☐ 2. Madhya Pradesh
 - ☐ 3. Kerala
 - ☒ 4. Assam

Q.21 Which chemical reaction produces ortho-hydroxybenzoic acid, the primary reaction product used as a raw material for medications?

- Ans**
- ☐ 1. Reimer-Tiemann reaction
 - ☐ 2. Stephen reaction
 - ☒ 3. Kolbe's reaction
 - ☐ 4. Friedel-Crafts reaction

Q.22 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. Kesavananda Bharati vs State of Kerala (1973)
 - ☐ 2. Minerva Mills vs Union of India (1980)
 - ☐ 3. Shankari Prasad vs Union of India (1951)
 - ☐ 4. IC Golaknath vs State of Punjab (1967)

Q.23 At the 2025 ceremony held at the European Parliament, which movie was honoured with the LUX Audience Award?

- Ans**
- ☐ 1. Anora
 - ☐ 2. Emilia Pérez
 - ☒ 3. Flow
 - ☐ 4. The Brutalist

Q.24 Who among the following represented India in the 11th BRICS Environment Ministers Summit, 2025?

- Ans**
- ☐ 1. S Jai Shankar
 - ☐ 2. Bhupendra Yadav
 - ☒ 3. Amandeep Garg
 - ☐ 4. Amit Shah

Q.25 The Directive Principles of State Policy aim to establish:

- Ans**
- ☐ 1. a police state
 - ☐ 2. a democratic dictatorship
 - ☒ 3. a welfare state
 - ☐ 4. a capitalist state

Q.26 The 'Atmanirbhar Oil Seeds Abhiyan' launched in Budget 2025 focuses on:

- Ans**
- ☒ 1. achieving self-sufficiency in oilseed production
 - ☐ 2. importing high-quality seeds for oil production
 - ☐ 3. exporting surplus oil seeds
 - ☐ 4. subsidising edible oil prices

Q.27 Which of the following is an example of a tertiary activity?

- Ans**
- ☐ 1. Mining
 - ☒ 2. Teaching
 - ☐ 3. Farming
 - ☐ 4. Manufacturing

Q.28 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.29 At the time of colonial period, the Asaf Jahi dynasty was established in ____.

- Ans**
- ☐ 1. Punjab
 - ☐ 2. Bengal
 - ☒ 3. Hyderabad
 - ☐ 4. Mysore

Q.30 Which type of ROM can be programmed only once after manufacturing?

- Ans**
- ☐ 1. EEPROM
 - ☐ 2. EPROM
 - ☐ 3. Mask ROM
 - ☒ 4. PROM

Q.31 What is the term of office for the President of India?

- Ans**
- ☐ 1. 6 years
 - ☒ 2. 5 years
 - ☐ 3. 4 years
 - ☐ 4. Until removed by Parliament

Q.32 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. Industry
 - ☐ 4. Defence

Q.33 Who was the last Viceroy of India who oversaw the partition of India before leaving?

- Ans**
- ☐ 1. Lord Wavell
 - ☒ 2. Lord Mountbatten
 - ☐ 3. Lord Cripps
 - ☐ 4. Pethick Lawrence

Q.34 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. Himachal
 - ☒ 3. Goa
 - ☐ 4. Sikkim

Q.35 The All India Services in India are created under which Article of the Constitution?

- Ans**
- ☐ 1. Article 320
 - ☐ 2. Article 107
 - ☐ 3. Article 206
 - ☒ 4. Article 312

Q.36 Which of the following Biosphere Reserves is located in Tamil Nadu?

- Ans**
- ☐ 1. Seshachalam Biosphere Reserve
 - ☒ 2. Gulf of Mannar Biosphere Reserve
 - ☐ 3. Dibru-Saikhowa Biosphere Reserve
 - ☐ 4. Sundarbans Biosphere Reserve

Q.37 The Chhatrapati Shivaji Terminus is a prime example of which of the following types of architectural style?

- Ans**
- ☒ 1. Indo-Saracenic
 - ☐ 2. Pure Mughal
 - ☐ 3. Dravidian
 - ☐ 4. Gothic alone

Q.38 Which weathering process involves the peeling of rock layers due to temperature variations?

- Ans**
- ☒ 1. Exfoliation
 - ☐ 2. Oxidation
 - ☐ 3. Solution
 - ☐ 4. Frost action

Q.39 Which of the following Acts provides legal status to Lok Adalats in India?

- Ans**
- ☐ 1. Indian Penal Code, 1860
 - ☒ 2. Legal Services Authorities Act, 1987
 - ☐ 3. Arbitration and Conciliation Act, 1996
 - ☐ 4. Civil Procedure Code, 1908

Q.40 Who first proposed a law in 1931 to clarify the idea of thermal equilibrium and its significance in determining temperature?

- Ans**
- ☐ 1. Rudolf Clausius
 - ☒ 2. Ralph H Fowler
 - ☐ 3. James P Espy
 - ☐ 4. Hugh L. Callendar

Section : Mathematics

Q.1 The value of $\frac{2}{5} + \left(\frac{1}{1 + \frac{5}{7}} \right) - \frac{2}{5}$ is

- Ans**
- ☐ 1. $\frac{10}{17}$
 - ☐ 2. $\frac{14}{13}$
 - ☐ 3. $\frac{2}{7}$
 - ☒ 4. $\frac{7}{12}$

Q.2 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month in 6 months.

- Ans**
- ☐ 1. 38
 - ☒ 2. 216
 - ☐ 3. 36
 - ☐ 4. 18

Q.3 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. ₹1,254
 - ☐ 2. ₹1,404
 - ☐ 3. ₹1,231
 - ☒ 4. ₹1,300

Q.4 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. 187
 - ☒ 2. 194
 - ☐ 3. 188
 - ☐ 4. 195

Q.5 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. 5
 - ☐ 3. 6
 - ☒ 4. 2

Q.6 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. 53 km/hr
 - ☐ 2. 35 km/hr
 - ☐ 3. 42 km/hr
 - ☒ 4. 43 km/hr

Q.7 Find the volume of a cylinder with radius 5 cm and height 21 cm (use $\pi = \frac{22}{7}$).

- Ans**
- ☐ 1. 1320 cm³
 - ☒ 2. 1650 cm³
 - ☐ 3. 1200 cm³
 - ☐ 4. 1500 cm³

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. $2\sqrt{pq}$
 - ☐ 3. $\sqrt{pq}$
 - ☐ 4. $3\sqrt{pq}$

Q.9 The value of $\sqrt{324} + \sqrt{0.0324} - \sqrt{8.41}$ is ____.

- Ans**
- ☒ 1. 15.28
 - ☐ 2. 10.83
 - ☐ 3. 6.97
 - ☐ 4. 16.61

Q.10 Evaluate 74^2 .

- Ans
- ☐ 1. 5456
 - ☐ 2. 5526
 - ☐ 3. 5486
 - ☒ 4. 5476

Q.11 The average of first 172 even numbers is

- Ans
- ☐ 1. 174
 - ☐ 2. 173.5
 - ☒ 3. 173
 - ☐ 4. 172.5

Q.12 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.13 Ashish bought some rulers at the rate of ₹180/dozen. He sold them for ₹24 each. His profit percentage is ____%.

- Ans
- ☐ 1. 58
 - ☐ 2. 64
 - ☒ 3. 60
 - ☐ 4. 62

Q.14 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. 30 cm, 24 cm
 - ☐ 2. 36 cm, 30 cm
 - ☐ 3. 28 cm, 22 cm
 - ☐ 4. 23 cm, 29 cm

Q.15 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. ₹490
 - ☒ 2. ₹595
 - ☐ 3. ₹560
 - ☐ 4. ₹455

Q.16 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. ₹1,700
 - ☐ 2. ₹1,750
 - ☒ 3. ₹1,710
 - ☐ 4. ₹1,800

Q.17 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.18 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. 36%
 - ☐ 2. 20%
 - ☒ 3. 41%
 - ☐ 4. 48%

Q.19 ₹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. ₹8,360
 - ☐ 2. ₹8,538
 - ☒ 3. ₹8,420
 - ☐ 4. ₹8,278

Q.20 If the third proportional of 4 and 16 be x, then what is the value of x?

- Ans**
- ☒ 1. 64
 - ☐ 2. 66
 - ☐ 3. 67
 - ☐ 4. 62

Q.21 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. $9\frac{8}{11}$ days
 - ☐ 2. $4\frac{8}{11}$ days
 - ☐ 3. $11\frac{8}{11}$ days
 - ☒ 4. $2\frac{8}{11}$ days

Q.22 A number, when increased by 60%, gives 3590. The number is:

- Ans**
- ☐ 1. 4487.5
 - ☒ 2. 2243.75
 - ☐ 3. 1121.875
 - ☐ 4. 6731.25

Q.23 Which of the following numbers divide 862026417?

- Ans**
- ☒ 1. 7
 - ☐ 2. 6
 - ☐ 3. 11
 - ☐ 4. 5

Q.24 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. $\frac{41}{3}$
 - ☒ 2. $\frac{35}{4}$
 - ☒ 3. $\frac{40}{3}$
 - ☒ 4. $\frac{30}{5}$

Q.25 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. 257
 - ☒ 2. 258
 - ☒ 3. 269
 - ☒ 4. 266

Q.26 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.27 The ratio of two numbers is 5 : 6 and their HCF is 7. Find their LCM.

- Ans
- ☒ 1. 210
 - ☒ 2. 42
 - ☒ 3. 84
 - ☒ 4. 35

Q.28 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. 64.17
 - ☒ 2. 63.06
 - ☒ 3. 70.24
 - ☒ 4. 70.02

Q.29 The number 934725 is divisible by which of the following?

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

Q.30 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. 143751
 - ☒ 2. 143750
 - ☒ 3. 143753
 - ☒ 4. 143752

Section : General Intelligence and Reasoning

Q.1 What should come in place of the question mark (?) in the given series?

657 660 665 672 681 ?

- Ans**
- ☒ 1. 690
 - ☒ 2. 692
 - ☒ 3. 693
 - ☒ 4. 691

Q.2 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. HBG
 - ☒ 2. HCG
 - ☒ 3. HCF
 - ☒ 4. HBF

Q.3 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. CLAY - LCAY - LAYC
 - ☒ 2. HOLD - OHLD - DOHL
 - ☒ 3. MARK - MRAK - KRAM
 - ☒ 4. DINE - IDNE - EIND

Q.4 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. 23
 - ☒ 2. 50
 - ☒ 3. 43
 - ☒ 4. 32

Q.5 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. VAVX
 - ☒ 2. VYVV
 - ☒ 3. VZWV
 - ☒ 4. VZVV

Q.6 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. Northwest
 - ☐ 2. Southeast
 - ☒ 3. Northeast
 - ☐ 4. North

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

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. TZU
 - ☐ 2. NTP
 - ☐ 3. QQM
 - ☐ 4. QWS

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. EAW
 - ☐ 2. SOK
 - ☐ 3. RNJ
 - ☒ 4. QKG

Q.10 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. Four
 - ☐ 2. Two
 - ☐ 3. One
 - ☒ 4. Three

Q.11 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. QRQ : STR
 - ☐ 3. QUK : SXJ
 - ☒ 4. ELM : GNL

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.

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. V
 - ☐ 3. U
 - ☐ 4. W

Q.13 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. T
 - ☐ 2. R
 - ☒ 3. U
 - ☐ 4. Q

Q.14 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. 8
 - ☐ 3. 9
 - ☐ 4. 7

Q.15 What should come in place of the question mark (?) in the given series?

6 13 27 48 76 ?

- Ans**
- ☐ 1. 100
 - ☐ 2. 105
 - ☐ 3. 109
 - ☒ 4. 111

Q.16 Vimal ranked 29th from the top and 24th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 51
 - ☒ 2. 52
 - ☐ 3. 53
 - ☐ 4. 54

Q.17 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 sister
 - ☐ 2. Sister
 - ☐ 3. Husband's mother
 - ☐ 4. Mother

Q.18 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. 5
 - ☐ 2. 7
 - ☐ 3. 3
 - ☐ 4. 1

Q.19 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 A 5 D 10 B 3 C 42 = ?

- Ans**
- ☐ 1. 21
 - ☒ 2. 17
 - ☐ 3. 24
 - ☐ 4. 14

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. ZR - FN
 - ☐ 2. YD - DZ
 - ☐ 3. HO - MK
 - ☐ 4. BV - GR

Q.21 What should come in place of the question mark (?) in the given series?

31 58 94 139 193 ?

- Ans**
- ☐ 1. 272
 - ☐ 2. 281
 - ☐ 3. 263
 - ☒ 4. 256

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.

(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. Four
 - ☐ 2. None
 - ☐ 3. One
 - ☒ 4. Two

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.)

(28, 140, 5)

(41, 533, 13)

Ans ✓ 1. (35, 735, 21)

✗ 2. (44, 355, 8)

✗ 3. (25, 103, 4)

✗ 4. (1, 25, 22)

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 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. Only conclusion (II) follows.

✗ 3. Both conclusions (I) and (II) follow.

✗ 4. Neither conclusion (I) nor (II) follows.

Q.25 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. BIQ 42

✓ 2. AIQ 38

✗ 3. AIO 40

✗ 4. AMQ 36

Q.26 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. jt

✓ 2. mk

✗ 3. jb

✗ 4. tk

Q.27 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

Q.28 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. A
 - ☐ 3. C
 - ☒ 4. R

Q.29 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. Four
 - ☐ 2. One
 - ☒ 3. Three
 - ☐ 4. Two

Q.30 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 West
 - ☐ 2. 26 km towards North
 - ☐ 3. 29 km towards East
 - ☒ 4. 26 km towards West



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



Test Center Name	Webinfotron Technologies Pvt. Ltd.
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which type of unemployment is most prevalent in Indian agriculture during the non-sowing season?

- Ans**
- ✓ 1. Seasonal Unemployment
 - ✗ 2. Cyclical Unemployment
 - ✗ 3. Structural Unemployment
 - ✗ 4. Disguised Unemployment

Q.2 Which Constitutional Amendment Act restored the Parliament's power to amend Fundamental Rights?

- Ans**
- ✓ 1. 24th Amendment Act, 1971
 - ✗ 2. 52nd Amendment Act, 1985
 - ✗ 3. 42nd Amendment Act, 1976
 - ✗ 4. 44th Amendment Act, 1978

Q.3 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. Axis Bank Limited
 - ✗ 2. IndusInd Bank Limited
 - ✗ 3. Kotak Mahindra Bank Limited
 - ✓ 4. HDFC Limited

Q.4 Which one of the following hypotheses/theories explains the formation of the solar system from a rotating cloud of gas and dust?

- Ans**
- ✓ 1. Nebular Hypothesis
 - ✗ 2. Big Bang Theory
 - ✗ 3. Plate Tectonics Theory
 - ✗ 4. Continental Drift Theory

Q.5 How many new judges were sworn-in to the Supreme Court of India on 30 May 2025?

- Ans**
- ☐ 1. six
 - ☒ 2. three
 - ☐ 3. four
 - ☐ 4. two

Q.6 What is the main advantage of road transport over railways?

- Ans**
- ☐ 1. Environment-friendly
 - ☐ 2. Suitable for long distances
 - ☐ 3. Cheaper and faster than railway transport over long distances
 - ☒ 4. Door-to-door service

Q.7 Which mountain range forms the eastern boundary of the Deccan Plateau?

- Ans**
- ☐ 1. Satpura Range
 - ☐ 2. Vindhya Range
 - ☒ 3. Eastern Ghats
 - ☐ 4. Western Ghats

Q.8 Who is the chief judge of the Supreme Court of India, as of May 2025?

- Ans**
- ☒ 1. Bhushan R Gavai
 - ☐ 2. DY Chandrachud
 - ☐ 3. Sharad Arvind Bobde
 - ☐ 4. NV Ramana

Q.9 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. Odisha
 - ☒ 2. Tripura
 - ☐ 3. West Bengal
 - ☐ 4. Mizoram

Q.10 Which of the following steps correctly describes how to move a file or folder using the Cut and Paste method?

- Ans**
- ☐ 1. Open file → Click Close → Open Recycle Bin
 - ☐ 2. Select file → Press Ctrl + C → Go to new location → Press Delete
 - ☐ 3. Select file → Right-click → Copy → Go to new location → Right-click → Paste
 - ☒ 4. Select file → Edit → Cut or Ctrl + X → Go to new location → Edit → Paste or Ctrl + V

Q.11 Who is best known for being associated with the theory of quantum mechanics, published in 1925?

- Ans**
- ☐ 1. Wolfgang Pauli
 - ☐ 2. Heinrich Rudolf Hertz
 - ☒ 3. Werner Heisenberg
 - ☐ 4. Ernest Rutherford

Q.12 Where was the third Meeting of States Parties to the Treaty on the Prohibition of Nuclear Weapons (TPNW) held in 2025?

- Ans**
- ☐ 1. Vienna
 - ☐ 2. Brussels
 - ☒ 3. New York City
 - ☐ 4. Geneva

Q.13 The governor of a province (bhukti) in the Pala and Pratihara empire was called:

- Ans**
- ☐ 1. Rashtrapati
 - ☐ 2. Koshtapala
 - ☒ 3. Uparika
 - ☐ 4. Visayapati

Q.14 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-Nepal dispute over Kalapani
 - ☒ 3. India-Pakistan dispute over Siachen
 - ☐ 4. India-China dispute in Eastern Ladakh

Q.15 Which of the following pigments is present in vegetables like spinach, giving it the characteristic green colour?

- Ans**
- ☒ 1. Chlorophyll
 - ☐ 2. Xanthophyll
 - ☐ 3. Lutein
 - ☐ 4. Anthocyanin

Q.16 In the Great Indian Plains of India, which kind of soil is found on a large scale?

- Ans**
- ☐ 1. Black soil
 - ☐ 2. Laterite soil
 - ☐ 3. Red soil
 - ☒ 4. Alluvial soil

Q.17 The Faraizi Movement's no-tax campaign primarily targeted the _____.

- Ans**
- ☐ 1. Local tribal rulers
 - ☐ 2. British Army
 - ☐ 3. Mughal officials
 - ☒ 4. Indigo planters and zamindars

Q.18 Which organisation successfully developed an indigenous nanoporous multilayered polymeric membrane for high-pressure seawater desalination in May 2025?

- Ans**
- ☐ 1. Council of Scientific and Industrial Research (CSIR)
 - ☒ 2. Defence Research & Development Organisation (DRDO)
 - ☐ 3. Bhabha Atomic Research Centre (BARC)
 - ☐ 4. Indian Space Research Organisation (ISRO)

Q.19 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 4
 - ☐ 2. Only 1 and 2
 - ☐ 3. Only 1, 2 and 3
 - ☐ 4. Only 2 and 3

Q.20 Wildlife sanctuaries in India are primarily established for:

- Ans**
- ☐ 1. promoting eco-tourism
 - ☐ 2. urban development
 - ☒ 3. protecting endangered species
 - ☐ 4. generating forest revenue

Q.21 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. 200 days
 - ☒ 2. 100 days
 - ☐ 3. 50 days
 - ☐ 4. 150 days

Q.22 Which Article of the Constitution mandates the establishment of the National Commission for Scheduled Castes?

- Ans**
- ☒ 1. Article 338
 - ☐ 2. Article 335
 - ☐ 3. Article 340
 - ☐ 4. Article 342

Q.23 In 2025 news, Guillain-Barré Syndrome (GBS) primarily impacts which part of the human body system?

- Ans**
- ☐ 1. Immune system
 - ☐ 2. Circulatory system
 - ☐ 3. Digestive system
 - ☒ 4. Peripheral nervous system

Q.24 Which of the following agencies launched the 'Medical Innovations Patent Mitra' in 2025?

- Ans**
- ☐ 1. DST
 - ☒ 2. ICMR
 - ☐ 3. NITI Aayog
 - ☐ 4. AIIMS New Delhi

Q.25 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. 50%
 - ☒ 2. 33%
 - ☐ 3. 25%
 - ☐ 4. 43%

Q.26 Which Article empowers the High Courts to issue writs for the enforcement of Legal and Fundamental Rights?

- Ans**
- ☒ 1. Article 226
 - ☐ 2. Article 136
 - ☐ 3. Article 124
 - ☐ 4. Article 324

Q.27 In which of the following years was Indian Universities Act enacted to impose stiff control over Indian Universities?

- Ans**
- ☐ 1. 1900
 - ☐ 2. 1893
 - ☐ 3. 1886
 - ☒ 4. 1904

Q.28 Under the National Action Plan on Climate Change (NAPCC), which mission specifically promotes the development of solar energy in India?

- Ans**
- ☐ 1. National Green Mission
 - ☒ 2. National Solar Mission
 - ☐ 3. National Water Mission
 - ☐ 4. Mission on Sustainable Habitat

Q.29 Who among the following is regarded as the father of modern Hindi literature and theatre?

- Ans**
- ☒ 1. Bharatendu Harishchandra
 - ☐ 2. Jaishankar Prasad
 - ☐ 3. Premchand
 - ☐ 4. Mahavir Prasad Dwivedi

Q.30 Which of the following is the official language of the state of Manipur?

- Ans**
- ☐ 1. Bodo
 - ☒ 2. Meitei
 - ☐ 3. Mizo
 - ☐ 4. Khasi

Q.31 What is the function of device drivers in an operating system?

- Ans**
- ☐ 1. To install software updates
 - ☒ 2. To manage communication between OS and hardware
 - ☐ 3. To create new user accounts
 - ☐ 4. To clean temporary files

Q.32 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. Banned all foreign satellite communication providers
 - ☐ 4. Completed the construction of a national space station

Q.33 Which of the following leaders co-chaired the AI Action Summit in Paris with Indian Prime Minister Narendra Modi?

- Ans**
- ☒ 1. Emmanuel Macron
 - ☐ 2. Joe Biden
 - ☐ 3. Mark Rutte
 - ☐ 4. Valdamir Putin

Q.34 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. 1945
 - ☐ 2. 1946
 - ☒ 3. 1947
 - ☐ 4. 1950

Q.35 Which body recommends the distribution of tax revenue between the Centre and States?

- Ans**
- ☐ 1. Supreme Court
 - ☒ 2. Finance Commission
 - ☐ 3. Comptroller and Auditor General
 - ☐ 4. NITI Aayog

Q.36 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 Election Commission to conduct elections for Lok Sabha and all State Assemblies at the same time
 - ☐ 3. the State to make any special provision for the advancement of the economically weaker section (EWS) of citizens
 - ☐ 4. the President to declare different proclamations of national emergency on different grounds simultaneously

Q.37 What was the name of the legend who spearheaded the Munda Rebellion?

- Ans**
- ☐ 1. Nirmal Munda
 - ☐ 2. Kariya Munda
 - ☐ 3. Prakash Munda
 - ☒ 4. Birsa Munda

Q.38 Who among the following created history by scoring 9000 runs in T20 in May 2025?

- Ans**
- ☐ 1. Tilak Verma
 - ☐ 2. KL Rahul
 - ☐ 3. Rohit Sharma
 - ☒ 4. Virat Kohli

Q.39 Simone Biles, the winner of the 2025 Laureus World Sportswoman of the Year award, is associated with the sport of ____.

- Ans**
- ☐ 1. swimming
 - ☒ 2. gymnastics
 - ☐ 3. tennis
 - ☐ 4. track and field

Q.40 What is the main content of the four Vedas composed during the Early Vedic period?

- Ans**
- ☐ 1. Laws and rituals
 - ☒ 2. Prayers and hymns
 - ☐ 3. War strategies
 - ☐ 4. Agricultural manuals

Section : Mathematics

Q.1 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. 44.67
 - ☒ 2. 46.67
 - ☐ 3. 50.67
 - ☐ 4. 48.67

Q.2 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. 51.2
 - ☐ 2. 52.2
 - ☐ 3. 53.2
 - ☐ 4. 50.2

Q.3 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. 7
 - ☒ 2. 11
 - ☐ 3. 8
 - ☐ 4. 9

Q.4 The average of first 156 even numbers is

- Ans**
- ☐ 1. 158
 - ☐ 2. 157.5
 - ☒ 3. 157
 - ☐ 4. 156.5

Q.5 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. 1,600
 - ☐ 2. 1,419
 - ☐ 3. 1,354
 - ☐ 4. 1,701

Q.6 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. ₹6
 - ☐ 4. ₹3

Q.7 Pipe P can fill $\frac{4}{9}$ part of a tank in 20 hours, and pipe Q can fill $\frac{2}{9}$ part of a tank in 20 hours. Both P and Q were kept open for 3 hours, then both were closed. Pipe R emptied the water in the tank in 4 hours. Pipes P, Q and R together

- Ans**
- ☐ 1. 117 hours
 - ☐ 2. 147 hours
 - ☐ 3. 115 hours
 - ☒ 4. 135 hours

Q.8 The number 648679059 is divisible by which of the following?

- Ans**
- ☒ 1. 3
 - ☐ 2. 10
 - ☐ 3. 8
 - ☐ 4. 11

Q.9 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. 7 km/hr
 - ☐ 2. 10 km/hr
 - ☐ 3. 5 km/hr
 - ☐ 4. 6 km/hr

Q.10 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. 3.71
 - ☐ 2. 2.37
 - ☐ 3. 4.84
 - ☐ 4. 5.03

Q.11 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 year
 - ☐ 2. 2.5 years
 - ☐ 3. 1.5 years
 - ☒ 4. 2 years

Q.12 Find the value of: $57^{-9} \div 57^4 \times 57^{-10}$

- Ans**
- ☐ 1. 57^{-33}
 - ☒ 2. 57^{-23}
 - ☐ 3. 57^{-25}
 - ☐ 4. 57^{-18}

Q.13 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. 45 hours
 - ☐ 2. 47 hours
 - ☒ 3. 40 hours
 - ☐ 4. 36 hours

Q.14 The value of $\frac{3}{2} + \left(\frac{1}{1 + \frac{5}{8}} \right) - \frac{4}{3}$ is

- Ans**
- ☒ 1. $\frac{61}{78}$
 - ☐ 2. $\frac{54}{85}$
 - ☐ 3. $\frac{68}{71}$
 - ☐ 4. $\frac{52}{79}$

Q.15 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. ₹8,400
 - ☒ 2. ₹9,180
 - ☐ 3. ₹9,520
 - ☐ 4. ₹8,750

Q.16 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. $\frac{79}{88}$
 - ☒ 3. $\frac{69}{88}$
 - ☐ 4. $\frac{71}{88}$

Q.17 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. cosecA
 - ☒ 2. cotA
 - ☐ 3. 1
 - ☐ 4. tanA

Q.18 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. 7280
 - ☐ 2. 7593
 - ☐ 3. 7591
 - ☒ 4. 7500

Q.19 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. 9,900
 - ☐ 2. 9,897
 - ☐ 3. 9,902
 - ☐ 4. 9,901

Q.20 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.21 The sum of the squares of two consecutive even natural numbers is 2452. The sum of the numbers is:

- Ans**
- ☐ 1. 54
 - ☐ 2. 46
 - ☒ 3. 70
 - ☐ 4. 52

Q.22 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. 92,110
 - ☒ 2. 92,115
 - ☐ 3. 92,167
 - ☐ 4. 92,051

Q.23 If the third proportional of 60 and 30 is x, then what is the value of x?

- Ans**
- ☐ 1. 16
 - ☐ 2. 18
 - ☐ 3. 13
 - ☒ 4. 15

Q.24 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. ₹2,05,777
 - ☐ 2. ₹2,05,873
 - ☒ 3. ₹2,05,800
 - ☐ 4. ₹2,05,705

Q.25 ABCD is a quadrilateral whose sides are equal and $\angle ABC = 90^\circ$. If t then ABCD is a:

- Ans
- ☐ 1. rhombus
 - ☐ 2. rectangle
 - ☐ 3. kite
 - ☒ 4. square

Q.26 The number 267533 is divisible by which of the following?

- Ans
- ☐ 1. 5
 - ☐ 2. 12
 - ☐ 3. 6
 - ☒ 4. 7

Q.27 

- Ans
- ☐ 1. 17.25
 - ☒ 2. 20.25
 - ☐ 3. 18.25
 - ☐ 4. 14.25

Q.28 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. 800
 - ☐ 2. 771
 - ☐ 3. 734
 - ☐ 4. 707

Q.29 The LCM of the numbers 6.3 and 0.07 is:

- Ans
- ☐ 1. 0.063
 - ☐ 2. 63
 - ☒ 3. 6.3
 - ☐ 4. 0.63

Q.30 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. $102x - 132$

Section : General Intelligence and Reasoning

Q.1 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. BEAT - EBAT - TEAB
 - ☒ 3. WANT - NWAT - TNAW
 - ☐ 4. SLAP - ASLP - LAPS

Q.2 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. CGNH
 - ☐ 2. CPNG
 - ☒ 3. CZPN
 - ☐ 4. CZNP

Q.3 What should come in place of the question mark (?) in the given series?

28 29 31 35 43 ?

- Ans**
- ☐ 1. 56
 - ☒ 2. 59
 - ☐ 3. 58
 - ☐ 4. 57

Q.4 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. 5
 - ☐ 3. 2
 - ☐ 4. 4

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. 38
 - ☐ 2. 39
 - ☒ 3. 40
 - ☐ 4. 37

Q.6 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. R
 - ☒ 2. N
 - ☐ 3. M
 - ☐ 4. P

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

Q.8 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. 5 km towards West
 - ✗ 2. 7 km towards South
 - ✗ 3. 5 km towards East
 - ✗ 4. 7 km towards West

Q.9 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.10 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. 2
 - ✗ 2. 8
 - ✗ 3. 9
 - ✓ 4. 1

Q.11 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. 5
 - ✗ 3. 2
 - ✗ 4. 9

Q.12 What should come in place of the question mark (?) in the given series?

3 5 9 23 39 ?

- Ans**
- ✗ 1. 68
 - ✓ 2. 65
 - ✗ 3. 66
 - ✗ 4. 64

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?

56 D 23 C 69 B 2 D 79 C 36 B 9 A 3 = ?

- Ans**
- ✓ 1. 200
 - ✗ 2. 314
 - ✗ 3. 150
 - ✗ 4. 223

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 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. IE-LH
 - ☐ 2. MI-PL
 - ☐ 3. RN-UQ
 - ☒ 4. FB-ID

Q.15 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.16 What should come in place of the question mark (?) in the given series?

451 450 442 415 351 ?

- Ans**
- ☒ 1. 226
 - ☐ 2. 236
 - ☐ 3. 228
 - ☐ 4. 232

Q.17 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. 50
 - ☐ 2. 52
 - ☐ 3. 56
 - ☒ 4. 54

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 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. Two
 - ☐ 2. One
 - ☐ 3. Four
 - ☐ 4. Three

Q.19 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. 74 km towards the east
 - ☐ 3. 57 km towards the west
 - ☐ 4. 72 km towards the north

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. 459, 366
☐ 2. 642, 546
☐ 3. 470, 374
☐ 4. 564, 469

Q.21 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. One
☐ 2. Two
☐ 3. Three
☒ 4. None

Q.22 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. L
☐ 2. D
☐ 3. J
☒ 4. A

Q.23 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. UOY
☐ 3. YOU
☒ 4. UYO

Q.24 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. 24
☐ 2. 17
☐ 3. 9
☒ 4. 4

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. UNR
 - ✗ 2. NGL
 - ✗ 3. JCH
 - ✗ 4. QJO

Q.26 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. 8
 - ✗ 2. 5
 - ✗ 3. 4
 - ✗ 4. 9

Q.27 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. IDO : GEK
 - ✗ 2. EEI : CGE
 - ✗ 3. NCH : LDE
 - ✗ 4. RNQ : PON

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. GNJ
 - ✗ 2. AHD
 - ✗ 3. DKG
 - ✓ 4. RYV

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 fuses are wires.
No wire is a battery.

Conclusions:

(I) Some fuses are batteries.

(II) Some wires are fuses.

- 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 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. Son
 - ☐ 2. Mother
 - ☒ 3. Sister
 - ☐ 4. Daughter



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



Test Center Name	Gyansthal Mahavidyalaya
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which Constitutional Amendment granted constitutional status to the Panchayati Raj system in India?

- Ans**
- ☐ 1. 74th Constitutional Amendment Act, 1992
 - ☐ 2. 42nd Constitutional Amendment Act, 1976
 - ☐ 3. 97th Constitutional Amendment Act, 2011
 - ☒ 4. 73rd Constitutional Amendment Act, 1992

Q.2 Which cutting-edge cancer treatment, jointly developed by IIT-Bombay and Tata Memorial Centre, received DCGI clearance for Phase-1 trials in December 2024?

- Ans**
- ☐ 1. siRNA nanotherapy
 - ☒ 2. CAR-T cell therapy
 - ☐ 3. CRISPR-Cas9 gene editing
 - ☐ 4. Oncolytic viral therapy

Q.3 Which of the coastal plain is called the 'Hexadeltaic region' or the 'Gift of Six Rivers'?

- Ans**
- ☐ 1. Coastal plain of Karnataka
 - ☐ 2. Coastal plain of Andhra Pradesh
 - ☒ 3. Coastal plain of Odisha
 - ☐ 4. Coastal plain of Tamil Nadu

Q.4 India achieved a historic milestone by winning the presidency of which international organisation for the first time through a ballot process?

- Ans**
- ☐ 1. United Nations Development Programme (UNDP)
 - ☒ 2. International Institute of Administrative Sciences (IIAS)
 - ☐ 3. International Labour Organization (ILO)
 - ☐ 4. World Health Organization (WHO)

Q.5 Which law provides for reservation in education and employment to Economically Weaker Sections (EWS)?

- Ans**
- ✓ 1. 103rd Constitutional Amendment
 - ✗ 2. 102nd Constitutional Amendment
 - ✗ 3. 100th Constitutional Amendment
 - ✗ 4. 104th Constitutional Amendment

Q.6 The UN Ocean Conference 2025 is scheduled to be held in which city?

- Ans**
- ✓ 1. Nice, France
 - ✗ 2. Lisbon, Portugal
 - ✗ 3. Vancouver, Canada
 - ✗ 4. Sydney, Australia

Q.7 Which ministry releases the Performance Grading Index (PGI) 2.0 to assess the performance of states and union territories in school education?

- Ans**
- ✗ 1. Ministry of Social Justice and Empowerment
 - ✗ 2. Ministry of Women and Child Development
 - ✗ 3. Ministry of Skill Development and Entrepreneurship
 - ✓ 4. Ministry of Education

Q.8 Which of the following can have higher optical density but lower mass density?

- Ans**
- ✗ 1. Water
 - ✓ 2. Turpentine
 - ✗ 3. Germanium
 - ✗ 4. Glass

Q.9 Which of the following steps correctly describes how to rename a file or folder using the File menu?

- Ans**
- ✗ 1. Select the folder → Press Delete → Type new name
 - ✗ 2. Right-click the folder → Select Copy → Rename
 - ✗ 3. Open the folder → Click View → Rename → Type new name
 - ✓ 4. Select the file/folder → Click File → Rename → Type new name → Press Enter

Q.10 The Waqf (Amendment) Bill, 2025 amended which Act to address issues and challenges in the regulation and management of waqf properties?

- Ans**
- ✗ 1. Wakf Act, 1954
 - ✗ 2. Mussalman Wakf Act, 1923
 - ✗ 3. Mussalman Wakf Validating Act, 1930
 - ✓ 4. Waqf Act, 1995

Q.11 What was India's rank on the World Press Freedom Index in 2025, showing improvement from the previous year?

- Ans**
- ✗ 1. 140th
 - ✓ 2. 151st
 - ✗ 3. 165th
 - ✗ 4. 159th

Q.12 In which of the following years did Sri Aurobindo resign from his post in Baroda and move to Calcutta, where he soon became one of the leaders of the Nationalist movement?

- Ans
- ☐ 1. 1916
 - ☒ 2. 1906
 - ☐ 3. 1914
 - ☐ 4. 1910

Q.13 What was the name of the bilateral naval exercise held between India and Russia in the Bay of Bengal and Chennai from 28 March to 2 April 2025?

- Ans
- ☐ 1. BRAHMA
 - ☐ 2. SHAKTI
 - ☐ 3. VARUNA
 - ☒ 4. INDRA

Q.14 What is the most common cause of tsunamis?

- Ans
- ☒ 1. Undersea earthquakes
 - ☐ 2. Volcanic eruptions only
 - ☐ 3. Excessive rainfall and flooding
 - ☐ 4. Cyclones and high tides

Q.15 In which of the following volumes of Akbar Nama, Akbar's administration, household, army, the revenues and the geography of his empire is discussed by Abul Fazl?

- Ans
- ☐ 1. Only first volume
 - ☒ 2. Only third volume
 - ☐ 3. Both first and second volume
 - ☐ 4. Both second and third volume

Q.16 Which sector witnessed the slowest growth during the period of 1947 to 1991?

- Ans
- ☐ 1. Service sector
 - ☐ 2. Industrial sector
 - ☒ 3. Agricultural sector
 - ☐ 4. Infrastructure sector

Q.17 Which of the following was a key feature of Article 370 that granted special status to Jammu and Kashmir before its abrogation in 2019?

- Ans
- ☐ 1. Jammu and Kashmir could not be included in the First Schedule of the Constitution.
 - ☐ 2. Jammu and Kashmir had no representation in the Lok Sabha.
 - ☒ 3. Parliament needed the state government's concurrence to legislate on Union List matters for Jammu and Kashmir.
 - ☐ 4. The provisions of the Directive Principles of State Policy were fully enforceable in the state.

Q.18 What is the percentage of urban population in India according to Census 2011?

- Ans
- ☐ 1. 35.3%
 - ☐ 2. 39.40%
 - ☒ 3. 31.2%
 - ☐ 4. 36.4%

Q.19 What was the total number of medals won by India at the 2025 Special Olympics World Winter Games held in Turin, Italy?

- Ans**
- ☒ 1. 33
 - ☐ 2. 34
 - ☐ 3. 36
 - ☐ 4. 31

Q.20 Which of the following correctly describes India's foreign trade structure at the time of independence?

- Ans**
- ☐ 1. Complete trade isolation
 - ☒ 2. Export of raw materials and import of manufactured goods
 - ☐ 3. Balanced trade
 - ☐ 4. High exports of finished goods

Q.21 What is the term used for a substance that reduces the rate of a chemical reaction?

- Ans**
- ☐ 1. Catalyst
 - ☐ 2. Reactant
 - ☐ 3. Product
 - ☒ 4. Inhibitor

Q.22 Which of the following Directive Principles of State Policy is stated under Article 48A of the Indian Constitution?

- Ans**
- ☐ 1. Legal aid for weaker sections
 - ☐ 2. Organisation of village panchayats
 - ☐ 3. Raising the level of nutrition
 - ☒ 4. Protection and improvement of the environment

Q.23 Which airline launched its Centre of Digital Innovation in 2025?

- Ans**
- ☒ 1. Air India
 - ☐ 2. Akasa Air
 - ☐ 3. Go First
 - ☐ 4. Vistara

Q.24 The Indian Institute of Spices Research (IISR), Kozhikode, has developed a light-coloured turmeric variety named:

- Ans**
- ☐ 1. IISR Sona
 - ☒ 2. IISR Surya
 - ☐ 3. IISR Pitambar
 - ☐ 4. IISR Suraj

Q.25 As per the Census of India data, the overall population density of India in 2011 was:

- Ans**
- ☒ 1. 382 persons/km²
 - ☐ 2. 450 persons/km²
 - ☐ 3. 325 persons/km²
 - ☐ 4. 500 persons/km²

Q.26 What is the tenure of a Union Public Service Commission (UPSC) member?

- Ans**
- ☒ 1. 6 years or till they attain the age of 65 years
 - ☐ 2. No fixed tenure
 - ☐ 3. 5 years or till they attain the age of 65 years
 - ☐ 4. 4 years or till they attain the age of 60 years

Q.27 Which Indian organisation is organising a three-day cultural event at New York's Lincoln Center in September 2025 to showcase Indian arts and heritage?

- Ans**
- ☐ 1. Indian Council for Cultural Relations
 - ☐ 2. Sangeet Natak Akademi
 - ☐ 3. National School of Drama
 - ☒ 4. Nita Mukesh Ambani Cultural Centre

Q.28 The Regulating Act of 1773 stipulated that a Supreme Court be established in Calcutta with one Chief Justice and _____.

- Ans**
- ☒ 1. three additional justices
 - ☐ 2. four additional justices
 - ☐ 3. two additional justices
 - ☐ 4. six additional justices

Q.29 What is one key indicator of economic development that showed consistent improvement in India post 1991?

- Ans**
- ☒ 1. Foreign exchange reserves
 - ☐ 2. Black money
 - ☐ 3. Fiscal deficit
 - ☐ 4. Infant mortality rate

Q.30 Who among the following compiled the Mrga-pasi-sastra in the 13th century, which provided an account of beasts and birds of hunting?

- Ans**
- ☐ 1. Jahangir
 - ☒ 2. Hamsadeva
 - ☐ 3. Akbar
 - ☐ 4. Mansur

Q.31 In humans, which blood vessels carry oxygen-rich blood away from the heart to all the body parts?

- Ans**
- ☐ 1. Capillaries
 - ☒ 2. Arteries
 - ☐ 3. Veins
 - ☐ 4. Venules

Q.32 Which of the following is a common feature of Dravidian temples?

- Ans**
- ☐ 1. Flat roof
 - ☒ 2. Gopuram
 - ☐ 3. Shikhara
 - ☐ 4. Pillar-less halls

Q.33 Which Indian philanthropist organised a cultural extravaganza at New York's Lincoln Center in 2025?

- Ans**
- ☐ 1. Kiran Nadar
 - ☐ 2. Sudha Murthy
 - ☒ 3. Nita Ambani
 - ☐ 4. Sangita Jindal

Q.34 The Mediterranean region is best known for which type of vegetation?

- Ans**
- ☐ 1. Mangroves
 - ☐ 2. Coniferous forests
 - ☒ 3. Scrub and drought-resistant trees
 - ☐ 4. Deciduous forests

Q.35 The popular folk art of Phad painting is traditionally associated with which of the following Indian states?

- Ans**
- ☒ 1. Rajasthan
 - ☐ 2. Maharashtra
 - ☐ 3. Madhya Pradesh
 - ☐ 4. Gujarat

Q.36 Miriyala Apparao, recipient of the Padma Shri (posthumous) in 2025, a pioneering figure in the field of Burrakatha (traditional storytelling), belonged to which Indian state?

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

Q.37 Which shortcut key combination is used to save a file quickly?

- Ans**
- ☐ 1. Ctrl + F
 - ☐ 2. Ctrl + C
 - ☒ 3. Ctrl + S
 - ☐ 4. Ctrl + V

Q.38 Who among the following was proclaimed as the leader of the revolt by the rebels during the First War of Independence, 1857, against British oppression?

- Ans**
- ☐ 1. Nana Saheb
 - ☐ 2. Rani Laxmibai
 - ☒ 3. Bahadur Shah Zafar
 - ☐ 4. Shah Alam II

Q.39 Which sector dominated India's national income before independence?

- Ans**
- ☐ 1. Trade and transport
 - ☐ 2. Banking
 - ☒ 3. Agriculture
 - ☐ 4. Industry

Q.40 Which of the following Indian states has the highest elevation point in India (excluding POK)?

- Ans**
- ☐ 1. Uttarakhand
 - ☐ 2. Arunachal Pradesh
 - ☒ 3. Sikkim
 - ☐ 4. Himachal Pradesh

Section : Mathematics

Q.1 If 5 times a son's age is added to his father's age, the sum is 42 years. If 2.8 times the father's age is added to the son's age, the sum is 76 years. What is the father's age (in years)?

- Ans**
- ☐ 1. 31
 - ☒ 2. 26
 - ☐ 3. 21
 - ☐ 4. 30

Q.2 The LCM of the numbers 4.9 and 0.008 is:

- Ans
- ☐ 1. 0.098
 - ☐ 2. 98
 - ☒ 3. 9.8
 - ☐ 4. 0.98

Q.3 Simplify: $\operatorname{cosec}\theta(1 - \cos\theta)(\operatorname{cosec}\theta + \cot\theta)$

- Ans
- ☐ 1. $\cos\theta$
 - ☐ 2. -1
 - ☐ 3. $\sin\theta$
 - ☒ 4. 1

Q.4 The product of two positive numbers is 1805. If the first number is five times the second number, then the sum of the two numbers is:

- Ans
- ☐ 1. 107
 - ☐ 2. 126
 - ☐ 3. 127
 - ☒ 4. 114

Q.5 A number, when increased by 100%, gives 2810. The number is:

- Ans
- ☒ 1. 1405
 - ☐ 2. 4215
 - ☐ 3. 702.5
 - ☐ 4. 2810

Q.6 A shopkeeper marked a toy car at ₹850 and sold it by allowing 15% discount, thereby gaining 25%. Find the cost price of the toy car.

- Ans
- ☒ 1. ₹578
 - ☐ 2. ₹662
 - ☐ 3. ₹638
 - ☐ 4. ₹723

Q.7 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 11^\circ$, then $\angle ACD$ (in degree) is:

- Ans
- ☐ 1. 11
 - ☐ 2. 34
 - ☒ 3. 26
 - ☐ 4. 37

Q.8 The HCF and the LCM of two numbers are 4 and 2600, respectively. If one of the numbers is 104, find the other one.

- Ans
- ☐ 1. 250
 - ☐ 2. 200
 - ☐ 3. 50
 - ☒ 4. 100

Q.9 Pipe A can fill a tank in 13 hours, pipe B can fill the same tank in 26 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. $4\frac{57}{77}$ hours

☐ 2. $8\frac{57}{77}$ hours

☒ 3. $5\frac{57}{77}$ hours

☐ 4. $9\frac{57}{77}$ hours

Q.10 The number 476643 is divisible by which of the following?

Ans

☐ 1. 2

☐ 2. 8

☒ 3. 3

☐ 4. 4

Q.11 The income of Raman is ₹44,000. He saves 18.5% of his income. If his income increases by 17% and expenditure increases by 40%, then his savings will:

Ans

☐ 1. increase by ₹6,859

☐ 2. decrease by ₹6,860

☒ 3. decrease by ₹6,864

☐ 4. increase by ₹6,862

Q.12 A laptop is marked at ₹50,000. A shopkeeper offers a festival discount of 10%, followed by an additional discount of 8% on the reduced price. What is the final selling price of the laptop?

Ans

☐ 1. ₹42,000

☐ 2. ₹42,200

☒ 3. ₹41,400

☐ 4. ₹41,800

Q.13 Simplify the following.

$$3\left(\left(\frac{7}{3}\right)x^2 - 25x + 12\right) - 7(x^2 + 8x - 16)$$

Ans

☐ 1. $131x - 148$

☐ 2. $131x + 148$

☒ 3. $-131x + 148$

☐ 4. $-131x - 148$

Q.14 Find the value of $55^{-6} \div 55^5 \times 55^{-8}$.

Ans

☒ 1. 55^{-19}

☐ 2. 55^{-20}

☐ 3. 55^{-17}

☐ 4. 55^{-13}

Q.15 I bought two shirts for ₹1,200. I sold the first one at a loss of 7% and the second at a gain of 28%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first shirt.

- Ans**
- ☐ 1. 984
 - ☐ 2. 980
 - ☐ 3. 944
 - ☒ 4. 960

Q.16 The simple interest on a certain sum for $4\frac{2}{9}$ years at the rate of 4.5%
What will be the amount payable on the same sum at the rate of 5.5%



- Ans**
- ☐ 1. ₹53,091
 - ☐ 2. ₹53,083
 - ☒ 3. ₹53,097
 - ☐ 4. ₹53,089

Q.17 If the volume of the cuboid is 440 cm^3 and the area of its base is 88 cm^2 , the height of the cuboid is:

- Ans**
- ☐ 1. 2 cm
 - ☐ 2. 44 cm
 - ☐ 3. 8 cm
 - ☒ 4. 5 cm

Q.18 A man goes to Lucknow from Kanpur at a speed of 15 km/hr and returns to Kanpur at speed of 30 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans**
- ☒ 1. 20
 - ☐ 2. 14
 - ☐ 3. 22
 - ☐ 4. 19

Q.19 ₹37,600 were divided among A, B and C such that 4 times of A = 6 times of B = 7 times of C. Find the share of A.

- Ans**
- ☐ 1. ₹17,000
 - ☒ 2. ₹16,800
 - ☐ 3. ₹17,200
 - ☐ 4. ₹16,600

Q.20 The average of first 148 odd natural numbers, is:

- Ans**
- ☒ 1. 148
 - ☐ 2. 148.5
 - ☐ 3. 149
 - ☐ 4. 147.5

Q.21 The length of the base of a triangle is 2 cm more than the corresponding height. If the area of the triangle is 220 cm^2 , then find the length of the base of the triangle.

- Ans**
- ☒ 1. 22 cm
 - ☐ 2. 18 cm
 - ☐ 3. 26 cm
 - ☐ 4. 24 cm

Q.22 The median of the observations 6, 48, 32, 3, 37 and 18 is:

- Ans
- ☐ 1. 30
 - ☒ 2. 25
 - ☐ 3. 27
 - ☐ 4. 32

Q.23 What smallest number should be added to 63130 so that the sum is completely divisible by 13?

- Ans
- ☐ 1. 9
 - ☒ 2. 11
 - ☐ 3. 8
 - ☐ 4. 13

Q.24 A, B and C invested a sum in the ratio of 72 : 12 : 36, respectively. If they earned a total profit of ₹3,560 at the end of year, what is the difference between the shares of B and C?

- Ans
- ☐ 1. ₹620
 - ☐ 2. ₹610
 - ☐ 3. ₹722
 - ☒ 4. ₹712

Q.25 The value of $\sqrt{289} + \sqrt{0.0324} - \sqrt{4.41}$ is _____.

- Ans
- ☐ 1. 6.9
 - ☐ 2. 13.69
 - ☒ 3. 15.08
 - ☐ 4. 8.28

Q.26 9 men can complete a piece of work in 8 days, while 4 women can do it in 9 days. In how many days can 2 women and 4 men complete this work?

- Ans
- ☐ 1. 11 days
 - ☐ 2. 8 days
 - ☐ 3. 6 days
 - ☒ 4. 9 days

Q.27 By selling an article at $\frac{4}{10}$ of its actual selling price, Nirbhay incurs a loss

If he sells it at 82% of its actual selling price, then the profit percentage is _____.

- Ans
- ☐ 1. 49.5%
 - ☒ 2. 47.6%
 - ☐ 3. 50.3%
 - ☐ 4. 48.8%

Q.28 If the third proportional of 28 and 70 be x, then what is the value of x?

- Ans
- ☒ 1. 175
 - ☐ 2. 174
 - ☐ 3. 173
 - ☐ 4. 172

Q.29 Train A leaves station M at 6:35 AM and reaches station N at 3:35 PM on the same day. Train B leaves station N at 8:35 AM and reaches station M at 2:35 PM on the same day. Find the time when trains A and B meet.

- Ans**
- ☐ 1. 11:43 AM
 - ☐ 2. 11:03 AM
 - ☒ 3. 11:23 AM
 - ☐ 4. 12:23 PM

Q.30 What sum of money (in ₹) will amount to ₹2,280 at 5% per annum simple interest in 5 years?

- Ans**
- ☐ 1. ₹1,874
 - ☐ 2. ₹1,774
 - ☐ 3. ₹9,120
 - ☒ 4. ₹1,824

Section : General Intelligence and Reasoning

Q.1 AGPV is related to DKSZ in a certain way based on the English alphabetical order. In the same way, MWBL is related to PAEP. To which of the given options is VIKX related, following the same logic?

- Ans**
- ☒ 1. YMNB
 - ☐ 2. TBNH
 - ☐ 3. YBNM
 - ☐ 4. YMBN

Q.2 Each of the digits in the number 8234619 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. Five
 - ☐ 3. Four
 - ☐ 4. Six

Q.3 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. Exactly two boxes are kept between G and F. E is kept immediately above A. No box is kept below F. How many boxes are kept above D?

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

Q.4 Navjyot ranked 15th from the bottom and 19th from the top in his class. How many students are there in his class?

- Ans**
- ☒ 1. 33
 - ☐ 2. 34
 - ☐ 3. 31
 - ☐ 4. 32

Q.5 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

PGS : LBO
HWK : DRG

- Ans**
- ☐ 1. CAL : GVP
 - ☐ 2. QFM : VKP
 - ☐ 3. LHC : PEG
 - ☒ 4. XQA : TLW

Q.6 What should come in place of the question mark (?) in the given series?

12 13 15 19 27 ?

- Ans**
- ☐ 1. 44
 - ☐ 2. 48
 - ☐ 3. 45
 - ☒ 4. 43

Q.7 Seven boxes A, B, C, D, K, L and O are kept one over the other but not necessarily in the same order. Only four boxes are kept between B and D. Only C is kept above B. Only two boxes are kept between L and O. A is kept immediately above K. O is not kept immediately above A. Which box is kept fourth from the top?

- Ans**
- ☐ 1. C
 - ☐ 2. D
 - ☒ 3. A
 - ☐ 4. L

Q.8 Manish started from Point A and travelled 8 km towards the north. He then turned right and travelled 7 km. Then, he turned right and travelled 5 km. He then took a right and travelled 7 km and stopped at Point P. How far (shortest distance) and towards which direction should he drive to reach Point A? (All turns are 90-degree turns only.)

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

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. BZX
 - ☒ 2. YOU
 - ☐ 3. HFD
 - ☐ 4. TRP

Q.10 If + means $\times$, $\times$ means $\div$ and $\div$ means $+$, then what will come in the place of the question mark (?) in the following equation?

$26 + 14 - 2 \div 56 \times 7 = ?$

- Ans**
- ☐ 1. 10
 - ☒ 2. 6
 - ☐ 3. 14
 - ☐ 4. 21

Q.11 In a certain code language, 'keep it fun' is coded as 'tr cj ly' and 'lets have fun' is coded as 'mg ly ev'. How is 'fun' coded in the given language?

- Ans**
- ☐ 1. cj
 - ☐ 2. ev
 - ☒ 3. ly
 - ☐ 4. tr

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. KFH
 - ☒ 2. NIL
 - ☐ 3. UPR
 - ☐ 4. RMO

Q.13 Select the number from among the given options that can replace the question mark (?) in the following series.
174 152 134 120 110 ?

- Ans**
- ☐ 1. 100
 - ☐ 2. 90
 - ☒ 3. 104
 - ☐ 4. 94

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.)

(92, 6, 552)

(98, 5, 490)

- Ans**
- ☐ 1. (46, 9, 405)
 - ☐ 2. (52, 8, 438)
 - ☐ 3. (48, 6, 478)
 - ☒ 4. (84, 7, 588)

Q.15 What should come in place of the question mark (?) in the given series?

93 108 131 162 201 ?

- Ans**
- ☐ 1. 241
 - ☐ 2. 235
 - ☒ 3. 248
 - ☐ 4. 228

Q.16 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?

44 D 9 B 6 C 52 A 4 = ?

- Ans**
- ☐ 1. 21
 - ☒ 2. 3
 - ☐ 3. 14
 - ☐ 4. 8

Q.17 In a certain code language, 'BALD' is coded as '6184' and 'LAMB' is coded as '4136'. What is the code for 'M' in the given code language?

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

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 conclusions logically follow(s) from the statements.

Statements:

All bears are ants.

No bear is a horse.

Conclusions:

(I) No ant is a horse.

(II) No horse is a bear.

- 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.19 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $45 + 5 \div 5 \times 6 - 3 + 24 \times 9 \div 3 \times 2 = ?$

- Ans**
- ☐ 1. 260
 - ☐ 2. 198
 - ☒ 3. 276
 - ☐ 4. 246

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. JN-QG
 - ☐ 2. MQ-TK
 - ☐ 3. DH-KB
 - ☐ 4. GK-NE

Q.21 H, I, J, P, Q, R and S are sitting around a circular table facing the centre of the table. P sits third to the left of Q. R sits second to the left of S. Q is an immediate neighbour of both I and R. H is not an immediate neighbour of P. How many people sit between J and R when counted from the right of J?

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

Q.22 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

VOR TMP RKN PIL ?

- Ans** ☒ 1. NGJ
☐ 2. NGI
☐ 3. NHJ
☐ 4. NHI

Q.23 Shivam starts from point X and drives 12 km towards the east. He then takes a left turn, drives 5 km, turns right and drives 5 km. He then takes a right turn and drives 2 km. He then takes a right turn, drives 7 km. He then takes a left turn and drives 10 km. He then takes a final right turn and drives 10 km and stops at point Z. How far and towards which direction should he drive in order to reach point X again? (All turns are 90 degrees unless specified)

- Ans** ☐ 1. 7 km south
☐ 2. 5 km south
☒ 3. 7 km north
☐ 4. 10 km north

Q.24 Seven people, T, U, V, W, X, Y and D, are sitting around a circular table facing the centre of the table. Only two people sit between X and U when counted from the right of X. Only three people sit between Y and W when counted from the right of W. U sits to the immediate right of W. D sits to the immediate right of T. Who sits fourth to the right of V?

- Ans** ☒ 1. D
☐ 2. T
☐ 3. X
☐ 4. U

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 conclusions logically follow(s) from the statements.

Statements: All game are ludo. All ludo are drum.

Conclusions (I): Some drum are ludo.

Conclusions (II): All game are drum.

- 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 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 ^ * # 0 2 4 @ % 9 \$ % 3 > @ 7 & * (Right)

If all the numbers are dropped from the series, which of the following will be sixth from the left?

- Ans** ☒ 1. \$
☐ 2. @
☐ 3. %
☐ 4. #

Q.27 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 % @ 7 \$ & 1 # Ω 3 @ 8 * £ 5 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. More than two
 - ☒ 4. One

Q.28 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 - C x D'?

- Ans**
- ☐ 1. Husband
 - ☒ 2. Wife's sister's husband
 - ☐ 3. Sister's husband
 - ☐ 4. Son

Q.29 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.

PACK - AKCP - KCAP

FOLD - ODLF - DLOF

- Ans**
- ☐ 1. APES - AEPS - SEPA
 - ☐ 2. SUIT - USIT - TUIS
 - ☐ 3. BELT - EBLT - TELB
 - ☒ 4. CLAP - LPAC - PALC

Q.30 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

IVP 16 HQM 5 GLJ -6 ? EBD -28

- Ans**
- ☐ 1. GHI -30
 - ☐ 2. BHJ 19
 - ☒ 3. FGG -17
 - ☐ 4. HJI 21



सत्यमेव जयते

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 Center Name	Aadarsh Pariksha Kendra CENTER C - Gate No 2 - Noida Sector 64
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 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 Concurrent List.
 - ☒ 2. It is a subject in the State List.
 - ☒ 3. It is a subject in the Union List.
 - ☒ 4. It falls under the Residuary (Union) List.

Q.2 Which of the following elements is classified as a lanthanoid group element?

- Ans
- ☒ 1. Yttrium
 - ☒ 2. Actinium
 - ☒ 3. Cerium
 - ☒ 4. Scandium

Q.3 Which country became a full member of BRICS in January 2025?

- Ans
- ☒ 1. Egypt
 - ☒ 2. Indonesia
 - ☒ 3. Argentina
 - ☒ 4. Nigeria

Q.4 What is the time limit to receive information from a public authority under the RTI Act?

- Ans
- ☒ 1. 45 days
 - ☒ 2. 15 days
 - ☒ 3. 60 days
 - ☒ 4. 30 days

Q.5 Which of the following subjects is NOT under the control of the Delhi Legislative Assembly, according to the Constitution?

- Ans
- ☒ 1. Electricity
 - ☒ 2. Public order
 - ☒ 3. Public health
 - ☒ 4. Education

Q.6 What is the study of heredity and variation called?

- Ans**
- ☐ 1. Evolution
 - ☐ 2. Mutation
 - ☒ 3. Genetics
 - ☐ 4. Biology

Q.7 Which of the following is NOT a part of urban transport infrastructure?

- Ans**
- ☐ 1. Highways
 - ☐ 2. Metro systems
 - ☒ 3. Irrigation canals
 - ☐ 4. Rail networks

Q.8 Which region witnessed the strongest violence and martial law enforcement during the Rowlatt Satyagraha?

- Ans**
- ☐ 1. Bihar
 - ☐ 2. Bengal
 - ☒ 3. Punjab
 - ☐ 4. Gujarat

Q.9 What is the spatial resolution of the Bharat Forecasting System (BFS) launched in May 2025?

- Ans**
- ☐ 1. 3 kilometres
 - ☒ 2. 6 kilometres
 - ☐ 3. 10 kilometres
 - ☐ 4. 12 kilometres

Q.10 The 1962 Sino-Indian War was primarily fought over which geographical region?

- Ans**
- ☒ 1. Himalayan Border
 - ☐ 2. Indo-Gangetic Plain
 - ☐ 3. Brahmaputra Valley
 - ☐ 4. Deccan Plateau

Q.11 Who among the following became India's first Grandmaster in chess in 1988?

- Ans**
- ☐ 1. R Pragganandhaa
 - ☐ 2. Dibyendu Barua
 - ☐ 3. Pentala Harikrishna
 - ☒ 4. Viswanathan Anand

Q.12 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. Cartosat-3
 - ☐ 2. RISAT-2BR2
 - ☒ 3. EOS-09
 - ☐ 4. INSAT-3DS

Q.13 Which of the following government bodies is responsible for disaster response and management at the national level in India?

- Ans**
- ☒ 1. NDMA
 - ☐ 2. NITI Aayog
 - ☐ 3. SDRF
 - ☐ 4. IRDA

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. Superposition Principle
 - ☐ 2. Doppler's Principle
 - ☒ 3. Huygens' Principle
 - ☐ 4. Fermat's Principle

Q.15 Where was the 2025 Southeast Asia Regional Forum of Organisation for Economic Co-operation and Development (OECD) held?

- Ans**
- ☐ 1. Manila, Philippines
 - ☐ 2. Kuala Lumpur, Malaysia
 - ☐ 3. Jakarta, Indonesia
 - ☒ 4. Bangkok, Thailand

Q.16 What is the name of the Super Expressway that links the metropolitan cities of New Delhi, Mumbai, Chennai and Kolkata?

- Ans**
- ☐ 1. National Highway 44
 - ☐ 2. North-South Corridor
 - ☐ 3. East-West Corridor
 - ☒ 4. Golden Quadrilateral

Q.17 Select the INCORRECT operating system used in computers and laptops.

- Ans**
- ☐ 1. Windows
 - ☒ 2. Android
 - ☐ 3. Unix
 - ☐ 4. Linux

Q.18 Who authored the book 'PMO: Prime Minister's Office through the Years' that was released in May 2025?

- Ans**
- ☒ 1. Himanshu Roy
 - ☐ 2. Nayab Singh Saini
 - ☐ 3. Jagdeep Dhankhar
 - ☐ 4. Manohar Lal Khattar

Q.19 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. Garden Reach Shipbuilders & Engineers Ltd.
 - ☐ 2. Bharat Electronics Limited
 - ☒ 3. Bharat Dynamics Limited
 - ☐ 4. Armoured Vehicles Nigam Ltd.

Q.20 Which of the following cities hosted the 19th Pravasi Bharatiya Divas (PBD) Convention held in January 2025?

- Ans**
- ☐ 1. Indore
 - ☐ 2. Varanasi
 - ☐ 3. Bengaluru
 - ☒ 4. Bhubaneswar

Q.21 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. Securities and Exchange Board of India (SEBI)
 - ☐ 3. National Financial Reporting Authority (NFRA)
 - ☒ 4. Reserve Bank of India (RBI)

Q.22 The opening of which of the following canals intensified British control over India's foreign trade?

- Ans**
- ☒ 1. Suez Canal
 - ☐ 2. Conolly Canal
 - ☐ 3. Buckingham Canal
 - ☐ 4. Munak Canal

Q.23 Which harmful social practice was banned in 1829 by Lord Bentinck during the British rule in India?

- Ans**
- ☐ 1. Child marriage
 - ☐ 2. Polygamy
 - ☒ 3. Sati
 - ☐ 4. Dowry

Q.24 Employment patterns during 1947-1991 showed limited diversification. Which sector employed the largest share of India's workforce throughout this period?

- Ans**
- ☐ 1. Secondary sector
 - ☐ 2. Services sector
 - ☒ 3. Agriculture
 - ☐ 4. Infrastructure

Q.25 Which of the following Jain councils was held at Vallabhi (Gujarat) in 512 CE under the chairmanship of Devardhi Kshamasramana?

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

Q.26 Which railway safety system did India begin implementing nationwide, covering 3,500 km in 2025 at a cost of ₹1,700 crore?

- Ans**
- ☐ 1. GPS-based Tracking System
 - ☐ 2. Namo Bharat Signalling System
 - ☒ 3. Kavach Automatic Train Protection
 - ☐ 4. Nationwide Railway Safety System

Q.27 Which of the following ranges separates the Kashmir Valley from the rest of the Himalayan region?

- Ans**
- ☒ 1. Pir Panjal
 - ☐ 2. Ladakh
 - ☐ 3. Zaskar
 - ☐ 4. Karakoram

Q.28 Which Constitutional Amendment introduced the Goods and Services Tax (GST) in India?

- Ans**
- ☐ 1. One Hundredth Amendment Act, 2015
 - ☒ 2. One Hundred and First Amendment Act, 2016
 - ☐ 3. Ninety-ninth Amendment Act, 2015
 - ☐ 4. One Hundred and Second Amendment Act, 2018

Q.29 Which of the following texts is considered the earliest Tamil grammar work?

- Ans**
- ☒ 1. Tolkappiyam
 - ☐ 2. Manimekalai
 - ☐ 3. Kural
 - ☐ 4. Silappadikaram

Q.30 Which company became the first in India to develop steel pipes for hydrogen transportation?

- Ans**
- ☐ 1. Jindal Steel & Power
 - ☐ 2. Hindalco Industries
 - ☒ 3. Tata Steel
 - ☐ 4. SAIL

Q.31 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. A deep-sea basin around 60 km west of Mumbai in the Arabian Sea
 - ☐ 2. An offshore reef near the Andaman Islands in the Bay of Bengal region
 - ☐ 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.32 The Monetary Policy Committee (MPC) was established to formalise inflation targeting. How many members constitute India's MPC?

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

Q.33 In Jain religion, the Svetarnbara canon consists of how many of Agamas?

- Ans**
- ☐ 1. 35
 - ☐ 2. 6
 - ☒ 3. 45
 - ☐ 4. 12

Q.34 Which of the following indicators is NOT included in the Multidimensional Poverty Index (MPI)?

- Ans**
- ☐ 1. Nutrition
 - ☒ 2. Monthly Per Capita Expenditure
 - ☐ 3. Years of Schooling
 - ☐ 4. Electricity Access

Q.35 How many individuals were conferred the Padma Awards in 2025?

- Ans**
- ☐ 1. 113
 - ☐ 2. 150
 - ☒ 3. 139
 - ☐ 4. 120

Q.36 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.37 Announced in 2025, what type of engine is ISRO designing for Next Generation Launch Vehicle (NGLV)?

- Ans**
- ✓ 1. LOX-Methane engine
 - ✗ 2. Cryogenic solid fuel engine
 - ✗ 3. Hydrogen-fueled engine
 - ✗ 4. LOX-Kerosene hybrid engine

Q.38 Which of the following Articles deals with the amendment procedure of the Constitution?

- Ans**
- ✗ 1. Article 300
 - ✗ 2. Article 208
 - ✗ 3. Article 370
 - ✓ 4. Article 368

Q.39 What geographic feature primarily controls the eastern boundary of the Indian Desert?

- Ans**
- ✗ 1. Satpura Hills
 - ✗ 2. Western Ghats
 - ✓ 3. Aravalli Hills
 - ✗ 4. Vindhya Range

Q.40 What does GUI stand for in an operating system context?

- Ans**
- ✗ 1. General User Instruction
 - ✗ 2. Graphical Unix Integration
 - ✓ 3. Graphical User Interface
 - ✗ 4. Global Utility Interface

Section : Mathematics

Q.1 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. ₹750
 - ✗ 2. ₹706
 - ✗ 3. ₹742
 - ✗ 4. ₹676

Q.2 The selling price of 22 books is equal to the cost price of 11 books. Find the loss or gain percentage.

- Ans**
- ✗ 1. $\frac{100}{11}\%$ gain
 - ✗ 2. $\frac{100}{11}\%$ loss
 - ✗ 3. 50% gain
 - ✓ 4. 50% loss

Q.3 The simple interest on a certain sum for $6\frac{1}{2}$ years at the rate of 6.4%

What will be the amount payable on the same sum at the rate of 7.6%



- Ans**
- ☒ 1. ₹33,340
 - ☒ 2. ₹33,336
 - ☒ 3. ₹33,348
 - ☒ 4. ₹33,335

Q.4 The product of two consecutive natural numbers is 870. The greater of the two numbers is:

- Ans**
- ☒ 1. 30
 - ☒ 2. 38
 - ☒ 3. 21
 - ☒ 4. 41

Q.5 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.6 A hollow spherical shell is made of a metal of density 15 g/cm³. 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. 52.67
 - ☒ 4. 51.48

Q.7 Evaluate: $(-9) - (-60) \div (-6) + (-4) \times 6$

- Ans**
- ☒ 1. -42
 - ☒ 2. -46
 - ☒ 3. -45
 - ☒ 4. -43

Q.8 A table has a marked price of ₹8,000. A shopkeeper purchased it at ₹8,000 after spending ₹300 on transportation. Find his profit percent



- Ans**
- ☒ 1. $56\frac{44}{51}\%$
 - ☒ 2. $56\frac{42}{51}\%$
 - ☒ 3. $56\frac{43}{51}\%$
 - ☒ 4. $56\frac{45}{51}\%$

Q.9 An 8% discount and a 5% discount in succession is equivalent to a total discount of _____.

- Ans
- ☐ 1. 13.5%
 - ☒ 2. 12.6%
 - ☐ 3. 12.5%
 - ☐ 4. 13.4%

Q.10 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. 29.63
 - ☐ 2. 23.34
 - ☒ 3. 31.95
 - ☐ 4. 36.61

Q.11 By how much is 65% of 65 greater than $\frac{3}{5}$ of 25?

- Ans
- ☐ 1. 21.25
 - ☒ 2. 27.25
 - ☐ 3. 24.25
 - ☐ 4. 25.25

Q.12 Which of the following numbers divides 769501?

- Ans
- ☐ 1. 105
 - ☐ 2. 96
 - ☐ 3. 90
 - ☒ 4. 97

Q.13 The value of $\frac{5}{2} + \left(\frac{1}{1 + \frac{3}{8}} \right) - \frac{3}{5}$ is

- Ans
- ☐ 1. $\frac{284}{109}$
 - ☒ 2. $\frac{289}{110}$
 - ☐ 3. $\frac{290}{107}$
 - ☐ 4. $\frac{297}{118}$

Q.14 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. 12
 - ☐ 4. 14

Q.15 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. 9 km/hr
 - ☐ 2. 17 km/hr
 - ☒ 3. 18 km/hr
 - ☐ 4. 22 km/hr

Q.16 The average of first 154 odd natural numbers, is:

- Ans** ☒ 1. 154
☐ 2. 154.5
☐ 3. 155
☐ 4. 153.5

Q.17 Which of the following numbers divides 71,67,10,501?

- Ans** ☐ 1. 20
☐ 2. 16
☐ 3. 19
☒ 4. 13

Q.18 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. 9086
☐ 3. 9276
☒ 4. 9583

Q.19 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. 11
☐ 3. 12
☐ 4. 16

Q.20 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 8 months.

- Ans** ☐ 1. ₹64
☐ 2. ₹52
☒ 3. ₹32
☐ 4. ₹384

Q.21 Find the mean proportional between 16 and 256.

- Ans** ☒ 1. 64
☐ 2. 66
☐ 3. 63
☐ 4. 65

Q.22 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.23 The diagonals of a rectangle PQRS meet at O. If $\angle QOR = 36^\circ$, then find $\angle OPS$.

- Ans**
- ☐ 1. 54°
 - ☐ 2. 108°
 - ☐ 3. 144°
 - ☒ 4. 72°

Q.24 ₹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. ₹21,178
 - ☒ 3. ₹21,216
 - ☐ 4. ₹21,081

Q.25 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. 6 ft
 - ☐ 2. 5 ft
 - ☐ 3. 7 ft
 - ☐ 4. 4 ft

Q.26 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. 3 days
 - ☐ 2. 2 days
 - ☒ 3. 4 days
 - ☐ 4. 1 day

Q.27 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.28 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. ₹153.10
 - ☐ 2. ₹161.70
 - ☒ 3. ₹158.80
 - ☐ 4. ₹157.90

Q.29 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. $15\frac{25}{31}$ hours

☐ 2. $8\frac{25}{31}$ hours

☐ 3. $9\frac{25}{31}$ hours

☒ 4. $5\frac{25}{31}$ hours

Q.30 The value of $\sqrt{289} + \sqrt{0.0324} - \sqrt{7.29} =$

Ans

☐ 1. 12.59

☐ 2. 9.08

☒ 3. 14.48

☐ 4. 11.21

Section : General Intelligence and Reasoning

Q.1 What should come in place of the question mark (?) in the given series?

58 60 65 73 84 ?

Ans

☐ 1. 95

☐ 2. 89

☐ 3. 84

☒ 4. 98

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. UX-SW

☒ 2. RU-PS

☐ 3. MP-KO

☐ 4. PS-NR

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. FCY

☒ 2. LID

☐ 3. MJF

☐ 4. ROK

Q.4 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. 68
 - ☒ 2. 69
 - ☐ 3. 70
 - ☐ 4. 72

Q.5 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. 4 km to South
 - ☒ 2. 3 km to North
 - ☐ 3. 3 km to South
 - ☐ 4. 4 km to North

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 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. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (II) follows.
 - ☒ 4. Only conclusion (I) follows.

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

391 392 396 405 421 ?

- Ans**
- ☐ 1. 441
 - ☐ 2. 431
 - ☒ 3. 446
 - ☐ 4. 436

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

61 60 56 47 31 ?

- Ans**
- ☐ 1. 28
 - ☒ 2. 6
 - ☐ 3. 9
 - ☐ 4. 14

- 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 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. Neither conclusion (I) nor (II) follows.
☐ 4. Only conclusion (I) follows.

- Q.10** 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. mi
☐ 2. yt
☐ 3. ru
☒ 4. kj

- Q.11** 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. XAT 42
☐ 2. ZBR 45
☐ 3. ACR 43
☒ 4. ZCT 43

- Q.12** 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. SSI -6
☐ 2. STI -9
☒ 3. STJ -9
☐ 4. SSJ -6

- Q.13** 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. 8
☒ 3. 7
☐ 4. 6

- Q.14** 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. DJF : GGA
☐ 2. NGN : QJJ
☐ 3. MMX : PQS
☐ 4. JKY : MMT

Q.15 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 south
 - ☐ 2. 2 km west
 - ☒ 3. 3 km north
 - ☐ 4. 2 km north

Q.16 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. YVU
 - ☐ 2. YUVU
 - ☒ 3. YVWU
 - ☐ 4. YWVD

Q.17 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. Three
 - ☐ 3. One
 - ☐ 4. Two

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. OHM
 - ☐ 2. RKQ
 - ☐ 3. VOU
 - ☐ 4. TMS

Q.19 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. Three
 - ☐ 2. Two
 - ☐ 3. One
 - ☒ 4. Four

- Q.20** 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. Father's brother
☐ 3. Father's father
☒ 4. Mother's brother

- Q.21** Sheghal ranked 33rd from the top and 18th from the bottom in his class. How many students are there in his class?

- Ans** ☐ 1. 52
☐ 2. 53
☐ 3. 51
☒ 4. 50

- Q.22** If + means -, - means x, x 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. 22
☐ 4. 14

- Q.23** 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. 52, 23
☒ 2. 66, 33
☐ 3. 58, 19
☐ 4. 94, 48

- Q.24** 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. 1
☐ 2. 4
☐ 3. 3
☒ 4. 2

Q.25 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. Four
 - ☒ 2. Two
 - ☐ 3. Three
 - ☐ 4. One

Q.26 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $63 \times 9 \div 3 - 3 \times 24 + 22 \div 11 + 9 = ?$

- Ans**
- ☐ 1. 428
 - ☐ 2. 526
 - ☒ 3. 500
 - ☐ 4. 494

Q.27 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. FTF : ISI
 - ☒ 2. TNN : WMP
 - ☐ 3. WQJ : ZRL
 - ☐ 4. SUK : VTL

Q.28 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. 22
 - ☐ 2. 44
 - ☒ 3. 54
 - ☐ 4. 32

Q.29 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. Three
 - ☐ 3. None
 - ☐ 4. Two

Q.30 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



सत्यमेव जयते

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 Center Name	iON Digital Zone iDZ Tirunelveli
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 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. Requirement that all tribunal members be retired judges of High Courts
 - ☒ 2. The rule that tribunal decisions are not appealable to any court
 - ☒ 3. Establishment of administrative tribunals for service matters (which is in the Constitution)
 - ☒ 4. A fixed four-year tenure limit for tribunal members

Q.2 Which authority is the appellate body under the RTI Act?

- Ans**
- ☒ 1. National Human Rights Commission
 - ☒ 2. Lokpal
 - ☒ 3. Central Information Commission
 - ☒ 4. Chief Vigilance Commission

Q.3 Which Indian artist made his debut at Cannes 2025 by showcasing a watercolour inspired by India's diversity?

- Ans**
- ☒ 1. Paresh Maity
 - ☒ 2. Jitish Kallat
 - ☒ 3. Anish Kapoor
 - ☒ 4. Subodh Gupta

Q.4 Which irrigation method is considered most efficient for water conservation in agriculture?

- Ans**
- ☒ 1. Drip
 - ☒ 2. Furrow
 - ☒ 3. Sprinkler
 - ☒ 4. Flood

Q.5 In which sport did Deepika Kumari earn her 12th individual World Cup medal at the 2025 Shanghai World Cup?

- Ans**
- ☒ 1. Badminton
 - ☒ 2. Archery
 - ☒ 3. Table Tennis
 - ☒ 4. Shooting

Q.6 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. Sports Nutrition Research Lab
 - ☒ 3. Return to Play Facility
 - ☒ 4. Elite Coaching Analytics Centre

Q.7 Which site provides archaeological evidence of the earliest known urban civilisation in the Indian subcontinent with planned city structures?

- Ans**
- ☒ 1. Lothal
 - ☒ 2. Harappa
 - ☒ 3. Mehrgarh
 - ☒ 4. Kalibangan

Q.8 What defines land as "Culturable Wasteland" in land revenue records in India?

- Ans**
- ☒ 1. Land that is fallow for over five years
 - ☒ 2. Urban infrastructure land
 - ☒ 3. Land under tree crops
 - ☒ 4. Barren rocky land

Q.9 Which of the following Indian English writers created the fictional town of Malgudi?

- Ans**
- ☒ 1. RK Narayan
 - ☒ 2. Raja Rao
 - ☒ 3. Khushwant Singh
 - ☒ 4. Mulk Raj Anand

Q.10 Which Constitutional Amendment introduced a cap on the size of the State Council of Ministers?

- Ans**
- ☒ 1. 91st Constitutional Amendment Act, 2003
 - ☒ 2. 73rd Constitutional Amendment Act, 1992
 - ☒ 3. 61st Constitutional Amendment Act, 1988
 - ☒ 4. 42nd Constitutional Amendment Act, 1976

Q.11 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. Kesavananda Bharati vs. State of Kerala (1973)
 - ☒ 2. Minerva Mills vs. Union of India (1980)
 - ☒ 3. State of Tamil Nadu vs. Governor of Tamil Nadu (2023)
 - ☒ 4. SR Bommai vs. Union of India (1994)

Q.12 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.13 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 25 years
 - ☒ 2. Individuals between the ages of 15 and 35 years
 - ☐ 3. Individuals between the ages of 18 and 35 years
 - ☐ 4. Individuals between the ages of 25 and 55 years

Q.14 Which country held federal elections after the collapse of its coalition government amid economic unrest?

- Ans**
- ☐ 1. France
 - ☒ 2. Germany
 - ☐ 3. Spain
 - ☐ 4. Italy

Q.15 What is the name of India's newly launched high-resolution, fully indigenous weather prediction platform in May 2025?

- Ans**
- ☐ 1. Mausam 2.0
 - ☐ 2. VarshaNet
 - ☐ 3. IndraNet
 - ☒ 4. Bharat Forecast System

Q.16 Which of the following countries is located to the southeast of India?

- Ans**
- ☐ 1. Nepal
 - ☐ 2. Bhutan
 - ☐ 3. China
 - ☒ 4. Sri Lanka

Q.17 Which Indian sprinter won both the 100 m and 200 m titles at the Indian Open Athletics 2025?

- Ans**
- ☒ 1. Srabani Nanda
 - ☐ 2. Dutee Chand
 - ☐ 3. Archana Suseendran
 - ☐ 4. Hima Das

Q.18 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. Champaran Satyagraha
 - ☐ 3. Salt Satyagraha
 - ☐ 4. Rowlatt Act protest

Q.19 Which keyboard shortcut allows you to select multiple specific files or folders at once?

- Ans**
- ☐ 1. Alt + Click
 - ☒ 2. Ctrl + Click
 - ☐ 3. Tab + Click
 - ☐ 4. Shift + Click

Q.20 The Battle of Plassey 1757 was fought between the British forces led by Robert Clive and the Nawab of Bengal ____.

- Ans**
- ☐ 1. Alivardi Khan
 - ☐ 2. Sarfaraz Khan
 - ☐ 3. Shah Alam II
 - ☒ 4. Siraj-ud-Daula

Q.21 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. Jawaharlal Nehru
 - ☐ 2. Gopal Krishna Gokhale
 - ☒ 3. Dadabhai Naoroji
 - ☐ 4. Mahatma Gandhi

Q.22 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 against untouchability
 - ☐ 3. Right to culture and language
 - ☒ 4. Right to freedom of religion

Q.23 Human development also involves freedom, security and dignity in life. The first Human Development Report was published in which year?

- Ans**
- ☐ 1. 1995
 - ☐ 2. 1971
 - ☒ 3. 1990
 - ☐ 4. 1980

Q.24 Which DRDO-developed missile is India's first indigenous air-launched anti-ship missile?

- Ans**
- ☐ 1. BrahMos
 - ☐ 2. Varunastra
 - ☐ 3. Astra
 - ☒ 4. NASM-SR

Q.25 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. IIT Madras
 - ☒ 2. IIIT-Delhi
 - ☐ 3. IISc Bangalore
 - ☐ 4. IIT Bombay

Q.26 In which Indian state is Rushikonda Beach, which received the Blue Flag Beach certification in 2023, located?

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

Q.27 Which of the following architectural styles is predominantly associated with the Gateway of India in Mumbai?

- Ans**
- ☐ 1. Victorian Gothic
 - ☒ 2. Indo-Saracenic
 - ☐ 3. Art Deco
 - ☐ 4. Bauhaus

Q.28 The Paris Agreement is a significant agreement aimed at keeping global warming well below Celsius.

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

Q.29 Which of the following is true about the second frigate of Project 1135.6 named 'Tavasya'?

- Ans**
- ☐ 1. It was built in Russia and later transferred to India
 - ☒ 2. It was launched at Goa Shipyard Limited on 22 March 2025
 - ☐ 3. It is the first frigate of the follow-on order
 - ☐ 4. It has a displacement of approximately 4,500 tons

Q.30 What is the primary objective of the Dx-EDGE initiative launched in 2025?

- Ans**
- ☐ 1. To promote foreign investments in India
 - ☒ 2. To empower MSMEs with digital tools and knowledge
 - ☐ 3. To provide financial subsidies to large corporations
 - ☐ 4. To regulate e-commerce businesses

Q.31 Which of the following physical quantities has zero dimension in mass and time?

- Ans**
- ☐ 1. Force
 - ☐ 2. Work
 - ☒ 3. Volume
 - ☐ 4. Momentum

Q.32 Which of the following is the correct longitudinal extent of the Prime Meridian?

- Ans**
- ☐ 1. 180° E
 - ☒ 2. 0°
 - ☐ 3. 23.5° N
 - ☐ 4. 90° E

Q.33 In which of the following years was the first British East India Company founded in India?

- Ans**
- ☐ 1. 1588
 - ☐ 2. 1605
 - ☒ 3. 1600
 - ☐ 4. 1620

Q.34 Geological Survey of India (GSI) organised a Pan-India Walkathon in March 2025 under which theme?

- Ans**
- ☐ 1. Geoscience Innovating for Earth and People
 - ☒ 2. Geoscience for a Safe World
 - ☐ 3. Geoscience: Unlocking the Secrets of Climate Change
 - ☐ 4. Geoscience Everywhere

Q.35 What was the primary objective of the 88th Constitutional Amendment Act, 2003?

- Ans**
- ☐ 1. Formation of the NJAC
 - ☐ 2. Abolition of Privy Purses
 - ☐ 3. Introduction of GST
 - ☒ 4. Provision for Service Tax

Q.36 Which body was formed by Gandhi on 24 February 1919 to oppose the Rowlatt Act?

- Ans**
- ☒ 1. Satyagraha Sabha
 - ☐ 2. Khilafat Committee
 - ☐ 3. Swaraj Sabha
 - ☐ 4. Congress Committee

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. Digital India
 - ☒ 2. PMGDISHA
 - ☐ 3. BharatNet
 - ☐ 4. PM-WANI

Q.38 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. 1813
 - ☒ 4. 1824

Q.39 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. Forty-fourth Amendment Act, 1978
 - ☐ 4. Eighty-sixth Amendment Act, 2002

Q.40 How can you create a new folder in Windows?

- Ans**
- ☐ 1. By changing system date
 - ☐ 2. By opening Task Manager
 - ☒ 3. Using the right-click context menu
 - ☐ 4. By restarting the computer

Q.1 Find the value of: $47^{-11} \div 47^{16} \times 47^{-10}$

Ans ☐ 1. 47^{-44}

☐ 2. 47^{-27}

☐ 3. 47^{-35}

☒ 4. 47^{-37}

Q.2 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. 22% loss

☐ 3. 22% gain

☐ 4. $\frac{100}{11}\%$ loss

Q.3 The average of first 158 even numbers is

Ans ☐ 1. 158.5

☐ 2. 160

☒ 3. 159

☐ 4. 159.5

Q.4 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. 52

☐ 3. 54

☐ 4. 50

Q.5 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. 5.88 km

☐ 2. 6.29 km

☐ 3. 5.68 km

☐ 4. 6.91 km

Q.6 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. 7,599

☒ 2. 7,600

☐ 3. 7,603

☐ 4. 7,597

Q.7 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. 94

☒ 3. 21

☐ 4. 48

Q.8 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. 100 : 133
 - ✗ 2. 101 : 129
 - ✗ 3. 103 : 132
 - ✗ 4. 96 : 131

Q.9 A number when increased by 100% gives 2740. The number is:

- Ans**
- ✓ 1. 1370
 - ✗ 2. 4110
 - ✗ 3. 685
 - ✗ 4. 2740

Q.10 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. 79
 - ✗ 2. 86
 - ✓ 3. 85
 - ✗ 4. 91

Q.11 Solve the following:

$$(\operatorname{cosec} 23^{\circ} - \sin 23^{\circ})(\tan 23^{\circ} + \cot 23^{\circ})(\sec 23^{\circ} - \cos 23^{\circ})$$

- Ans**
- ✗ 1. $\tan 23^{\circ}$
 - ✓ 2. 1
 - ✗ 3. 0
 - ✗ 4. $\sin 23^{\circ}$

Q.12 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. 50000
 - ✗ 3. 49998
 - ✗ 4. 50003

Q.13 Isha can do a certain piece of work in 22 days. Isha and Smriti can together do the same work in 18 days. In how many days can Ashlesha do the same work together in 10 days. In how many days can Ashlesha do the same work together in 10 days.

- Ans**
- ✗ 1. $\frac{49}{4}$
 - ✓ 2. $\frac{55}{3}$
 - ✗ 3. $\frac{64}{3}$
 - ✗ 4. $\frac{61}{5}$

Q.14 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. $\frac{26}{209}$
 - ☐ 2. $\frac{24}{209}$
 - ☐ 3. $\frac{32}{209}$
 - ☒ 4. $\frac{29}{209}$

Q.15 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. ₹73,475
 - ☒ 2. ₹73,125
 - ☐ 3. ₹73,520
 - ☐ 4. ₹72,185

Q.16 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. 999685
 - ☐ 4. 999893

Q.17 Find the value of x satisfying: $2(4x^2 - 6) - 4(2x^2 + 9x - 3) = 18$

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

Q.18 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. ₹777
 - ☐ 2. ₹771
 - ☐ 3. ₹742
 - ☒ 4. ₹642

Q.19 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. 79°
 - ☒ 2. 73°
 - ☐ 3. 77°
 - ☐ 4. 76°

Q.20 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. 9.48
 - ☐ 2. 6.54
 - ☒ 3. 7.05
 - ☐ 4. 6.17

Q.21 The number 966181 is divisible by which of the following?

- Ans
- ☒ 1. 37
 - ☐ 2. 30
 - ☐ 3. 36
 - ☐ 4. 38

Q.22 The sum of the squares of two consecutive odd natural numbers is 34. The sum of the numbers is:

- Ans
- ☒ 1. 8
 - ☐ 2. 24
 - ☐ 3. 18
 - ☐ 4. 28

Q.23 Find the curved surface area of a sphere whose radius is 2.8 cm.

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

- Ans
- ☐ 1. 95.32 cm^2
 - ☒ 2. 98.56 cm^2
 - ☐ 3. 97.52 cm^2
 - ☐ 4. 91.28 cm^2

Q.24 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. ₹46,200
 - ☐ 2. ₹47,000
 - ☐ 3. ₹46,800
 - ☒ 4. ₹47,200

Q.25 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?

$\left(\text{Use } \pi = \frac{22}{7}, \text{ and round off your answer to the nearest gram.} \right)$

- Ans
- ☐ 1. 273
 - ☐ 2. 214
 - ☐ 3. 221
 - ☒ 4. 205

Q.26 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. ₹1,200
 - ☐ 2. ₹1,388
 - ☒ 3. ₹1,300
 - ☐ 4. ₹1,235

Q.27 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. 67
 - ☐ 4. 70

Q.28 Two successive discounts of 65% and 24% are equivalent to a single discount of ____.

- Ans
- ☐ 1. 77%
 - ☐ 2. 74.5%
 - ☒ 3. 73.4%
 - ☐ 4. 76.6%

Q.29 The value of $\frac{3}{4} + \left(\frac{1}{1 + \frac{3}{7}} \right) - \frac{3}{4}$ is

- Ans
- ☐ 1. $\frac{2}{11}$
 - ☐ 2. $\frac{5}{16}$
 - ☒ 3. $\frac{7}{10}$
 - ☐ 4. $\frac{16}{19}$

Q.30 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. 12:23 PM
 - ☐ 2. 11:53 AM
 - ☒ 3. 11:33 AM
 - ☐ 4. 11:13 AM

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.)

(32, 497, 23)

(20, -19, 1)

Ans ✓ 1. (3, 222, 15)

✗ 2. (3, 3, 3)

✗ 3. (18, -17, 2)

✗ 4. (21, 40, 8)

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. CID

✗ 2. AGB

✗ 3. EKF

✓ 4. IOK

Q.3 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. GFYL

✓ 2. HFYM

✗ 3. FGXO

✗ 4. GEZN

Q.4 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. 8

✗ 2. 6

✓ 3. 9

✗ 4. 4

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. TNV

✗ 2. RLT

✓ 3. XRY

✗ 4. VPX

Q.6 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. 2

✗ 2. 1

✓ 3. 4

✗ 4. 5

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 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. Two
☐ 3. Three
☒ 4. Four

Q.9 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. 17
☒ 2. 13
☐ 3. 16
☐ 4. 15

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. RVQ
☒ 2. LPJ
☐ 3. UYT
☐ 4. NRM

Q.11 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. One
☒ 2. Three
☐ 3. Four
☐ 4. Two

Q.12 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. 5
☐ 2. 3
☒ 3. 1
☐ 4. 9

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) € 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. 4
 - ☒ 2. 3
 - ☐ 3. 5
 - ☐ 4. 2

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 £ 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. None
 - ☒ 3. Two
 - ☐ 4. One

Q.15 What should come in place of the question mark (?) in the given series?

318 263 213 168 128 ?

- Ans
- ☒ 1. 93
 - ☐ 2. 65
 - ☐ 3. 79
 - ☐ 4. 106

Q.16 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. 5
 - ☐ 2. 7
 - ☐ 3. 11
 - ☒ 4. 9

Q.17 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 east
 - ☒ 2. 5 km west
 - ☐ 3. 7 km east
 - ☐ 4. 2 km west

Q.18 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 wife's brother
 - ☐ 2. Son's wife's father
 - ☒ 3. Wife's brother
 - ☐ 4. Son's son

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

10, 30, 90, 270, ?, 2430

- Ans**
- ☒ 1. 540
 - ☒ 2. 720
 - ☒ 3. 810
 - ☒ 4. 1080

Q.20 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. 7
 - ☒ 2. 6
 - ☒ 3. 5
 - ☒ 4. 8

Q.21 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-east
 - ☒ 2. North-east
 - ☒ 3. South
 - ☒ 4. South-west

Q.22 What should come in place of the question mark (?) in the given series?

103, 1000, 9970, 99670, 996670, ?

- Ans**
- ☒ 1. 9996670
 - ☒ 2. 9999670
 - ☒ 3. 9966670
 - ☒ 4. 9966667

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

Q.24 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. PKG 2
 - ☒ 2. KQP 3
 - ☒ 3. KGS 1
 - ☒ 4. QKJ 4

Q.25 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. RUV : TYZ
 - ☒ 2. UQQ : WUT
 - ☒ 3. PUX : RYZ
 - ☒ 4. XQO : ZTS

Q.26 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '-' and 'x' are interchanged?

$$80 \times 16 - 2 \div 12 + 4 = ?$$

- Ans**
- ☒ 1. 47
 - ☒ 2. 59
 - ☒ 3. 55
 - ☒ 4. 51

Q.27 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. 48
 - ☒ 3. 50
 - ☒ 4. 47

Q.28 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. WVZ 24
 - ☒ 4. YVZ 35

Q.29 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. EAVI
 - ☒ 3. EVAI
 - ☒ 4. EAIV

Q.30 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. 18th
 - ☒ 2. 16th
 - ☒ 3. 19th
 - ☒ 4. 17th



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 Center Name	TCS Gito Bitan
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 What is the key reason governments promote Public-Private Partnerships in infrastructure development?

- Ans
- ☒ 1. To address fiscal constraints and reduce liabilities
 - ☒ 2. To privatise all national resources
 - ☒ 3. To improve efficiency and innovation through private sector expertise
 - ☒ 4. Due to lack of trained manpower

Q.2 In which of the following cities was the Sepak Takraw 2025 World Cup (ISTAF) held in India in March 2025?

- Ans
- ☒ 1. New Delhi
 - ☒ 2. Patna
 - ☒ 3. Mumbai
 - ☒ 4. Bengaluru

Q.3 Sanskrit language is mainly used for creating:

- Ans
- ☒ 1. tribal stories
 - ☒ 2. ancient religious texts and epics
 - ☒ 3. folk songs and pop music
 - ☒ 4. modern novels

Q.4 Which of the following practices is most suitable for preventing land degradation in arid areas?

- Ans
- ☒ 1. Contour ploughing
 - ☒ 2. Shifting cultivation
 - ☒ 3. Terrace farming
 - ☒ 4. Shelterbelt plantation

Q.5 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.6 Researchers of which university produced India's first gene-edited sheep?

- Ans**
- ☐ 1. IIT Kanpur
 - ☐ 2. IIT Madras
 - ☐ 3. Chandigarh University
 - ☒ 4. Sher-e-Kashmir University

Q.7 Under Akbar, who was responsible for revenue and financial supervision across the entire Mughal Empire?

- Ans**
- ☐ 1. Vakil
 - ☒ 2. Diwan-i-Kul
 - ☐ 3. Mir Bakhshi
 - ☐ 4. Subadar

Q.8 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. Akashteer
 - ☐ 2. Barak 8
 - ☐ 3. Prithvi Air Defence
 - ☒ 4. S-400 Triumph

Q.9 Which of the following launch vehicles did ISRO use for its 100th mission in 2025?

- Ans**
- ☐ 1. SSLV D2
 - ☒ 2. GSLV F15
 - ☐ 3. PSLV C58
 - ☐ 4. LV Mk III

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. Mahanadi
 - ☐ 3. Narmada
 - ☐ 4. Damodar

Q.11 In some file management programs, which shortcut key combination is used to copy a selected item instead of moving it?

- Ans**
- ☒ 1. Alt + Ins
 - ☐ 2. Alt + Tab
 - ☐ 3. Alt + Del
 - ☐ 4. Alt + F4

Q.12 Wind energy is best harnessed in which of the following Indian states?

- Ans**
- ☒ 1. Gujarat
 - ☐ 2. Jharkhand
 - ☐ 3. Bihar
 - ☐ 4. Madhya Pradesh

Q.13 The All-India Services Act, 1951, allows which authority to frame rules for All-India service recruitment?

- Ans**
- ☐ 1. The Parliament of India
 - ☒ 2. Central Government
 - ☐ 3. Union Public Service Commission
 - ☐ 4. President of India

Q.14 What is the primary objective of the Yashoda AI initiative launched by the National Commission for Women (NCW) in May 2025?

- Ans**
- ☐ 1. To provide financial assistance to women entrepreneurs
 - ☐ 2. To offer healthcare services to rural women
 - ☐ 3. To promote traditional crafts among women artisans
 - ☒ 4. To enhance AI literacy and digital awareness among women

Q.15 Which of the following is a primary function of the District Courts in India?

- Ans**
- ☐ 1. Issuing writs to enforce fundamental rights (without High Court)
 - ☐ 2. Advising the President of India
 - ☐ 3. Settling disputes between Union and State governments
 - ☒ 4. Hearing appeals from lower courts within the district

Q.16 Which of the following freedom fighters led the Rampa Rebellion of 1922 against forest laws?

- Ans**
- ☐ 1. Surya Sen
 - ☐ 2. Jatindra Nath Das
 - ☒ 3. Alluri Sitarama Raju
 - ☐ 4. Ashfaqullah Khan

Q.17 Which season in India is characterised by high temperature and low humidity?

- Ans**
- ☐ 1. Southwest Monsoon
 - ☐ 2. Cold Weather Season
 - ☐ 3. Retreating Monsoon
 - ☒ 4. Hot Weather Season

Q.18 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. Banking Regulation Act
 - ☒ 2. Fiscal Responsibility and Budget Management Act
 - ☐ 3. Companies Act
 - ☐ 4. FEMA Act

Q.19 Who led the Tamar tribal revolts against the British in India?

- Ans**
- ☐ 1. Sidhu Murmu
 - ☐ 2. Ganga Narain Singh
 - ☐ 3. Tilka Manjhi
 - ☒ 4. Bhola Nath Sahay

Q.20 How many seats did the BJP win in the February 2025 Delhi Assembly elections?

- Ans**
- ☒ 1. 48
 - ☐ 2. 22
 - ☐ 3. 70
 - ☐ 4. 62

Q.21 Which institution played a major role in supporting India's liberalisation policy during the 1991 crisis?

- Ans**
- ☐ 1. NITI Aayog
 - ☐ 2. Election Commission of India
 - ☒ 3. International Monetary Fund (IMF)
 - ☐ 4. Reserve Bank of India

Q.22 What was the focus of World Water Day, observed globally on 22 March 2025?

- Ans**
- ✓ 1. Glacier preservation
 - ✗ 2. Water and climate change
 - ✗ 3. Accelerating change
 - ✗ 4. Water for peace

Q.23 In which year did Paul Ehrlich receive the Nobel Prize for discovering the first chemotherapeutic agent, salvarsan?

- Ans**
- ✓ 1. 1908
 - ✗ 2. 1905
 - ✗ 3. 1913
 - ✗ 4. 1901

Q.24 What was a key reform introduced by the Waqf (Amendment) Act, 2025?

- Ans**
- ✓ 1. Inclusion of Muslim women on Waqf Boards
 - ✗ 2. Clergy-only Waqf management
 - ✗ 3. Abolition of old Waqf properties
 - ✗ 4. Audit exemption for Waqf assets

Q.25 Which of the following is a government initiative aimed at improving urban infrastructure in Indian cities?

- Ans**
- ✗ 1. Swachh Bharat Gramin
 - ✗ 2. Pradhan Mantri Gram Sadak Yojana
 - ✓ 3. Smart Cities Mission
 - ✗ 4. Atal Bhuja Yojana

Q.26 A flat or gently sloping surface left behind after river erosion, often with some resistant remnants, is known as:

- Ans**
- ✗ 1. Plateau
 - ✗ 2. Monadnock
 - ✗ 3. Floodplain
 - ✓ 4. Peneplain

Q.27 In May 2025, India approved the execution model for which indigenous fifth-generation fighter aircraft program?

- Ans**
- ✗ 1. Tejas Mk2
 - ✗ 2. Medium Combat Aircraft (MCA)
 - ✗ 3. HAL Twin Engine Deck Based Fighter (TEDBF)
 - ✓ 4. Advanced Medium Combat Aircraft (AMCA)

Q.28 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. Dominance of the services sector
 - ✓ 3. Heavy dependence on agriculture and low productivity
 - ✗ 4. Strong trade surplus

Q.29 Which Rajput ruler founded the Gurjara-Pratihara dynasty in Malwa during the 8th century CE?

- Ans**
- ✗ 1. Dhruva
 - ✗ 2. Vatsaraja
 - ✓ 3. Nagabhata I
 - ✗ 4. Mihira Bhoja

Q.30 Dating back to 1639-1640 CE, which construction, located in Chennai, India, is historically known as the primary English defense post?

- Ans**
- ☐ 1. Gingee Fort
 - ☒ 2. Fort St. George
 - ☐ 3. Fort St. David
 - ☐ 4. Sadras Dutch Fort

Q.31 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. Yasin Merchant
 - ☐ 4. Sourav Kothari

Q.32 In organising the Rowlatt Satyagraha, Mahatma Gandhi was assisted by Abdul Bari of the Firangi Ulema group based in _____.

- Ans**
- ☐ 1. Aligarh
 - ☐ 2. Patna
 - ☐ 3. Kanpur
 - ☒ 4. Lucknow

Q.33 Who became the youngest player to score over 700 runs in a single IPL season in 2025?

- Ans**
- ☐ 1. Yashasvi Jaiswal
 - ☐ 2. Shubman Gill
 - ☒ 3. Sai Sudharsan
 - ☐ 4. Ruturaj Gaikwad

Q.34 India recently assumed the Chairmanship of which organisation from Bangladesh during the 13th Governing Council Meeting held in Malé, Maldives?

- Ans**
- ☒ 1. Bay of Bengal Inter-Governmental Organisation (BOBP-IGO)
 - ☐ 2. Indian Ocean Rim Association (IORA)
 - ☐ 3. South Asian Association for Regional Cooperation (SAARC)
 - ☐ 4. Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC)

Q.35 Which one of the acts is known as the first step towards constitutional development in India?

- Ans**
- ☐ 1. Indian Councils Act, 1861
 - ☐ 2. Charter Act, 1813
 - ☒ 3. Regulating Act, 1773
 - ☐ 4. Pitt's India Act, 1784

Q.36 Which of the following Articles was introduced by the 86th Amendment to impose a duty on parents to educate children?

- Ans**
- ☐ 1. Article 21A
 - ☒ 2. Article 51A(k)
 - ☐ 3. Article 39A
 - ☐ 4. Article 45

Q.37 What is the relation between the frequency (f) and time period (T) of a sound wave?

- Ans**
- ☐ 1. $f = T$
 - ☐ 2. $f = T/2$
 - ☐ 3. $f = 2T$
 - ☒ 4. $f = 1/T$

Q.38 Which of the following powers is exercised by the Union Council of Ministers in India?

- Ans**
- ☐ 1. Supervising state legislatures
 - ☒ 2. Framing policies and advising the President
 - ☐ 3. Declaring war
 - ☐ 4. Conducting judicial reviews

Q.39 Which of the following options best describes the main function of an operating system?

- Ans**
- ☒ 1. Managing computer hardware and software resources
 - ☐ 2. Displaying web pages
 - ☐ 3. Compiling high-level code
 - ☐ 4. Performing arithmetic operations

Q.40 What significant space-related agreement did Bangladesh join in 2025?

- Ans**
- ☐ 1. The Outer Space Treaty
 - ☐ 2. The SpaceX International Partnership
 - ☒ 3. The Artemis Accords
 - ☐ 4. The Moon Treaty

Section : Mathematics

Q.1 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. 16 : 10
 - ☒ 2. 20 : 9
 - ☐ 3. 21 : 6
 - ☐ 4. 18 : 7

Q.2 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. 143 km/hr
 - ☐ 2. 146 km/hr
 - ☐ 3. 147 km/hr
 - ☐ 4. 141 km/hr

Q.3 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 17^\circ$ and $\angle$

- Ans**
- ☐ 1. 95°
 - ☐ 2. 106°
 - ☒ 3. 104°
 - ☐ 4. 105°

Q.4 Evaluate: $16 + 12 \div 6 - 3 \times 4$

- Ans
- ☐ 1. 5
 - ☐ 2. 9
 - ☒ 3. 6
 - ☐ 4. 8

Q.5 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. 37.33
 - ☐ 4. 31.33

Q.6 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month in 7 months.

- Ans
- ☒ 1. 252
 - ☐ 2. 42
 - ☐ 3. 41
 - ☐ 4. 21

Q.7 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. 16750
 - ☐ 2. 16749
 - ☐ 3. 16747
 - ☐ 4. 16753

Q.8 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. ₹40,609
 - ☐ 2. ₹41,601
 - ☐ 3. ₹39,923
 - ☒ 4. ₹39,780

Q.9 Find the surface area of a sphere whose diameter is 14 cm.

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

- Ans
- ☐ 1. 816 cm^2
 - ☐ 2. 716 cm^2
 - ☐ 3. 516 cm^2
 - ☒ 4. 616 cm^2

Q.10 The average of first 150 odd natural numbers, is:

- Ans
- ☐ 1. 150.5
 - ☐ 2. 149.5
 - ☐ 3. 151
 - ☒ 4. 150

Q.11 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. 204
 - ☒ 2. 153
 - ☐ 3. 175
 - ☐ 4. 102

Q.12 The product of two consecutive positive natural numbers is 650. The greater of the two numbers is:

- Ans**
- ☐ 1. 43
 - ☐ 2. 29
 - ☐ 3. 31
 - ☒ 4. 26

Q.13 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. 8 hours
 - ☐ 2. 24 hours
 - ☒ 3. 18 hours
 - ☐ 4. 20 hours

Q.14 An item is marked at ₹1,200. Successive discounts of 20% and 10% are given. What is the final selling price?

- Ans**
- ☐ 1. ₹900
 - ☒ 2. ₹864
 - ☐ 3. ₹880
 - ☐ 4. ₹960

Q.15 *By how much is 65% of 75 greater than $\frac{4}{5}$ of 15?*

- Ans**
- ☐ 1. 34.75
 - ☐ 2. 30.75
 - ☐ 3. 33.75
 - ☒ 4. 36.75

Q.16 Find the value of x satisfying: $3(2x^2 - 5) - 2(3x^2 + 4x - 8) = 20$

- Ans**
- ☒ 1. $-\frac{19}{8}$
 - ☐ 2. $-\frac{11}{8}$
 - ☐ 3. $-\frac{21}{8}$
 - ☐ 4. $-\frac{29}{8}$

Q.17 Which of the following numbers divides 311916399?

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

Q.18

$\frac{1}{\sec A(1 - \tan A)} + \frac{1}{\operatorname{cosec} A(1 - \cot A)}$ is equal to:

Ans

✓ 1. $\cos A + \sin A$

✗ 2. $\cos A \sin A$

✗ 3. $\frac{1}{\cos A \sin A}$

✗ 4. $\cos A - \sin A$

Q.19 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. $\frac{109}{323}$

✗ 2. $\frac{110}{323}$

✗ 3. $\frac{104}{323}$

✓ 4. $\frac{107}{323}$

Q.20 Pipe P can fill $\frac{3}{7}$ part of a tank in 12 hours, and pipe Q can fill $\frac{5}{6}$ part

Both P and Q were kept open for 2 hours, then both were closed. Pipe R emptied the water in the tank in 5 hours. Pipes P, Q and R together

Ans

✗ 1. 27 hours

✓ 2. 14 hours

✗ 3. 33 hours

✗ 4. 24 hours

Q.21 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.22 The perimeter of a square is 340 m. Its area (in m^2) is:

Ans

✗ 1. 7207

✗ 2. 7204

✓ 3. 7225

✗ 4. 7200

Q.23 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. 31
 - ☒ 2. 27
 - ☐ 3. 23
 - ☐ 4. 32

Q.24 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. ₹13,925
 - ☐ 2. ₹14,075
 - ☐ 3. ₹14,900
 - ☐ 4. ₹13,285

Q.25 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. 2
 - ☐ 2. 3
 - ☐ 3. 5
 - ☐ 4. 4

Q.26 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. ₹700
 - ☒ 2. ₹600
 - ☐ 3. ₹750
 - ☐ 4. ₹650

Q.27 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. 69
 - ☒ 2. 154
 - ☐ 3. 86
 - ☐ 4. 112

Q.28 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. 50
 - ☐ 2. 53
 - ☐ 3. 52
 - ☒ 4. 51

Q.29 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. $M + N = 5$
 - ☐ 2. $M = N$
 - ☒ 3. $M - N = -5$
 - ☐ 4. $M - N = 1$

Q.30 By selling an article at $\frac{8}{13}$ of its actual selling price, Ramesh incurs a loss. If he sells it at 85% of its actual selling price, then the profit percentage is

- Ans
- ☐ 1. 8.2%
 - ☒ 2. 10.5%
 - ☐ 3. 12.3%
 - ☐ 4. 9.3%

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. YG - BB
 - ☐ 2. SJ - VE
 - ☐ 3. AP - DK
 - ☒ 4. ND - QX

Q.2 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. 3
 - ☒ 4. 2

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

Q.4 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. PIZE
 - ☒ 2. PIEZ
 - ☐ 3. PZEW
 - ☐ 4. PEZI

Q.5 What should come in place of the question mark (?) in the given series?

45 63 87 105 129 147 171 ?

- Ans
- ☐ 1. 197
 - ☒ 2. 189
 - ☐ 3. 193
 - ☐ 4. 185

Q.6 If + means $\times$, $\times$ means $\div$ and $\div$ 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. 42
 - ☐ 4. 18

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.

Statement:

Some Googles are apples.
Some apples are Amazons.

Conclusions:

- I. Some Googles are Amazons.
- II. No Google is an Amazon.

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

Q.9 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. LPZV
 - ☐ 2. JRBU
 - ☒ 3. KQAW
 - ☐ 4. LQBW

Q.10 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. N
 - ☒ 2. D
 - ☒ 3. M
 - ☒ 4. C

Q.11 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. 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 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. XB - BV
 - ☒ 3. HR - ML
 - ☒ 4. CU - GO

Q.13 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 father
 - ☒ 2. Wife's father's sister
 - ☒ 3. Wife's brother
 - ☒ 4. Wife's brother's wife

Q.14 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. 4
 - ☒ 3. 1
 - ☒ 4. 2

Q.15 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. AZV
 - ☐ 2. VZA
 - ☐ 3. VAZ
 - ☐ 4. AVZ

Q.16 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. 5
 - ☒ 3. 1
 - ☐ 4. 6

Q.17 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. 15, 60
 - ☒ 2. 20, 85
 - ☐ 3. 40, 155
 - ☐ 4. 35, 130

Q.18 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. D
 - ☐ 3. C
 - ☒ 4. R

Q.19 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. 4
 - ☐ 2. 7
 - ☐ 3. 6
 - ☒ 4. 5

Q.20 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. 4

✗ 4. 2

Q.21 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. SU 37

✗ 2. RT 37

✗ 3. RU 37

✗ 4. ST 37

Q.22 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged, and '-' and '×' are interchanged?

$24 + 3 \times 10 - 2 \div 41 = ?$

Ans ✗ 1. 22

✗ 2. 36

✓ 3. 29

✗ 4. 41

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

9 23 49 83 129 183 ?

Ans ✗ 1. 250

✓ 2. 249

✗ 3. 294

✗ 4. 254

Q.24 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. 2 km to the West

✗ 2. 4 km to the East

✓ 3. 3 km to the South

✗ 4. 1 km to the South

Q.25 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. West
 - ☐ 2. South-west
 - ☐ 3. North-west
 - ☐ 4. North

Q.26 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) $\wedge > \& 5 > \wedge 3 6 < + \$ \% * \% 7 1 \% 2 + 2 1$ (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. Three
 - ☒ 2. Two
 - ☐ 3. One
 - ☐ 4. None

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. TQ-PM
 - ☒ 2. NK-II
 - ☐ 3. IF-EB
 - ☐ 4. ZW-VS

Q.28 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. One
 - ☒ 2. Two
 - ☐ 3. None
 - ☐ 4. Three

Q.29 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. HPIL
 - ☒ 2. HPLI
 - ☐ 3. PHIL
 - ☐ 4. PHLI

Q.30 What should come in place of the question mark (?) in the given series?

96 105 115 126 138 ?

- Ans**
- ☐ 1. 152
 - ☐ 2. 120
 - ☒ 3. 151
 - ☐ 4. 150



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



Test Center Name	iON Digital Zone iDZ Kottayam
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 Which sector in India saw significant growth due to globalisation and outsourcing after the 1990s?

Ans ☒ 1. IT and Services

☐ 2. Mining

☐ 3. Agriculture

☐ 4. Real Estate

Q.2 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. Fast-track cyber fraud FIRs

☐ 3. Create a national crime database

☐ 4. Launch an online cyber safety portal

Q.3 The Tripartite Struggle was a prolonged conflict among the Gurjara-Pratiharas, Palas, and which southern Indian dynasty?

Ans ☒ 1. Rashtrakutas

☐ 2. Satavahanas

☐ 3. Cholas

☐ 4. Pallavas

Q.4 What is the value of one carat when expressed in SI units?

Ans ☒ 1. 200 milligrams

☐ 2. 500 milligrams

☐ 3. 1 gram

☐ 4. 100 milligrams

Q.5 Which of the following Constitutional Amendments introduced the Goods and Services Tax (GST) in India?

Ans ☐ 1. 103rd Amendment

☒ 2. 101st Amendment

☐ 3. 97th Amendment

☐ 4. 108th Amendment

Q.6 '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. Kiran Bedi

 3. Kamla Bhasin

 4. Laxmi Agarwal

Q.7 Mont Blanc is the highest peak of which mountain range?

Ans  1. Western Ghats

 2. Andes

 3. Himalayas

✓ 4. Alps

Q.8 Who first presided over the first Indian National Congress session at Mumbai?

Ans  1. Surendranath Bannerjee

 2. Anand Mohan Bose

✓ 3. W C Bannerjee

 4. Dadabhai Naoroji

Q.9 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. Council of Scientific and Industrial Research (CSIR)

 2. Indian Space Research Organisation (ISRO)

✓ 3. Defence Research and Development Organisation (DRDO)

 4. National Security Council Secretariat (NSCS)

Q.10 Which MS Windows feature allows users to personalize their desktop background, theme and screensaver settings?

Ans  1. Disk Management

 2. Device Manager

 3. Task Scheduler

✓ 4. Personalization Settings

Q.11 In Windows 11, what does the Alt + D keyboard shortcut do in File Explorer or a web browser?

Ans ✓ 1. Focuses the address bar

 2. Duplicates the current tab

 3. Displays desktop

 4. Deletes the selected file or folder

Q.12 Pykara was marked as the first water power station in which state of India?

Ans  1. Odisha

 2. Madhya Pradesh

✓ 3. Tamil Nadu

 4. Kerala

Q.13 What is the specific heat of copper, which is often used for pots and pans because it heats up quickly?

Ans  1. $386.4 \text{ J kg}^{-1} \text{ K}^{-1}$

 2. $604.2 \text{ J kg}^{-1} \text{ K}^{-1}$

 3. $239.3 \text{ J kg}^{-1} \text{ K}^{-1}$

 4. $712.1 \text{ J kg}^{-1} \text{ K}^{-1}$

Q.14 In which of the following years was the first ever National Agriculture Policy announced?

Ans  1. 2003

 2. 2005

 3. 2000

 4. 2010

Q.15 Bangladesh is located in which direction of India?

Ans  1. West

 2. East

 3. Northwest

 4. North

Q.16 Who was the first Portuguese explorer to reach India in 1498, arriving at Calicut on the Malabar Coast?

Ans  1. Vasco da Gama

 2. Columbus

 3. Nino-da-Cunha

 4. Albuquerque

Q.17 Who presides over the sessions of the Vidhan Sabha in a State?

Ans  1. The Chief Minister of the State

 2. The Governor of the State

 3. The Deputy Speaker by rotation

 4. The Speaker elected by members

Q.18 Which Article of the Indian Constitution deals with the impeachment procedure of the President?

Ans  1. Article 52

 2. Article 54

 3. Article 61

 4. Article 66

Q.19 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.20 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. Mohadessa Jafri

 2. Gopi Thotakura

 3. Zoya Agarwal

 4. Shubham Banerjee

Q.21 What has been the trend in India's per capita income since the 1991 reforms?

Ans  1. Gradual increase

 2. No significant change

 3. Fluctuating without a pattern

 4. Constant decline

Q.22 What was the effect of English education and western thought on Indian nationalism?

Ans  1. Ignited national awakening

 2. Encouraged partition

 3. Supported casteism

 4. Suppressed nationalism

Q.23 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. Barmer

 3. Jaisalmer

 4. Jhunjhunu

Q.24 Which architectural style characterises the Chhatrapati Shivaji Maharaj Terminus (CSMT) building in Mumbai, India, completed in 1887?

Ans  1. Mughal

 2. Rajput

 3. Victorian Gothic

 4. Indo-Saracenic

Q.25 In which city is India's first AI-focused Special Economic Zone (SEZ) being established in 2025?

Ans  1. Pune

 2. Nava Raipur

 3. Hyderabad

 4. Bengaluru

Q.26 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, being quasi-judicial bodies, must be independent of the executive, just like regular courts.

 3. Tribunals are executive bodies and need not be independent of the executive.

 4. Tribunals can be managed by the subject-matter ministry to improve efficiency.

Q.27 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. Central Bureau of Investigation (CBI)

 3. Ministry of Home Affairs (MHA)

 4. National Investigation Agency (NIA)

Q.28 The World Government Summit 2025, focusing on shaping future governments, was convened in which city?

Ans  1. Dubai, United Arab Emirates

 2. Doha, Qatar

 3. Geneva, Switzerland

 4. Singapore

Q.29 How many pairs of false ribs are located above the floating ribs that are connected to each other by costal cartilage?

Ans  1. 3

 2. 5

 3. 2

 4. 6

Q.30 Why does the eastern coastal plain have fewer ports and harbours compared to the western coastal plain?

Ans  1. It receives more rainfall

 2. It is closer to the Equator

 3. It has more tourist beaches

 4. It is an emergent coast

Q.31 Which test was successfully conducted by ISRO in the development of the semicryogenic engine in March 2025?

Ans  1. Cold test of the fuel system

 2. Flight test of the complete launch vehicle

 3. Hot test of the engine power head test article

 4. Static fire test of the rocket booster

Q.32 Landslides due to mining and land subsidence are commonly seen in:

Ans  1. Himachal Pradesh and Uttarakhand

 2. Assam and West Bengal

 3. Rajasthan and Haryana

 4. Jharkhand and Chhattisgarh

Q.33 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-SAFAL

 3. G-SWARUPA

 4. G-SHAKTI

Q.34 Which initiative promotes rooftop solar installations for households?

Ans  1. URJA Mission

 2. Surya Ghar Muft Bijli Yojana

 3. PM-KUSUM

 4. Solar India

Q.35 During the Gupta period, who was the Commander-in-Chief of the Gupta Army?

Ans  1. Sandhivigrahika

 2. Amatya

 3. Mahasenapati

 4. Mahamatya

Q.36 Who took over as the Deputy Governor of the Reserve Bank of India in May 2025?

- Ans**  1. Swaminathan J
 2. Dr. Poonam Gupta
 3. Ajit Ratnakar Joshi
 4. Indranil Bhattacharyya

Q.37 Which of the following is a socio-economic Directive Principle?

- Ans**  1. Independence of the judiciary
 2. Promotion of international peace
 3. Separation of powers
 4. Equal pay for equal work

Q.38 As per VarIndia (April 2025), India's draft '6G THz Testbed' specifically targets components operating in frequencies above:

- Ans**  1. 60 GHz
 2. 100 GHz
 3. 6 GHz
 4. 300 GHz

Q.39 Which state is in the news for achieving full functional literacy in May 2025?

- Ans**  1. Tripura
 2. Nagaland
 3. Meghalaya
 4. Mizoram

Q.40 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. UPI dashboard
 4. E-Shram portal

Section : Mathematics

Q.1 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. $M - N = 1$
 3. $M = N$
 4. $M + N = -5$

Q.2 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.3 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. 2%
 -  3. 5%
 -  4. 3%

Q.4 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 : 4
 -  2. 1 : 6
 -  3. 1 : 2
 -  4. 1 : 8

Q.5 Evaluate: $(-9) - (-60) \div (-6) + (-4) \times 9$

- Ans**
-  1. -54
 -  2. -55
 -  3. -57
 -  4. -58

Q.6 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. 16 years
 -  3. 9 years
 -  4. 17 years

Q.7 Find the surface area of a sphere whose diameter is equal to 22 cm.

- Ans**
-  1. $484\pi \text{ cm}^2$
 -  2. $153\pi \text{ cm}^2$
 -  3. $1019\pi \text{ cm}^2$
 -  4. $502\pi \text{ cm}^2$

Q.8 The product of two consecutive positive natural numbers is 182. The greater of the two numbers is:

- Ans**
-  1. 27
 -  2. 14
 -  3. 26
 -  4. 7

Q.9 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. 6374
 -  2. 6380
 -  3. 6378
 -  4. 6376

Q.10 Which of the following numbers is divisible by 5?

- Ans  1. 7132956
 2. 6567359
 3. 6175753
 4. 7048030

Q.11 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. 15.18%
 2. 16.67%
 3. 7.43%
 4. 11.62%

Q.12 *By how much is 65% of 65 greater than $\frac{1}{5}$ of 35?*

- Ans  1. 35.25
 2. 32.25
 3. 33.25
 4. 29.25

Q.13 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. 98°
 2. 95°
 3. 100°
 4. 108°

Q.14 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. 18
 2. 25
 3. 32
 4. 36

Q.15 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. 65
 2. 81
 3. 70
 4. 87

Q.16 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. 0.85
 2. 0.39
 3. 3.85
 4. 0.83

Q.17 If $\frac{\sin A + \cos A}{\cos A} = \frac{17}{12}$, then find the value of $\sin A$ and $\cos$

- Ans
- 1. $\frac{17}{5}, \frac{16}{5}$
 - 2. $\frac{13}{5}, \frac{13}{12}$
 - ✓ 3. $\frac{5}{13}, \frac{12}{13}$
 - 4. $\frac{5}{17}, \frac{5}{16}$

Q.18 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. 6 days
 - 2. 8 days
 - ✓ 3. 3 days
 - 4. 1 day

Q.19 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.20 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. 136
 - 2. 56
 - ✓ 3. 67
 - 4. 100

Q.21 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. $19\frac{10}{17}$ days
 - ✓ 2. $10\frac{10}{17}$ days
 - 3. $11\frac{10}{17}$ days
 - 4. $14\frac{10}{17}$ days

Q.22 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. ₹45,780
 -  2. ₹44,260
 -  3. ₹46,300
 -  4. ₹46,080

Q.23 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. 824
 -  3. 800
 -  4. 820

Q.24 Which of the following ratios is the greatest?

- Ans**
-  1. 33 : 72
 -  2. 45 : 85
 -  3. 28 : 74
 -  4. 40 : 53

Q.25 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. $M - N = -2$
 -  2. $M = N$
 -  3. $M - N = 1$
 -  4. $M + N = 2$

Q.26 The number 630605 is divisible by which of the following?

- Ans**
-  1. 3
 -  2. 7
 -  3. 5
 -  4. 14

Q.27 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. 12
 -  2. 16
 -  3. 6
 -  4. 7

Q.28 The average of first 153 even numbers is

- Ans**
-  1. 154
 -  2. 154.5
 -  3. 155
 -  4. 153.5

Q.29 The marked price of a watch is ₹3,480. It is sold for ₹2,958. The rate of discount is _____.

Ans  1. 15%

 2. 13%

 3. 17%

 4. 10%

Q.30 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. 3,973

 2. 3,975

 3. 3,972

 4. 3,976

Section : General Intelligence and Reasoning

Q.1 What should come in place of the question mark (?) in the given series?
26, 21, 11, -4, -24, ?

Ans  1. 49

 2. -54

 3. -49

 4. 57

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.)

8, 25

11, 34

Ans  1. 13, 39

 2. 9, 37

 3. 6, 17

 4. 15, 46

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. WAY

 2. NRP

 3. GKH

 4. PTR

Q.4 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. 6
 -  2. 1
 -  3. 5
 -  4. 8

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. TWA
 -  2. JMQ
 -  3. HLO
 -  4. CFJ

Q.6 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. Wife's brother
 -  3. Wife's father
 -  4. Son's wife's father

Q.7 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. 27
 -  4. 28

Q.8 Manoj ranked 26th from the top and 55th from the bottom in his class. How many students are there in his class?

- Ans**
-  1. 80
 -  2. 82
 -  3. 81
 -  4. 79

Q.9 What should come in place of ? in the given series based on the English alphabetical order?

UXX VSU WNR ? YDL

- Ans**
-  1. XLV
 -  2. WLZ
 -  3. XIO
 -  4. PSL

Q.10 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. Four
 2. Three
 3. One
 4. Two

Q.11 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. One
 2. Two
 3. Four
 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 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. LN – EG
 2. EH – XZ
 3. IK – BD
 4. YA – RT

Q.13 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. 12
 3. 9
 4. 10

Q.14 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. NRGQ
 2. OQHP
 3. OPGR
 4. MPFO

Q.15 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. Three
 2. None
 3. One
 4. Two

Q.16 What should come in place of the question mark (?) in the given series?

1 2 4 7 28 33 ?

- Ans**  1. 196
 2. 198
 3. 197
 4. 199

Q.17 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. One
 2. Two
 3. Three
 4. Five

Q.18 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. QLPR
 2. QMQR
 3. QMPR
 4. QNPX

Q.19 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. 3 km to east
 3. 4 km to west
 4. 4 km to east

Q.20 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. 7 km to the north
 2. 7 km to the south
 3. 6 km to the south
 4. 8 km to the west

Q.21 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.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.

GULF – FLGU – GLUF

ALTS – STAL – ATLS

Ans  1. SICK – KCSI – SCIK

 2. LIMB – IMLB – IMBL

 3. FINE – FNIE – ENIF

 4. CALF – FLCA – ALCF

Q.23 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. 348

 2. 268

 3. 328

 4. 428

Q.24 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. 5

 3. 6

 4. 9

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 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. 4

 2. 5

 3. 3

 4. 2

Q.26 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. None

 2. One

 3. Three

 4. Two

Q.27 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. Three

 2. One

 3. Two

 4. Four

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

12 16 25 41 ? 102

Ans



1. 56



2. 50



3. 66



4. 62

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 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. Only conclusion (II) follows.



3. Only conclusion (I) follows.



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

Q.30 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. Neither conclusion (I) nor (II) follows.



2. Only conclusion (II) follows.



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



4. Only conclusion (I) follows.



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



Test Center Name	iON Digital Zone iDZ Kollam
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.

- Options shown in green color with a tick icon are correct.
- 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 India's first cheetah conservation breeding centre, approved by the Central Zoo Authority (CZA) in 2024?

- Ans** ☒ 1. Banni grasslands
☐ 2. Bandhavgarh National Park
☐ 3. Tadoba National Park
☐ 4. Gandhi Sagar Wildlife Sanctuary

Q.2 As of March 14, 2024, which of the following is Asia's longest tunnel?

- Ans** ☐ 1. Tike Tunnel
☒ 2. Zojila Tunnel
☐ 3. Natuwadi Tunnel
☐ 4. Pir Panjal Railway Tunnel

Q.3 In which of the following years did Lord Curzon pass the Indian Universities Act, imposing strict control over Indian universities?

- Ans** ☐ 1. 1897
☐ 2. 1889
☒ 3. 1904
☐ 4. 1886

Q.4 Which of the following rivers belongs to the Peninsular Plateau?

- Ans** ☒ 1. Krishna river
☐ 2. Beas river
☐ 3. Dibang river
☐ 4. Lohit river

Q.5 Where is the primary focus of the Sampoorna Grameen Rozgar Yojana (SGRY)?

- Ans** ☐ 1. Industrial areas
☐ 2. Urban areas
☒ 3. Rural areas
☐ 4. Coastal areas

Q.6 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.7 Which of the following shortcut keys is used to switch between open applications in Windows?

- Ans**
- ☒ 1. Alt + Tab
 - ☐ 2. Alt + Del
 - ☐ 3. Alt + Ins
 - ☐ 4. Alt + F4

Q.8 The Sarkaria Commission primarily focussed on strengthening which type of federalism in India?

- Ans**
- ☐ 1. Unitary federalism
 - ☒ 2. Co-operative federalism
 - ☐ 3. Fiscal federalism
 - ☐ 4. Competitive federalism

Q.9 Which of the following is the most abundant protein in the biosphere?

- Ans**
- ☐ 1. GLUT-4
 - ☐ 2. Collagen
 - ☒ 3. RuBisCO
 - ☐ 4. Myosin

Q.10 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. Kanpur
 - ☐ 3. Varanasi
 - ☐ 4. Lucknow

Q.11 Which undersea defence weapon was successfully trialed by the Indian Navy in May 2025?

- Ans**
- ☐ 1. Hydro Depth Torpedo
 - ☒ 2. Multi-Influence Ground Mine
 - ☐ 3. Deep-Sea Explosive
 - ☐ 4. Submarine Neutralizer

Q.12 When was the Community Development Programme (CDP) launched in India?

- Ans**
- ☐ 1. 1 January 1947
 - ☒ 2. 2 October 1952
 - ☐ 3. 1 July 1951
 - ☐ 4. 1 March 1950

Q.13 Which author released 'The Himalaya in a Small House' in 2025, chronicling life in a Himalayan village?

- Ans**
- ☐ 1. Amitav Ghosh
 - ☐ 2. Namita Gokhale
 - ☒ 3. Anuradha Roy
 - ☐ 4. Ruskin Bond

Q.14 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. Fotedar
 - ☒ 4. Shiqqdar

Q.15 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. Bihar, Odisha, West Bengal and Assam
 - ☐ 3. Nagaland, Manipur, Meghalaya and Arunachal Pradesh
 - ☒ 4. Assam, Meghalaya, Tripura and Mizoram

Q.16 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.17 At the Doha Diamond League 2025, after throwing beyond 90 metres, Neeraj Chopra achieved which historic distinction for Indian athletics?

- Ans**
- ☒ 1. He became the 1st Indian athlete to surpass the 90-metre mark in javelin throw.
 - ☐ 2. He became the 2nd Indian athlete to surpass the 90-metre mark in javelin throw.
 - ☐ 3. He broke the world record for the longest javelin throw.
 - ☐ 4. He became the 3rd Indian athlete to surpass the 90-metre mark in javelin throw.

Q.18 Which Indian think tank organised the 2025 World Sustainable Development Summit (WSDS)?

- Ans**
- ☒ 1. National Institution for Transforming India (NITI) Aayog
 - ☐ 2. Research and Information System (RIS)
 - ☐ 3. The Energy and Resource Institute (TERI)
 - ☐ 4. Centre for Science and Environment (CSE)

Q.19 Which international observance, celebrated on 3 March 2025, had the theme 'Wildlife Conservation Finance: Investing in People and Planet'?

- Ans**
- ☒ 1. World Wildlife Day
 - ☐ 2. International Day for Biological Diversity
 - ☐ 3. Earth Day
 - ☐ 4. World Environment Day

Q.20 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.21 The Fifth Schedule of the Indian Constitution contains provisions for the administration and control of which of the following?

- Ans**
- ☐ 1. Official languages of India
 - ☐ 2. Union and State Lists of the Seventh Schedule
 - ☐ 3. Disqualification of legislators on grounds of defection
 - ☒ 4. Scheduled Areas and Scheduled Tribes

Q.22 Which Indian football club won the 2025 Kalinga Super Cup?

- Ans**
- ☐ 1. ATK Mohun Bagan
 - ☐ 2. Jamshedpur FC
 - ☐ 3. Bengaluru FC
 - ☒ 4. FC Goa

Q.23 Who administers the oath of office to the Governor?

- Ans**
- ☐ 1. Chief Minister
 - ☐ 2. President
 - ☐ 3. Vice-President
 - ☒ 4. Chief Justice of High Court

Q.24 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. 2018
 - ☐ 2. 2012
 - ☒ 3. 2016
 - ☐ 4. 2020

Q.25 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. Jandiala, Punjab
 - ☒ 2. Ghumusar, Odisha
 - ☐ 3. Eluru, Andhra Pradesh
 - ☐ 4. Mandawa, Rajasthan

Q.26 How many mutually independent base quantities are there in the current International System of Units (SI)?

- Ans**
- ☒ 1. 7
 - ☐ 2. 13
 - ☐ 3. 10
 - ☐ 4. 6

Q.27 What was the outcome of the 2025 Delhi Legislative Assembly elections?

- Ans**
- ☐ 1. AAP retained power with an increased majority.
 - ☐ 2. Congress won for the first time in over a decade.
 - ☐ 3. Hung assembly; a coalition was formed between BJP and Congress.
 - ☒ 4. BJP won a majority, forming the government.

Q.28 Liberalisation reduced government control over economic activities. What did liberalisation in 1991 primarily aim to eliminate?

- Ans**
- ☐ 1. Public sector employment
 - ☐ 2. Agricultural subsidies
 - ☐ 3. Banking services
 - ☒ 4. Industrial licensing and quota system

Q.29 Which Delhi Sultan captured Bukka and Harihara after the fall of the Kakatiya Kingdom?

- Ans**
- ☐ 1. Firoz Shah Tughlaq
 - ☒ 2. Muhammad bin Tughlaq
 - ☐ 3. Alauddin Khalji
 - ☐ 4. Balban

Q.30 The main reason for the Partition of India in 1947 was ____.

- Ans**
- ☐ 1. Social and Economic differences in community
 - ☐ 2. Language dispute
 - ☒ 3. Communal tensions and political disagreements
 - ☐ 4. British administrative failure

Q.31 In which state did the Indian Army conduct the tri-service integrated multi-domain warfare exercise, 'Prachand Prahaar', in March 2025?

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

Q.32 What does Section 498A of the Indian Penal Code (IPC) deal with?

- Ans**
- ☐ 1. Dowry death
 - ☐ 2. Child marriage
 - ☐ 3. Domestic violence protection
 - ☒ 4. Cruelty by husband or his relatives towards a woman

Q.33 Which of the following options lies between the Western Ghats and the Arabian Sea?

- Ans**
- ☒ 1. Western Coastal Plain
 - ☐ 2. Eastern Coastal Plain
 - ☐ 3. Malwa Plateau
 - ☐ 4. Deccan Plateau

Q.34 With which of the following countries has Armenia signed a peace treaty in March 2025?

- Ans**
- ☐ 1. Turkey
 - ☒ 2. Azerbaijan
 - ☐ 3. Syria
 - ☐ 4. Georgia

Q.35 Which of the following kitchen chemicals is commonly used to preserve pickles?

- Ans**
- ☒ 1. Vinegar
 - ☐ 2. Baking soda
 - ☐ 3. Yeast
 - ☐ 4. Sugar

Q.36 VARUNA is a bilateral naval exercise between India and:

- Ans**
- ☐ 1. the US
 - ☐ 2. South Korea
 - ☐ 3. the UK
 - ☒ 4. France

Q.37 During which of the following dynasties was the Kailasa Temple at Ellora built?

- Ans**
- ☐ 1. Cholas
 - ☐ 2. Pallavas
 - ☒ 3. Rashtrakutas
 - ☐ 4. Chalukyas

Q.38 Which mountain is located in South America?

- Ans**
- ☐ 1. Rockies
 - ☒ 2. Andes
 - ☐ 3. Vosges
 - ☐ 4. Alps

Q.39 Which of the following Fundamental Rights is guaranteed under Article 14 of the Indian Constitution?

- Ans**
- ☐ 1. Prohibition of child labour
 - ☐ 2. Protection of life and personal liberty
 - ☒ 3. Equality before the law
 - ☐ 4. Right to freedom of religion

Q.40 As of May 2025, former cricketer Harbhajan Singh represents which political party in the Rajya Sabha?

- Ans**
- ☒ 1. Aam Aadmi Party
 - ☐ 2. Indian National Congress
 - ☐ 3. Bharatiya Janata Party
 - ☐ 4. Shiromani Akali Dal (Badal)

Section : Mathematics

Q.1 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. 100 : 63
 - ☐ 2. 99 : 62
 - ☐ 3. 95 : 60
 - ☐ 4. 104 : 61

Q.2 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. 48%
 - ☐ 2. 49%
 - ☐ 3. 43%
 - ☐ 4. 50%

Q.3 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. ₹380
 - ☒ 3. ₹400
 - ☒ 4. ₹420

Q.4 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 20^\circ$ and $\angle$

- Ans**
- ☒ 1. 113°
 - ☒ 2. 128°
 - ☒ 3. 111°
 - ☒ 4. 122°

Q.5 The number 788973289 is divisible by which of the following?

- Ans**
- ☒ 1. 18
 - ☒ 2. 7
 - ☒ 3. 13
 - ☒ 4. 12

Q.6 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. 2.5 years
 - ☒ 3. 1 year
 - ☒ 4. 1.5 years

Q.7 By how much is 65% of 65 greater than $\frac{4}{5}$ of 15?

- Ans**
- ☒ 1. 24.25
 - ☒ 2. 27.25
 - ☒ 3. 30.25
 - ☒ 4. 28.25

Q.8 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. ₹807
 - ☒ 2. ₹705
 - ☒ 3. ₹753
 - ☒ 4. ₹633

Q.9 If $\frac{\sin\alpha + \cos\alpha}{\sin\alpha - \cos\alpha} = 3$, then the value of $\sin^2\alpha$ is:

- Ans**
- ☒ 1. $\frac{4}{5}$
 - ☒ 2. $\frac{3}{5}$
 - ☒ 3. $\frac{2}{5}$
 - ☒ 4. $\frac{1}{5}$

Q.10 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. 8
 - ☐ 2. 7
 - ☐ 3. 4
 - ☒ 4. 6

Q.11 Find the value of: $[836 \div \{30 + 2 \times (7 - 3)\}]$.

- Ans
- ☒ 1. 22
 - ☐ 2. 21
 - ☐ 3. 27
 - ☐ 4. 20

Q.12 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. $11\frac{53}{95}$ days
 - ☐ 2. $9\frac{53}{95}$ days
 - ☐ 3. $13\frac{53}{95}$ days
 - ☒ 4. $5\frac{53}{95}$ days

Q.13 Evaluate: $(-9) - (-60) \div (-10) + (-3) \times 8$

- Ans
- ☐ 1. -42
 - ☒ 2. -39
 - ☐ 3. -41
 - ☐ 4. -38

Q.14 The sum of two numbers is 80 and their L.C.M. is 558. What are the two numbers?

- Ans
- ☐ 1. 23, 57
 - ☒ 2. 18, 62
 - ☐ 3. 16, 64
 - ☐ 4. 11, 69

Q.15 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. 45%
 - ☒ 2. 44%
 - ☐ 3. 42%
 - ☐ 4. 46%

Q.16 The average of first 152 odd natural numbers, is:

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

Q.17 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. 5.51
 - ☐ 2. 6.69
 - ☐ 3. 5.37
 - ☐ 4. 6.32

Q.18 What smallest number should be added to 57846 so that the sum is completely divisible by 58?

- Ans**
- ☐ 1. 42
 - ☐ 2. 43
 - ☐ 3. 41
 - ☒ 4. 38

Q.19 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. 492.6 cubic metre
 - ☐ 3. 504.8 cubic metre
 - ☒ 4. 523.5 cubic metre

Q.20 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. 11:14 a.m.
 - ☐ 2. 5:46 a.m.
 - ☐ 3. 6:47 a.m.
 - ☒ 4. 12:05 p.m.

Q.21 The product of two consecutive natural numbers is 6. The greater of the two numbers is:

- Ans**
- ☐ 1. 5
 - ☐ 2. 19
 - ☐ 3. 2
 - ☒ 4. 3

Q.22 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. ₹120.80
 - ☒ 2. ₹109.60
 - ☐ 3. ₹112.60
 - ☐ 4. ₹112.50

Q.23 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. $116x - 10$
 - ☐ 3. $-116x - 110$
 - ☒ 4. $-116x + 110$

Q.24 The number of prime numbers lying between 476 and 485, both included, is:

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

Q.25 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. 244
 - ☒ 4. 144

Q.26 A bus travelling at 95 km/hr completes a journey in 10 hours. What should be its speed to cover the same distance in 5 hours?

- Ans**
- ☒ 1. 190 km/hr
 - ☐ 2. 193 km/hr
 - ☐ 3. 187 km/hr
 - ☐ 4. 182 km/hr

Q.27 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. 8 days
 - ☒ 3. 10 days
 - ☐ 4. 7 days

Q.28 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. ₹1,000
 - ☐ 3. ₹700
 - ☐ 4. ₹250

Q.29 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. ₹3,438
 - ☐ 2. ₹1,742
 - ☒ 3. ₹1,855
 - ☐ 4. ₹2,347

Q.30 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. 3,210
 - ☐ 2. 5,350
 - ☒ 3. 9,630
 - ☐ 4. 7,490

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. PL-IN
 - ☐ 2. VR-OT
 - ☐ 3. SO-LQ
 - ☒ 4. MI-FL

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) 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. None
 - ☒ 2. Two
 - ☐ 3. More than two
 - ☐ 4. One

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) 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. Three
 - ☐ 2. None
 - ☐ 3. One
 - ☒ 4. Two

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 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. Only conclusion (II) follows.
 - ☐ 4. Both conclusions (I) and (II) follow.

Q.5 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. 6
 - ☐ 2. 9
 - ☐ 3. 7
 - ☐ 4. 8

Q.6 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. YXHG
 - ☐ 2. YXGH
 - ☐ 3. YGHJ
 - ☐ 4. YGFT

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. IOT
 - ☐ 3. ITO
 - ☐ 4. TOI

Q.8 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. S
 - ☒ 3. L
 - ☐ 4. I

Q.9 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. Four
 - ☐ 2. Three
 - ☒ 3. Two
 - ☐ 4. One

Q.10 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. 8
 - ☐ 2. 7
 - ☒ 3. 10
 - ☐ 4. 9

Q.11 Hriday ranked 26th from the top and 38th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 62
 - ☒ 2. 63
 - ☐ 3. 64
 - ☐ 4. 61

Q.12 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.13 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. Two
 - ☐ 2. Four
 - ☐ 3. Three
 - ☐ 4. One

Q.14 What should come in place of the question mark (?) in the given series?

6 24 27 108 111 ?

- Ans**
- ☐ 1. 303
 - ☐ 2. 409
 - ☐ 3. 393
 - ☒ 4. 444

Q.15 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. 66
 - ☒ 2. 52
 - ☐ 3. 59
 - ☐ 4. 45

Q.16 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. tb
 - ☐ 2. lk
 - ☒ 3. mb
 - ☐ 4. fb

Q.17 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.18 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. 3 km south
 - ☒ 2. 5 km east
 - ☒ 3. 5 km west
 - ☒ 4. 5 km south

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

12 21 40 69 108 ?

- Ans**
- ☒ 1. 157
 - ☒ 2. 137
 - ☒ 3. 143
 - ☒ 4. 149

Q.20 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. Father
 - ☒ 2. Brother
 - ☒ 3. Mother
 - ☒ 4. Sister

Q.21 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. 29, 125
 - ☒ 3. 35, 180
 - ☒ 4. 19, 105

Q.22 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. 25
 - ☒ 2. 18
 - ☒ 3. 7
 - ☒ 4. 12

Q.23 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. KDRY
 - ☒ 2. KDYR
 - ☐ 3. KYRD
 - ☐ 4. KYDR

Q.24 What should come in place of the question mark (?) in the given series?

491 492 496 505 521 ?

- Ans**
- ☐ 1. 531
 - ☐ 2. 536
 - ☐ 3. 541
 - ☒ 4. 546

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. VY-RS
 - ☐ 2. KN-GI
 - ☐ 3. SV-OQ
 - ☐ 4. OR-KM

Q.26 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. 3
 - ☒ 3. 4
 - ☐ 4. 2

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:

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. Only conclusion (II) follows.
 - ☐ 4. Neither conclusion (I) nor (II) follows.

Q.28 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. SONG - OSNG - GONS
 - ☒ 2. FUME - EUFM - UMFE
 - ☒ 3. PING - PNIG - GNIP
 - ☒ 4. GUYS - SUGY - YUGS

Q.29 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. D
 - ☒ 2. K
 - ☒ 3. C
 - ☒ 4. A

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. QN-YT
 - ☒ 2. JG-RM
 - ☒ 3. SP-AV
 - ☒ 4. BY-JF



सत्यमेव जयते

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 Center Name	Digital Desk
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 Who became the first Indian driver to win a Formula 2 race in May 2025?

- Ans**
- ☐ 1. Jehan Daruvala
 - ☐ 2. Narain Karthikeyan
 - ☐ 3. Arjun Maini
 - ☒ 4. Kush Maini

Q.2 Which of the following foods is a rich source of dietary fibre for human beings?

- Ans**
- ☐ 1. Cheese
 - ☐ 2. Fish
 - ☒ 3. Oats
 - ☐ 4. Chicken

Q.3 Which of the following countries shares the longest land border with India?

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

Q.4 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. Refraction
 - ☐ 2. Diffraction
 - ☒ 3. Reverberation
 - ☐ 4. Interference

Q.5 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. ₹1.27 lakh crore
 - ☐ 2. ₹1.19 lakh crore
 - ☐ 3. ₹1.11 lakh crore
 - ☐ 4. ₹1.33 lakh crore

Q.6 What instrument is used to measure lung volumes during breathing?

- Ans**
- ☐ 1. Respirometer
 - ☐ 2. Sphygmomanometer
 - ☒ 3. Spirometer
 - ☐ 4. Barometer

Q.7 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.8 Which strategy DOES NOT promote sustainable development in agriculture?

- Ans**
- ☐ 1. Crop rotation and organic farming
 - ☐ 2. Use of drought-resistant crops
 - ☐ 3. Efficient irrigation systems
 - ☒ 4. Excessive use of chemical fertilizers

Q.9 The Planning Commission was the nodal body for central planning in India. Who served as the first Chairman of the Planning Commission?

- Ans**
- ☐ 1. BR Ambedkar
 - ☐ 2. CD Deshmukh
 - ☒ 3. Jawaharlal Nehru
 - ☐ 4. Sardar Vallabhbhai Patel

Q.10 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.11 What is the correct way to rename a file or folder using the right mouse button?

- Ans**
- ☐ 1. Left-click on the file → Press Delete → Type new name
 - ☐ 2. Right-click on the desktop → Select New → Rename
 - ☐ 3. Double-click on the file → Type new name
 - ☒ 4. Right-click on the file → Select Rename → Type new name → Press Enter

Q.12 DBW 371 (Karan Vrinda), DBW 303 (Karan Vaishnavi) and DBW 187 (Karan Vandana) are varieties of which crop in India?

- Ans**
- ☐ 1. Rice
 - ☐ 2. Tea
 - ☐ 3. Maize
 - ☒ 4. Wheat

Q.13 Which group of Indian islands lies in the Arabian Sea near the Malabar Coast and consists of coral islands?

- Ans**
- ✓ 1. Lakshadweep Islands
 - ✗ 2. Nicobar Islands
 - ✗ 3. Andaman Islands
 - ✗ 4. Sundarbans

Q.14 Which two countries signed an agreement on 22 May 2025, regarding the future of the Chagos Archipelago?

- Ans**
- ✗ 1. United States and Republic of Mauritius
 - ✓ 2. United Kingdom and Republic of Mauritius
 - ✗ 3. United Kingdom and Seychelles
 - ✗ 4. United Kingdom and India

Q.15 Where was rural development particularly emphasised in the Seventh Five-Year Plan?

- Ans**
- ✓ 1. Rural capital formation areas
 - ✗ 2. Foreign markets
 - ✗ 3. Industrial zones
 - ✗ 4. Urban centers

Q.16 Which Article allows the President to appoint a Commission to investigate the condition of socially and educationally backward classes?

- Ans**
- ✓ 1. Article 340
 - ✗ 2. Article 342
 - ✗ 3. Article 332
 - ✗ 4. Article 330

Q.17 Which is the first country to develop genome-based rice variety?

- Ans**
- ✓ 1. India
 - ✗ 2. The US
 - ✗ 3. China
 - ✗ 4. France

Q.18 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. 2.8 million tonnes
 - ✗ 2. 3.2 million tonnes
 - ✗ 3. 2.1 million tonnes
 - ✗ 4. 2.4 million tonnes

Q.19 Which of the following classical dance forms is known for storytelling through facial expressions and hand gestures, and comes from Tamil Nadu?

- Ans**
- ✗ 1. Kathak
 - ✗ 2. Odissi
 - ✓ 3. Bharatanatyam
 - ✗ 4. Kuchipudi

Q.20 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. Ground-based artillery support
 - ☐ 3. Naval operations
 - ☒ 4. Multi-layered defence protection

Q.21 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 42
 - ☐ 3. Article 45
 - ☐ 4. Article 47

Q.22 Which of the following schemes focuses on providing rural connectivity through all-weather roads?

- Ans**
- ☐ 1. Saansad Adarsh Gram Yojana
 - ☒ 2. Pradhan Mantri Gram Sadak Yojana
 - ☐ 3. RURBAN Mission
 - ☐ 4. Pradhan Mantri Awas Yojana-Gramin

Q.23 Who became the first artist to win Best Male Act three times at the 2025 MOBO Awards?

- Ans**
- ☐ 1. Stormzy
 - ☐ 2. Skepta
 - ☐ 3. Dave
 - ☒ 4. Central Cee

Q.24 Which of the following organisations in India developed the world's highest-resolution weather forecasting model in May 2025?

- Ans**
- ☒ 1. Indian Institute of Tropical Meteorology (IITM)
 - ☐ 2. India Meteorological Department (IMD)
 - ☐ 3. Indian Space Research Organisation (ISRO)
 - ☐ 4. National Centre for Medium Range Weather Forecasting (NCMRWF)

Q.25 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. Ministry of Electronics and Information Technology (MeitY)
 - ☐ 3. Telecom Regulatory Authority of India (TRAI)
 - ☒ 4. Central Consumer Protection Authority (CCPA)

Q.26 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.27 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.28 In Brahmadeya villages under the Pallavas, which caste predominantly managed the local Sabha assemblies?

- Ans**
- ✗ 1. Shudras
 - ✗ 2. Kshatriyas
 - ✓ 3. Brahmanas
 - ✗ 4. Vaishyas

Q.29 Bal Gangadhar Tilak gave which popular slogan to arouse nationalist sentiments among the Indians?

- Ans**
- ✓ 1. Swaraj is my birthright
 - ✗ 2. Inquilab Zindabad
 - ✗ 3. Quit India
 - ✗ 4. Vande Mataram

Q.30 Who acts as the real executive head in a state?

- Ans**
- ✗ 1. Governor
 - ✗ 2. Advocate General
 - ✓ 3. Chief Minister
 - ✗ 4. Speaker

Q.31 Which of the following sectors includes banking, communication and transport?

- Ans**
- ✓ 1. Tertiary
 - ✗ 2. Primary
 - ✗ 3. Quaternary
 - ✗ 4. Secondary

Q.32 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. Surya
 - ✗ 2. Indra
 - ✓ 3. Ashwini
 - ✗ 4. Vayu

Q.33 What was one recommendation of the Sarkaria Commission regarding Governors?

- Ans**
- ✗ 1. Governors should be military officers.
 - ✗ 2. Governors should only be politicians.
 - ✓ 3. Governors should be non-partisan.
 - ✗ 4. Governors should be elected by States.

Q.34 Which philosophical work did Rammohan Roy write in 1803 analysing world religions through reason and social relevance?

- Ans**
- ✗ 1. Hind Swaraj
 - ✓ 2. Tuhfat-ul Muwahhidin
 - ✗ 3. Precepts of Jesus
 - ✗ 4. Satyarth Prakash

Q.35 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.36 Who was the founder of the Mauryan Empire and established a centralised administrative system?

- Ans**
- ✗ 1. Brihadratha
 - ✗ 2. Ashoka
 - ✗ 3. Bindusara
 - ✓ 4. Chandragupta Maurya

Q.37 What is the primary aim of the National Urban Livelihoods Mission (NULM)?

- Ans**
- ✓ 1. Reducing urban poverty through skill development and self-employment
 - ✗ 2. Providing subsidised housing to rural workers
 - ✗ 3. Encouraging foreign investment in urban infrastructure
 - ✗ 4. Promoting smart cities in Tier-2 towns

Q.38 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 19th century
 - ✗ 4. Early 13th century

Q.39 In May 2025, which Indian organisation successfully completed the 'Har Shikhar Tiranga' mission by summiting Mt. Kangchenjunga?

- Ans**
- ✗ 1. Border Roads Organisation
 - ✗ 2. Himalayan Club
 - ✓ 3. National Institute of Mountaineering and Adventure Sports
 - ✗ 4. Indian Mountaineering Foundation

Q.40 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. Sainyam
 - ✗ 2. Divanshi
 - ✗ 3. Parisha Gupta
 - ✓ 4. Kanak

Section : Mathematics

Q.1 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. $M + N = 5$
 - ✗ 2. $M = N$
 - ✓ 3. $M - N = -5$
 - ✗ 4. $M - N = 1$

Q.2 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. 11.35%
 - ☐ 3. 19.59%
 - ☒ 4. 16.67%

Q.3 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. ₹417
 - ☐ 3. ₹570
 - ☒ 4. ₹464

Q.4 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. 50.4
 - ☒ 2. 51.4
 - ☐ 3. 52.4
 - ☐ 4. 53.4

Q.5 The average of first 174 even numbers is

- Ans**
- ☐ 1. 174.5
 - ☐ 2. 175.5
 - ☒ 3. 175
 - ☐ 4. 176

Q.6 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. ₹4,14,100
 - ☐ 4. ₹4,14,073

Q.7 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. ₹49
 - ☒ 2. ₹50
 - ☐ 3. ₹48
 - ☐ 4. ₹51

Q.8 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.9 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. 74 : 75
☒ 2. 75 : 77
☐ 3. 72 : 73
☐ 4. 73 : 82

Q.10 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. ₹690
☐ 2. ₹636
☐ 3. ₹685
☐ 4. ₹639

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. 165
☐ 2. 135
☒ 3. 145
☐ 4. 155

Q.12 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.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. 12,597
☒ 2. 12,600
☐ 3. 12,599
☐ 4. 12,602

Q.14 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 40^\circ$ and $\angle$

- Ans ☒ 1. 140°
☐ 2. 149°
☐ 3. 148°
☐ 4. 144°

Q.15 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. 3 km/hr
☐ 2. 10 km/hr
☒ 3. 2 km/hr
☐ 4. 8 km/hr

Q.16 The volume of a cube is 1728 cm^3 . Find its total surface area (in cm^2).

- Ans**
- ☐ 1. 784
 - ☒ 2. 864
 - ☐ 3. 764
 - ☐ 4. 884

Q.17 Evaluate: $(-9) - (-60) \div (-6) + (-4) \times 8$

- Ans**
- ☐ 1. -50
 - ☐ 2. -53
 - ☒ 3. -51
 - ☐ 4. -54

Q.18 Find the value of $[290 \div \{17 + 7 \times (2 - 3)\}]$.

- Ans**
- ☐ 1. 26
 - ☐ 2. 24
 - ☐ 3. 25
 - ☒ 4. 29

Q.19 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. ₹429
 - ☐ 3. ₹433
 - ☒ 4. ₹434

Q.20 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. 40
 - ☐ 3. 39
 - ☐ 4. 45

Q.21 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. 10
 - ☒ 2. 9
 - ☐ 3. 14
 - ☐ 4. 11

Q.22 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. 1
 - ☐ 2. $\sec A$
 - ☐ 3. $\sin A$
 - ☐ 4. 0

Q.23 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. 81 min
 - ☐ 2. 80 min
 - ☐ 3. 67 min
 - ☒ 4. 84 min

Q.24 Mohan bought some pens at the rate of ₹150/dozen. He sold them for ₹16 each. His profit percentage is ____%.

- Ans**
- ☐ 1. 32
 - ☐ 2. 26
 - ☐ 3. 30
 - ☒ 4. 28

Q.25 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. ₹6,460
 - ☐ 3. ₹6,600
 - ☐ 4. ₹6,800

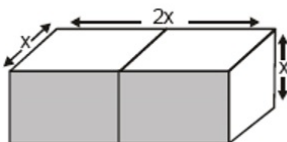
Q.26 *By how much is 65% of 65 greater than $\frac{3}{5}$ of 15?*

- Ans**
- ☐ 1. 27.25
 - ☐ 2. 30.25
 - ☒ 3. 33.25
 - ☐ 4. 31.25

Q.27 The LCM of the numbers 2.1 and 0.68 is:

- Ans**
- ☒ 1. 71.4
 - ☐ 2. 7.14
 - ☐ 3. 714
 - ☐ 4. 0.714

Q.28 Two cubes each of volume 125 cm^3 are joined end to end. The total surface area of the resulting cuboid is:



- Ans**
- ☒ 1. 250 cm^2
 - ☐ 2. 160 cm^2
 - ☐ 3. 125 cm^2
 - ☐ 4. 80 cm^2

Q.29 Which of the following numbers divides 889897?

- Ans** ☒ 1. 59
☐ 2. 52
☐ 3. 64
☐ 4. 69

Q.30 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. 67%
☐ 2. 70%
☐ 3. 68%
☒ 4. 69%

Section : General Intelligence and Reasoning

Q.1 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. 5 km to west
☐ 2. 6 km to west
☐ 3. 7 km to west
☐ 4. 8 km to west

Q.2 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. K
☐ 2. J
☐ 3. N
☐ 4. M

Q.3 What should come in place of the question mark (?) in the given series?

591 592 596 605 621 ?

- Ans** ☐ 1. 631
☐ 2. 641
☒ 3. 646
☐ 4. 636

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) 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. 3
☐ 4. 4

Q.5 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.6 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. QS-JS
 - ☐ 2. WY-PY
 - ☒ 3. SU-LP
 - ☐ 4. UW-NW

Q.7 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 south
 - ☒ 2. 12 km north
 - ☐ 3. 11 km north
 - ☐ 4. 10 km north

Q.8 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '-' and 'x' are interchanged?

$$15 - 3 \div 21 + 3 \times 36 = ?$$

- Ans**
- ☐ 1. 9
 - ☒ 2. 16
 - ☐ 3. 21
 - ☐ 4. 13

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

55 64 81 106 139 ?

- Ans**
- ☒ 1. 180
 - ☐ 2. 181
 - ☐ 3. 182
 - ☐ 4. 179

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. One
☐ 2. Three
☐ 3. Two
☐ 4. None

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. 26
☐ 2. 15
☐ 3. 21
☒ 4. 5

Q.12 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. Neither conclusion (I) nor (II) follows.
☒ 2. Both conclusions (I) and (II) follow.
☐ 3. Only conclusion (II) follows.
☐ 4. Only conclusion (I) follows.

Q.13 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. 24, 167
☐ 2. 11, 155
☒ 3. 36, 159
☐ 4. 28, 129

Q.14 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. Three
 - ☐ 2. None
 - ☒ 3. One
 - ☐ 4. Two

Q.15 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 father
 - ☒ 4. Wife's brother

Q.16 Prashant ranked 11th from the bottom and 23th from the top in his class. How many students are there in his class?

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

Q.17 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. RPH : PSK
 - ☐ 2. SCM : QFO
 - ☒ 3. WBI : UEG
 - ☐ 4. VRB : TUD

Q.18 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. Three
 - ☐ 2. One
 - ☐ 3. Four
 - ☒ 4. Two

Q.19 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 (I) follows.
 - ☒ 2. Neither conclusion (I) nor (II) follows.
 - ☒ 3. Only conclusion (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.20 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. 2
 - ☒ 3. 6
 - ☒ 4. 4

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 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.22 Shikhar ranked 38th from the top and 24th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 61
 - ☒ 2. 60
 - ☒ 3. 63
 - ☒ 4. 62

Q.23 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. MSJ 81
 - ☒ 4. MSI 79

Q.24 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. PSQ
 - ☐ 2. MSP
 - ☐ 3. SQP
 - ☒ 4. QMO

Q.25 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. 20
 - ☐ 2. 19
 - ☐ 3. 17
 - ☐ 4. 18

Q.26 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. 1
 - ☐ 2. 9
 - ☐ 3. 3
 - ☐ 4. 4

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. CN - GL
 - ☒ 2. JU - OS
 - ☐ 3. OA - SY
 - ☐ 4. GR - KP

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

550 551 555 556 560 561 ? 566

- Ans**
- ☐ 1. 563
 - ☐ 2. 564
 - ☐ 3. 567
 - ☒ 4. 565

Q.29 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. 1
 - ☐ 2. 2
 - ☐ 3. 5
 - ☒ 4. 3

Q.30 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. PEBD
 - ☒ 3. QEAE
 - ☐ 4. RDZF



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



Test Center Name	ION Digital Zone IDZ Thrissur
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Andaman and Nicobar Islands are separated by the ____.

- Ans**
- ☐ 1. 14° N parallel
 - ☐ 2. 16° N parallel
 - ☐ 3. 12° N parallel
 - ☒ 4. 10° N parallel

Q.2 Recipient of Padma Bhushan in 2025, Shri Pankaj R Patel was the Chairman of which of the following pharmaceutical companies of India in April 2025?

- Ans**
- ☐ 1. Sun Pharmaceutical Industries
 - ☐ 2. Dr. Reddy's Laboratories
 - ☒ 3. Zydus Lifesciences Limited
 - ☐ 4. Cipla

Q.3 In which case did the SC hold that judicial review is a basic feature of the Constitution?

- Ans**
- ☐ 1. Shankari Prasad case
 - ☒ 2. Kesavananda Bharati case
 - ☐ 3. Shah Bano Case
 - ☐ 4. Golaknath case

Q.4 What is a key feature of classical Indian drama?

- Ans**
- ☒ 1. Inclusion of Rasas
 - ☐ 2. Only dance
 - ☐ 3. Only comedy scenes
 - ☐ 4. No use of makeup

Q.5 As a tribute to 1857 hero Babu Kunwar Singh, the IAF Surya Kiran air show in April 2025 dazzled the skies of _____.

- Ans**
- ☐ 1. Bhagalpur
 - ☐ 2. Meerut
 - ☐ 3. Lucknow
 - ☒ 4. Patna

Q.6 How many deeps are found in the Indian Ocean?

- Ans**
- ☐ 1. Seven
 - ☐ 2. Eight
 - ☒ 3. Six
 - ☐ 4. Nine

Q.7 In a LAN setup, which of the following statements is true?

- Ans**
- ☐ 1. LAN requires satellite communication.
 - ☒ 2. LAN connects computers within a limited area like a home or office.
 - ☐ 3. LAN cannot share printers or files between devices.
 - ☐ 4. LAN is used to connect computers over a large geographical area.

Q.8 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.9 What is the primary objective of the AI-based BharatGen model launched by the Science and Technology Minister in June 2025?

- Ans**
- ☐ 1. To replace foreign AI tools used by Indian government agencies
 - ☐ 2. To develop quantum computing using indigenous algorithms only
 - ☒ 3. To advance AI across Indian languages and cultural frameworks
 - ☐ 4. To provide cloud services for AI startups across India and Asia

Q.10 In Lassaigne's test, which element is revealed by the formation of a precipitate of Prussian blue on heating part of the solution with iron (II) sulphate solution?

- Ans**
- ☐ 1. Hydrogen
 - ☐ 2. Oxygen
 - ☐ 3. Carbon
 - ☒ 4. Nitrogen

Q.11 Which of the following best defines globalisation in the context of post 1991 economic reforms in India?

- Ans**
- ☐ 1. Restriction on foreign investment
 - ☒ 2. Integration of Indian economy with the global economy
 - ☐ 3. Closing down of multinational companies
 - ☐ 4. Promotion of domestic trade only

Q.12 Which of the following is a tribal revolt led by the leader Birsa from Ranchi, which began as a religious movement and later turned to fight against the colonial land settlements, moneylenders and forest contractors?

- Ans**
- ☐ 1. Sannyasi revolt
 - ☐ 2. Wahabi movement
 - ☐ 3. Kuka rebellion
 - ☒ 4. Munda uprising

Q.13 After the fall of Mauryas, which dynasty was established by Pushyamitra Shunga, a commander-in-chief who killed the last Mauryan?

- Ans**
- ☒ 1. Shunga Dynasty
 - ☐ 2. Kanva Dynasty
 - ☐ 3. Satavahana Dynasty
 - ☐ 4. Gupta Dynasty

Q.14 India's renewable energy sector saw a record-breaking addition of 24.5 GW and 3.4 GW through which of the following in 2024, as per the Ministry of New and Renewable Energy data?

- Ans**
- ☐ 1. Biomass and Tidal
 - ☐ 2. Hydro and Geothermal
 - ☐ 3. Wind and Nuclear
 - ☒ 4. Solar and Wind

Q.15 The Partition of Bengal (1905) was justified by the British on the grounds of ____.

- Ans**
- ☐ 1. spread of education
 - ☐ 2. religious harmony
 - ☐ 3. economic prosperity
 - ☒ 4. administrative convenience

Q.16 What is the primary function of infrastructure in an economy?

- Ans**
- ☒ 1. Industrial and economic functioning
 - ☐ 2. Political campaigns
 - ☐ 3. Luxury consumption
 - ☐ 4. Entertainment and tourism

Q.17 70-75% people during the colonial period were engaged in _____.

- Ans**
- ☐ 1. the transport sector
 - ☐ 2. mining activities
 - ☐ 3. small scale industries
 - ☒ 4. agriculture activities

Q.18 Which of the following diseases is caused by a virus?

- Ans**
- ☒ 1. Measles
 - ☐ 2. Malaria
 - ☐ 3. Cholera
 - ☐ 4. Tuberculosis

Q.19 What is the low-pressure belt near the equator commonly known as?

- Ans**
- ☐ 1. Trade Wind Belt
 - ☐ 2. Polar Front
 - ☐ 3. Horse Latitudes
 - ☒ 4. Doldrums

Q.20 The famous Virupaksha temple of Pattadakal was built in the 8th century by the:

- Ans**
- ☐ 1. Pallavas
 - ☐ 2. Vardhanas
 - ☒ 3. Chalukyas
 - ☐ 4. Vakatakas

Q.21 Which convention, ratified in 1998, attempts to safeguard the environment and human health by encouraging shared accountability and collaboration in the global trade of pesticides and hazardous chemicals?

- Ans**
- ☐ 1. Paris Agreement
 - ☐ 2. Basel Convention
 - ☒ 3. Rotterdam Convention
 - ☐ 4. Stockholm Convention

Q.22 In the 2025 World Aquatics World Cup, which team did the Greece women's team defeat to win the gold medal for the first time?

- Ans**
- ☐ 1. Russia
 - ☐ 2. Spain
 - ☐ 3. Italy
 - ☒ 4. Hungary

Q.23 Which river valley project was developed with assistance from 'Tennessee Valley Authority (TVA)'?

- Ans**
- ☒ 1. Damodar Valley Project
 - ☐ 2. Nagarjuna Sagar Project
 - ☐ 3. Bhakra Nangal Project
 - ☐ 4. Tehri Project

Q.24 Which of the following digital initiatives aims to make the legislative proceedings of State and Union Territory Legislatures in India completely paperless?

- Ans**
- ☐ 1. e-Sansad
 - ☒ 2. National e-Vidhan Application (NeVA)
 - ☐ 3. Digital India Mission
 - ☐ 4. e-Governance for Legislators (eGL)

Q.25 The 'Connect India 2025' event organised by an Indian association in the USA called IAM, aimed to bring together partner organisations from which region?

- Ans**
- ☐ 1. Texas
 - ☐ 2. California
 - ☐ 3. New York
 - ☒ 4. Minnesota

Q.26 Where was India's first Vande Bharat Sleeper train unveiled in September 2024?

- Ans**
- ☒ 1. BEML Complex, Bengaluru
 - ☐ 2. Metro Rail Depot, Mumbai
 - ☐ 3. Rail Coach Factory, Kapurthala
 - ☐ 4. ICF, Chennai

Q.27 Which of the following is a distinct feature of a statutory corporation in India?

- Ans**
- ☐ 1. It has no legal existence separate from the government.
 - ☐ 2. It is fully owned by private shareholders and receives no government funding.
 - ☒ 3. It is created by a special Act, has independent legal status and can sue/be sued.
 - ☐ 4. Its employees are considered government civil servants under the usual rules.

Q.28 What is a distinctive feature of Warli paintings?

- Ans**
- ☒ 1. Geometric patterns and white pigment
 - ☐ 2. Use of bright colours
 - ☐ 3. Depiction of royal courts
 - ☐ 4. Use of gold leaf

Q.29 Which summit held in Kochi in February 2025 aimed to attract investments across various sectors in Kerala?

- Ans**
- ☒ 1. Invest Kerala Global Summit
 - ☐ 2. Kerala Economic Forum
 - ☐ 3. Kochi Investment Summit
 - ☐ 4. Kerala Development Conclave

Q.30 What is a key feature of the Waqf (Amendment) Act, 2025?

- Ans**
- ☐ 1. Nationalisation of all registered Waqf properties
 - ☐ 2. Abolition of all existing Waqf Boards
 - ☒ 3. Inclusion of Muslim women and all sects in boards
 - ☐ 4. Implementation of uniform civil code guidelines

Q.31 What percentage of India's population lived mostly in villages during the British colonial rule?

- Ans**
- ☐ 1. About 65%
 - ☐ 2. About 95%
 - ☒ 3. About 85%
 - ☐ 4. About 75%

Q.32 Which of the following states are covered under the Fifth Schedule of the Indian Constitution?

- Ans**
- ☒ 1. Jharkhand and Chhattisgarh
 - ☐ 2. Nagaland and Meghalaya
 - ☐ 3. Mizoram and Manipur
 - ☐ 4. Assam and Tripura

Q.33 Which of the following was an uprising led by traditional landed militia (foot soldiers) in Odisha?

- Ans**
- ☐ 1. Wahabi movement
 - ☐ 2. Ahom revolt
 - ☒ 3. Paika rebellion
 - ☐ 4. Faraizi revolt

Q.34 Which of the following is a non-statutory and non-constitutional body?

- Ans**
- ☒ 1. NITI Aayog
 - ☐ 2. National Human Rights Commission
 - ☐ 3. Attorney General of India
 - ☐ 4. Central Information Commission

Q.35 Which amendment abolished the privy purse and privileges of the former rulers of princely states?

- Ans**
- ☒ 1. Twenty-sixth Amendment Act, 1971
 - ☐ 2. Twenty-fourth Amendment Act, 1971
 - ☐ 3. Thirty-first Amendment Act, 1972
 - ☐ 4. Twenty-fifth Amendment Act, 1971

Q.36 Which of the following Indian brands has secured the second position in the Future Brand Index, 2024?

- Ans**
- ☒ 1. Reliance Industries Limited
 - ☐ 2. Tata Consultancy Services
 - ☐ 3. Larsen and Toubro
 - ☐ 4. Hindustan Unilever Limited

Q.37 Which ISRO mission, successfully completed in January 2025, demonstrated autonomous docking between two satellites?

- Ans**
- ☐ 1. Gaganyaan
 - ☐ 2. Chandrayaan-3
 - ☒ 3. SPADEX
 - ☐ 4. Aditya-L1

Q.38 Which Indian artist received the Asia Arts Pathbreaker Award at the 2025 Asia Arts Game Changer Awards, for her innovative contributions to contemporary art?

- Ans**
- ☐ 1. Anupam Sud
 - ☒ 2. Shilpa Gupta
 - ☐ 3. Bharti Kher
 - ☐ 4. Jayeeta Chatterjee

Q.39 In news in 2025, which state announced plans to create India's first Quantum Computing Village?

- Ans**
- ☒ 1. Andhra Pradesh
 - ☐ 2. Punjab
 - ☐ 3. Karnataka
 - ☐ 4. Himachal Pradesh

Q.40 Which of the following is the correct way to create a new folder on the desktop in Windows?

- Ans**
- ☐ 1. Open Task Manager → Click on New Folder
 - ☐ 2. Press Ctrl + S on desktop
 - ☒ 3. Right-click on desktop → New → Folder
 - ☐ 4. Drag an icon from Start Menu to desktop

Section : Mathematics

Q.1 Find the simple interest (in ₹) on ₹4,000 at 6.75% per annum rate of interest deposited on 21 February 2024 and withdrawn on 22 April 2024.

- Ans**
- ☐ 1. ₹43
 - ☐ 2. ₹44
 - ☒ 3. ₹45
 - ☐ 4. ₹46

Q.2 Sapna invested ₹21,900 on simple interest, partly at 14% per annum and partly at 10% per annum. If she earns equal interests from the two investments after 2 years, then find the sum invested at 14% per annum (in ₹).

- Ans**
- ☐ 1. 9,124
 - ☐ 2. 9,123
 - ☒ 3. 9,125
 - ☐ 4. 9,128

Q.3 The average of first 167 even numbers is

- Ans**
- ☐ 1. 168.5
 - ☐ 2. 167.5
 - ☐ 3. 169
 - ☒ 4. 168

Q.4 P, Q and R started a business investing amounts of ₹2,030, ₹1,700, and ₹1,010, respectively. If Q's share in the profit earned by them is ₹975. what is the difference in the profit (in ₹) earned by P and R?

- Ans**
- ☐ 1. ₹586
 - ☐ 2. ₹583
 - ☒ 3. ₹585
 - ☐ 4. ₹584

Q.5 If the third proportional of 32 and 24 is x, then what is the value of x?

- Ans
- ☐ 1. 20
 - ☐ 2. 17
 - ☐ 3. 16
 - ☒ 4. 18

Q.6 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 40^\circ$. E is a point on BC such that $\angle CAE = 37^\circ$. What is the measure of $\angle AEB$?

- Ans
- ☐ 1. 83°
 - ☒ 2. 87°
 - ☐ 3. 99°
 - ☐ 4. 78°

Q.7 Find the value of $\frac{\cos^6 \theta + \sin^6 \theta + 3 \sin^2 \theta \cos^2 \theta}{\operatorname{cosec} \theta \sec \theta ((\sin \theta + \cos \theta)^2 - 1)}$.

- Ans
- ☐ 1. $\frac{1}{3}$
 - ☒ 2. $\frac{1}{2}$
 - ☐ 3. $\frac{1}{4}$
 - ☐ 4. $-\frac{1}{2}$

Q.8 The radius of a sphere is 16 cm. Find its surface area.

- Ans
- ☐ 1. $512\pi \text{ cm}^2$
 - ☒ 2. $1024\pi \text{ cm}^2$
 - ☐ 3. $341\pi \text{ cm}^2$
 - ☐ 4. $768\pi \text{ cm}^2$

Q.9 The average price of three items of furniture is ₹5,310. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

- Ans
- ☐ 1. 7,434
 - ☐ 2. 5,310
 - ☒ 3. 3,186
 - ☐ 4. 1,062

Q.10 A train overtakes two persons walking along a railway track. The first one walks at 9 km/hr. The other one walks at 12.6 km/hr. The train needs 13.5 and 15 seconds, respectively, to overtake them. What is the speed of the train if both the persons are walking in the same direction as the train?

- Ans
- ☐ 1. 38 km/hr
 - ☒ 2. 45 km/hr
 - ☐ 3. 35 km/hr
 - ☐ 4. 44 km/hr

Q.11 ₹28,000 were divided among A, B and C, such that 2 times the share of A = 9 times the share of B = 6 times the share of C. Find the share of A.

- Ans
- ☒ 1. ₹18,000
 - ☐ 2. ₹17,845
 - ☐ 3. ₹18,140
 - ☐ 4. ₹18,195

Q.12

Simplify: $3\left(\left(\frac{5}{3}\right)x^2 - 28x + 15\right) - 5(x^2 + 6x - 15)$

- Ans
- ☐ 1. $-114x - 120$
 - ☐ 2. $114x - 120$
 - ☐ 3. $114x + 120$
 - ☒ 4. $-114x + 120$

Q.13 A man driving a car at a speed of 79 km/hr crosses a bridge in 3.6 minutes. Find the length of the bridge.

- Ans
- ☐ 1. 4.21 km
 - ☐ 2. 4.01 km
 - ☐ 3. 4.88 km
 - ☒ 4. 4.74 km

Q.14 The total surface area of a cube having side 40 cm is:

- Ans
- ☒ 1. 9600 cm^2
 - ☐ 2. 9564 cm^2
 - ☐ 3. 9628 cm^2
 - ☐ 4. 9632 cm^2

Q.15 The HCF of two numbers is 16 and their LCM is 240. If one number is 48, find the other number.

- Ans
- ☐ 1. 64
 - ☐ 2. 70
 - ☒ 3. 80
 - ☐ 4. 72

Q.16 The cost of 7 pens and 8 pencils is ₹230. If the cost of a pen decreases by ₹1 and the cost of a pencil increases by ₹7, then the cost of 14 pens and 4 pencils is ₹150. What is the original cost of 8 pens and 8 pencils?

- Ans
- ☐ 1. ₹229
 - ☐ 2. ₹230
 - ☐ 3. ₹228
 - ☒ 4. ₹232

Q.17 Given that $7^{0.07} = x$, $7^{0.07} = y$ and $x^z = y^3$, then the value of z is close to:

- Ans
- ☐ 1. 5.42
 - ☐ 2. 3.41
 - ☐ 3. 1.23
 - ☒ 4. 3

Q.18 If 2 times the age of Ram is 25 years more than 9 times the age of Ramya, and 5 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. 77
 - ☐ 2. 74
 - ☐ 3. 75
 - ☒ 4. 72

Q.19 Find the value of $57^{-8} \div 57^{17} \times 57^{-18}$.

- Ans
- ☒ 1. 57^{-43}
 - ☐ 2. 57^{-36}
 - ☐ 3. 57^{-46}
 - ☐ 4. 57^{-45}

Q.20 Hema can do a certain piece of work in 30 days. Hema and Raji can together do the same work in 22 days, and Hema, Raji and Smitha can do the same work together in 15 days. In how many days can Hema and Smitha do the same work together?

- Ans
- ☐ 1. $\frac{51}{5}$
 - ☒ 2. $\frac{55}{3}$
 - ☐ 3. $\frac{45}{4}$
 - ☐ 4. $\frac{62}{3}$

Q.21 In an election between two candidates 92 % of the registered voters cast their vote and 20 % of the votes polled were found invalid. Winning candidate got 75 % of the valid votes and won the election by a margin of 322 votes. How many voters were registered?

- Ans
- ☒ 1. 875
 - ☐ 2. 873
 - ☐ 3. 3123
 - ☐ 4. 877

Q.22 The number of prime numbers lying between 389 and 403, both included, is:

- Ans
- ☐ 1. 8
 - ☐ 2. 1
 - ☒ 3. 3
 - ☐ 4. 6

Q.23 By how much is 65% of 65 greater than $\frac{3}{5}$ of 55?

- Ans
- ☐ 1. 3.25
 - ☐ 2. 6.25
 - ☐ 3. 7.25
 - ☒ 4. 9.25

Q.24 A can lay railway track between two given stations in 22 days and B can do the same job in 10 days. With the help of C, they did the job in 2 days only. Then, C alone can do the job in

Ans

☐ 1. $8\frac{32}{39}$ days

☐ 2. $11\frac{32}{39}$ days

☒ 3. $2\frac{32}{39}$ days

☐ 4. $12\frac{32}{39}$ days

Q.25 A wholesaler gives a scheme discount of 10% on a marked price of ₹400. What is the selling price?

Ans

☒ 1. ₹360

☐ 2. ₹370

☐ 3. ₹380

☐ 4. ₹350

Q.26 An item marked for ₹38,800 is available on a discount of 25% or two successive discounts of 10% and 15%. What is the difference between the selling prices in the discount schemes?

Ans

☐ 1. ₹800

☐ 2. ₹628

☐ 3. ₹825

☒ 4. ₹582

Q.27 The H.C.F. and the L.C.M. of two numbers are 5 and 495, respectively. If one of the numbers is 55, find the other one.

Ans

☒ 1. 45

☐ 2. 64

☐ 3. 9

☐ 4. 8

Q.28 The selling price of 40 books is equal to the cost price of 28 books. Find the loss or gain percentage.

Ans

☐ 1. $\frac{100}{12}\%$ loss

☒ 2. 30% loss

☐ 3. $\frac{100}{12}\%$ gain

☐ 4. 30% gain

Q.29 Which of the following numbers divides 747579723?

Ans

☒ 1. 11

☐ 2. 13

☐ 3. 8

☐ 4. 9

Q.30 I bought two frocks for ₹1,200. I sold the first one at a loss of 7% and the second at a gain of 23%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first frock.

- Ans**
- ☐ 1. 904
 - ☐ 2. 944
 - ☐ 3. 940
 - ☒ 4. 920

Section : General Intelligence and Reasoning

Q.1 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) 7 1 * £ 5 9 # @ 8 \$ & + 3 2 4 6 % Ω (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. 1
 - ☐ 2. 3
 - ☐ 3. 4
 - ☒ 4. 2

Q.2 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$65 \times 5 - 19 \div 3 + 25 = ?$$

- Ans**
- ☐ 1. 46
 - ☐ 2. 44
 - ☒ 3. 45
 - ☐ 4. 40

Q.3 What should come in place of the question mark (?) in the given series?
3, -2, -12, -32, -72, ?

- Ans**
- ☐ 1. -135
 - ☐ 2. -125
 - ☐ 3. -124
 - ☒ 4. -152

Q.4 What should come in place of the question mark (?) in the given series?

512 513 505 532 468 ?

- Ans**
- ☐ 1. 597
 - ☐ 2. 587
 - ☐ 3. 583
 - ☒ 4. 593

Q.5 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GBD 14, KFH 17, OJL 20, SNP 23, ?

- Ans**
- ☒ 1. WRT 26
 - ☐ 2. WTS 26
 - ☐ 3. VTR 25
 - ☐ 4. VRT 26

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 fathers are brothers.

All brothers are sons.

Conclusions:

(I) All fathers are sons.

(II) All brothers are fathers.

- 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.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.)

(52, 100, 196)

(65, 126, 248)

- Ans**
- ☐ 1. (72, 140, 256)
 - ☒ 2. (68, 132, 260)
 - ☐ 3. (56, 108, 202)
 - ☐ 4. (94, 184, 264)

Q.8 In a certain code language, 'this is lethal' is coded as 'po ko re' and 'she is happy' is coded as 're lo ao'. How is 'is' coded in the given language?

- Ans**
- ☐ 1. ao
 - ☒ 2. re
 - ☐ 3. ko
 - ☐ 4. po

Q.9 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.

TRIM - ITRM - MIRT

MIST - SMIT - TSIM

- Ans**
- ☐ 1. FOLD - FLOD - DLOF
 - ☐ 2. PLAY - APLY - LAYP
 - ☒ 3. CLUE - UCLE - EULC
 - ☐ 4. WEST - EWST - TESW

Q.10 Xheik starts from Point A and drives 18 km towards East. He then takes a left turn, drives 4 km, turns left and drives 21 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. 6 km to the East
 - ☐ 2. 6 km to the North
 - ☐ 3. 5 km to the South
 - ☒ 4. 5 km to the North

Q.11 Seven boxes V, W, X, Y, Z, Q and R are kept one over the other but not necessarily in the same order. Y is kept immediately above Q. W is kept immediately above Z. Only X is kept above V. Only two boxes are kept above Y. W is not kept at third position from the bottom. How many boxes are kept between R and X?

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

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 conclusion(s) logically follow(s) from the statement(s).

Statements:

All Hummingbirds are Storks.
Some Storks are Flamingos.

Conclusions:

I. Some Hummingbirds are Flamingos.
II. No Flamingos are Hummingbirds.

- 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 If 1 is added to each even digit of the number 36719542, then what will be the product of the digits that are repeated more than once in the new number formed?

- Ans**
- ☒ 1. 105
 - ☐ 2. 21
 - ☐ 3. 35
 - ☐ 4. 15

Q.14 What should come in place of the question mark (?) in the given series?

160 151 140 127 112 ?

- Ans**
- ☐ 1. 93
 - ☒ 2. 95
 - ☐ 3. 84
 - ☐ 4. 91

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. PIR
☐ 2. IBJ
☐ 3. KDL
☐ 4. NGO

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.

F is kept immediately above G. A is kept immediately above C. Only E is kept above B. Only two boxes are kept above F. A is not kept at third position from the bottom. How many boxes are kept above C?

- Ans** ☒ 1. Six
☐ 2. Five
☐ 3. Three
☐ 4. Four

Q.17 Mr. Toni ranked 69th from the top and 13th from the bottom in his class. How many students are there in his class?

- Ans** ☐ 1. 82
☐ 2. 83
☐ 3. 80
☒ 4. 81

Q.18 In a certain code language, 'GIFT' is coded as '7529' and 'FITS' is coded as '2596'. What is the code for 'S' in the given code language?

- Ans** ☒ 1. 6
☐ 2. 2
☐ 3. 9
☐ 4. 5

Q.19 What will come in place of the question mark (?) in the following equation if '×' and '÷' are interchanged and '-' and '+' are interchanged?

$$32 \div 2 \times 72 - 9 + 5 = ?$$

- Ans** ☐ 1. 71
☐ 2. 73
☐ 3. 72
☒ 4. 70

Q.20 A, B, C, D, E, F and G are sitting around a circular table facing the centre. C sits to the immediate right of D. Only three people sit between C and G when counted from the left of C. Only three people sit between D and B. A sits to the immediate right of F. How many people sit between C and A when counted from the right of C?

- Ans** ☐ 1. 1
☐ 2. 2
☒ 3. 4
☐ 4. 3

- Q.21** 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.22** 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 5 > > 4 9 \ 6 ^ \ / (Right)

How many such numbers are there that are immediately preceded by a symbol and also immediately followed by a symbol?

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

- Q.23** Tina starts from Point Y and drives 4 km towards north. Then, she takes a left turn and drives 2 km, she turns left again and drives 6 km. She then takes a left turn and drives 4 km. Then, she turns right and drives 4 km. She then takes a final right turn and drives 2 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. 2 km towards south
☐ 2. 2 km towards west
☐ 3. 4 km towards east
☒ 4. 6 km towards north

- Q.24** 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 GLM-31 EOI-42 ?

- Ans** ☒ 1. CRE-55
☐ 2. RES-54
☐ 3. RDG-55
☐ 4. GTR-54

- Q.25** L, M, N, O, Q, R, and S are sitting around a circular table facing the centre of the table. L sits fourth to the right of R. Only two people sit between Q and N when counted from the left of Q. M sits third to the left of O. S is an immediate neighbor of O and N.

How many people sit between L and S when counted from the left of S?

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

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.

MICE - EMCI - MEIC
DEAR - RDAE - DREA

- Ans**
- ☒ 1. AGES - SAGE - GESA
 - ☒ 2. AXLE - EALX - AXEL
 - ☒ 3. GUST - TGSU - GTUS
 - ☒ 4. NUTS - UNTS - SUTN

Q.27 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

VTM : ZQQ
DNU : HKY

- Ans**
- ☒ 1. YFH : CAL
 - ☒ 2. LHC : PEG
 - ☒ 3. MHE : PCH
 - ☒ 4. KZQ : PWL

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. CP - XS
 - ☒ 2. IY - DA
 - ☒ 3. NH - IJ
 - ☒ 4. TM - OO

Q.29 If 1 is subtracted from each even digit of the number 97145286, find the sum of the digits that are repeated more than once in the new number thus formed.

- Ans**
- ☒ 1. 8
 - ☒ 2. 12
 - ☒ 3. 6
 - ☒ 4. 13

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. FZVR
 - ☒ 2. AUPM
 - ☒ 3. EYTQ
 - ☒ 4. BVQN



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 Center Name	Shree Vinayak Institute
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 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.2 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. Leh, Ladakh
 - ☐ 2. Thimphu, Bhutan
 - ☐ 3. Umroi, Meghalaya
 - ☒ 4. Ulaanbaatar, Mongolia

Q.3 Which trio of leaders is famously associated with the rise of Extremist ideology in Indian nationalism?

- Ans**
- ☐ 1. Aurobindo-Lajpat Rai-Gokhale
 - ☒ 2. Lal-Bal-Pal
 - ☐ 3. Nehru-Gandhi-Patel
 - ☐ 4. Gokhale-Tilak-Gandhi

Q.4 Which physical feature marks the northeastern boundary of the Peninsular Block?

- Ans**
- ☐ 1. Aravalli Range
 - ☐ 2. Western Ghats
 - ☐ 3. Eastern Ghats
 - ☒ 4. Malda fault

Q.5 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 Bombay
 - ☒ 2. IIT Guwahati
 - ☐ 3. IIT Madras
 - ☐ 4. IIT Delhi

Q.6 Which type of mountain range is formed by the uplifted folded sedimentary rocks?

- Ans**
- ☐ 1. Volcanic Mountains
 - ☐ 2. Block Mountains
 - ☐ 3. Residual Mountains
 - ☒ 4. Fold Mountains

Q.7 Which of the following best explains why adult literacy varies significantly across Indian states?

- Ans**
- ☐ 1. Variations in population density
 - ☐ 2. Different climate zones
 - ☒ 3. Socio-economic and educational disparities
 - ☐ 4. Unequal industrial development

Q.8 The Green Revolution in India primarily led to an increase in the production of which crops?

- Ans**
- ☒ 1. Wheat and Rice
 - ☐ 2. Wheat and Sugarcane
 - ☐ 3. Rice and Maize
 - ☐ 4. Rice and Pulses

Q.9 In which of the following years was Burhan-ul-Mulk appointed the Nazim of Awadh?

- Ans**
- ☐ 1. 1702
 - ☐ 2. 1732
 - ☐ 3. 1712
 - ☒ 4. 1722

Q.10 Who was sworn in as the 52nd Chief Justice of India on 14 May 2025?

- Ans**
- ☐ 1. Justice Uday Umesh Lalit
 - ☐ 2. Justice Dhananjaya Y Chandrachud
 - ☐ 3. Justice Sanjiv Khanna
 - ☒ 4. Justice Bhushan Ramakrishna Gavai

Q.11 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. 2010
 - ☐ 2. 2008
 - ☒ 3. 2005
 - ☐ 4. 2007

Q.12 'Blossom Shower' triggers the blossoming of the flowers of which crops in Kerala and nearby areas?

- Ans**
- ☐ 1. Cotton
 - ☐ 2. Sunflower
 - ☒ 3. Coffee
 - ☐ 4. Tea

Q.13 Which soil is acidic in nature and found in high rainfall areas?

- Ans**
- ☐ 1. Black soil
 - ☐ 2. Red soil
 - ☒ 3. Laterite soil
 - ☐ 4. Alluvial soil

Q.14 Which player was honoured with the 2025 Football Writers' Association Men's Footballer of the Year award?

- Ans** ☒ 1. Mohamed Salah
 ☐ 2. Bukayo Saka
 ☐ 3. Erling Haaland
 ☐ 4. Harry Kane

Q.15 Which Five Year Plan marked the beginning of the Green Revolution in India?

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

Q.16 The primary cause for the rise of Jainism and Buddhism was the religious unrest in India in the ____.

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

Q.17 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. Central Judicial Commission
 ☐ 4. Supreme Council of Judges

Q.18 In April 2025, which defence subsidiary signed a landmark defence MoU with Slovakia aimed at boosting India's indigenous defence manufacturing capabilities?

- Ans** ☐ 1. BrahMos Aerospace Pvt Ltd
 ☐ 2. Paras Defence and Space Technologies Ltd
 ☒ 3. Airbornics Defence & Space Pvt Ltd
 ☐ 4. NewSpace India Ltd

Q.19 The provision of early childhood care and education to children below six years of age was introduced by which Constitutional Amendment?

- Ans** ☐ 1. Forty-fourth Amendment Act, 1978
 ☒ 2. Eighty-sixth Amendment Act, 2002
 ☐ 3. Forty-second Amendment Act, 1976
 ☐ 4. Seventy-fourth Amendment Act, 1992

Q.20 The RTI Act applies to which of the followings in India?

- Ans** ☐ 1. Only Judiciary
 ☐ 2. Only Central Government
 ☐ 3. Only State Government
 ☒ 4. All Public Authorities

Q.21 Which of the following organisations is NOT related to the development of 'DIGIPIN', which was launched in 2025?

- Ans** ☒ 1. DRDO
 ☐ 2. Department of Posts
 ☐ 3. ISRO
 ☐ 4. IIT Hyderabad

Q.22 Which of the following elements is NOT generally found in proteins?

- Ans**
- ☐ 1. Hydrogen
 - ☐ 2. Carbon
 - ☐ 3. Nitrogen
 - ☒ 4. Phosphorus

Q.23 During the period of medieval Indian literature, which language began to decline as the dominant medium for Buddhist literary expression and scholarship?

- Ans**
- ☐ 1. Apabhramsha
 - ☒ 2. Pali
 - ☐ 3. Sanskrit
 - ☐ 4. Prakrit

Q.24 Which of the following helps in organizing files?

- Ans**
- ☐ 1. Not saving any files
 - ☒ 2. Naming files meaningfully
 - ☐ 3. Placing all files on the desktop
 - ☐ 4. Saving all files in one folder

Q.25 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 train for desert warfare
 - ☐ 3. To build new submarines jointly with France
 - ☐ 4. To launch new defence satellites

Q.26 What is the primary purpose of introducing e-passports in India in May 2025?

- Ans**
- ☐ 1. To change the colour of the passport cover
 - ☐ 2. To increase the number of pages in the passport
 - ☐ 3. To reduce the cost of passport production
 - ☒ 4. To enhance security and prevent identity fraud

Q.27 What did the Supreme Court direct regarding the investigation of 171 alleged fake encounters in Assam?

- Ans**
- ☐ 1. Dismissed the allegations
 - ☒ 2. Ordered the Assam Human Rights Commission to investigate
 - ☐ 3. Declared the encounters justified
 - ☐ 4. Ordered the Assam Human Rights Commission to transferred the cases to the CBI

Q.28 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. Deepa Mehta
 - ☐ 2. Mira Nair
 - ☐ 3. Zoya Akhtar
 - ☒ 4. Payal Kapadia

Q.29 Who has the authority to transfer judges of the High Courts in India?

- Ans**
- ☐ 1. Chief Justice of India acting on behalf of the Supreme Court
 - ☐ 2. Parliament of India
 - ☐ 3. Chief Minister of the State
 - ☒ 4. President of India

Q.30 In India, the area under 'Permanent Pastures and Grazing Lands' is mostly owned by:

- Ans**
- ☐ 1. the Forest Department
 - ☐ 2. cooperatives
 - ☐ 3. private companies
 - ☒ 4. Village Panchayats

Q.31 Pitt's India Act of 1784 established which of the following bodies?

- Ans**
- ☒ 1. Board of Control
 - ☐ 2. Dual Government in Bengal
 - ☐ 3. Indian Civil Services
 - ☐ 4. Supreme Court at Calcutta

Q.32 Mahavdev Govind Ranade devoted his entire life to the _____.

- Ans**
- ☐ 1. Servants of India Society
 - ☐ 2. Deva Samaj
 - ☒ 3. Prarthana Samaj
 - ☐ 4. Theosophical Society

Q.33 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. 679
 - ☐ 2. 655
 - ☐ 3. 641
 - ☒ 4. 683

Q.34 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. Anil Kumar Boro
 - ☐ 2. Prof. MT Vasudevan Nair
 - ☐ 3. Prof. Sushil Kumar Modi
 - ☐ 4. Prof. Nandamuri Balakrishna

Q.35 Which of the following is NOT a state function or state variable in a thermodynamic system?

- Ans**
- ☒ 1. Work
 - ☐ 2. Enthalpy
 - ☐ 3. Internal energy
 - ☐ 4. Pressure

Q.36 Developing countries have often experienced mixed outcomes from globalisation. Which of the following is a potential disadvantage of globalisation for developing economies?

- Ans**
- ☒ 1. Unequal income distribution
 - ☐ 2. Export growth
 - ☐ 3. Transfer of technology
 - ☐ 4. Job creation

Q.37 Which 2025 book by Pankaj Mishra examines Middle Eastern conflicts in a global context?

- Ans**
- ☐ 1. Echoes of the East
 - ☐ 2. Beyond Borders
 - ☐ 3. Global Turmoil
 - ☒ 4. The World After Gaza

Q.38 Which of the following statements about the Council of Ministers is correct?

- Ans**
- ☐ 1. All members of the Council of Ministers are part of the Cabinet.
 - ☐ 2. Ministers of State rank higher than Cabinet Ministers.
 - ☒ 3. Cabinet Ministers are a smaller group within the Council of Ministers.
 - ☐ 4. The Council of Ministers is appointed by the Chief Justice.

Q.39 While multitasking, which of the following best describes what happens when Alt + Tab is used repeatedly?

- Ans**
- ☒ 1. It cycles through open applications in the order of last use.
 - ☐ 2. It locks the computer.
 - ☐ 3. It opens the Task Manager.
 - ☐ 4. It closes the active window.

Q.40 Yakshagana is a folk theatre form from which of the following states of India?

- Ans**
- ☐ 1. Tamil Nadu
 - ☐ 2. Gujarat
 - ☒ 3. Karnataka
 - ☐ 4. Punjab

Section : Mathematics

Q.1 The number 889897 is divisible by which of the following?

- Ans**
- ☐ 1. 52
 - ☐ 2. 69
 - ☒ 3. 59
 - ☐ 4. 64

Q.2 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. 4,351
 - ☒ 2. 4,350
 - ☐ 3. 4,347
 - ☐ 4. 4,352

Q.3 Which of the following numbers divides 44,43,48,269?

- Ans**
- ☐ 1. 9
 - ☐ 2. 12
 - ☒ 3. 19
 - ☐ 4. 10

Q.4 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. ₹5,400
 - ☒ 2. ₹7,200
 - ☐ 3. ₹6,200
 - ☐ 4. ₹7,000

Q.5 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. 57
 - ☒ 2. 47
 - ☐ 3. 62
 - ☐ 4. 67

Q.6 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. 530 % loss
 - ☐ 2. $\frac{530}{13}$ % profit
 - ☐ 3. $\frac{540}{13}$ % profit
 - ☒ 4. $\frac{530}{13}$ % loss

Q.7 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. 376 cm^2
 - ☐ 2. 312 cm^2
 - ☐ 3. 488 cm^2
 - ☐ 4. 160 cm^2

Q.8 The LCM of the numbers 14.2 and 0.05 is:

- Ans**
- ☐ 1. 142
 - ☐ 2. 1.42
 - ☒ 3. 14.2
 - ☐ 4. 0.142

Q.9 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.10 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. ₹48
 - ☐ 2. ₹51
 - ☐ 3. ₹49
 - ☒ 4. ₹50

Q.11 The sides of a triangle are 14 cm, 48 cm, and 50 cm. What is its area? (in cm^2)

- Ans**
- ☐ 1. 321
 - ☒ 2. 336
 - ☐ 3. 324
 - ☐ 4. 314

Q.12 By how much is 65% of 65 greater than $\frac{1}{5}$ of 25?

- Ans**
- ☒ 1. 37.25
 - ☐ 2. 31.25
 - ☐ 3. 34.25
 - ☐ 4. 35.25

Q.13 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. $\frac{17}{36}$
 - ☐ 2. $\frac{29}{36}$
 - ☒ 3. $\frac{19}{36}$
 - ☐ 4. $\frac{25}{36}$

Q.14 The value of $\sqrt{196} + \sqrt{0.0225} - \sqrt{5.76}$ is _____.

- Ans**
- ☐ 1. 12.78
 - ☐ 2. 11.1
 - ☒ 3. 11.75
 - ☐ 4. 14.68

Q.15 Find the mean proportional of 400 and 4.

- Ans**
- ☒ 1. 40
 - ☐ 2. 37
 - ☐ 3. 39
 - ☐ 4. 41

Q.16 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. 72.97
 - ☐ 2. 70.72
 - ☐ 3. 71.81
 - ☒ 4. 70.06

Q.17 The sum of the squares of two consecutive even natural numbers is 164. The sum of the numbers is:

- Ans**
- ☐ 1. 32
 - ☒ 2. 18
 - ☐ 3. 8
 - ☐ 4. 16

Q.18 The number of prime numbers lying between 430 and 443, both included, is:

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

Q.19 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. 50%
 - ☐ 2. 30%
 - ☐ 3. 20%
 - ☒ 4. 40%

Q.20

Simplify: $\frac{(\tan A - \cot B)}{(\tan B - \cot A)}$

- Ans**
- ☐ 1. $\tan B \cot A$
 - ☒ 2. $\tan A \cot B$
 - ☐ 3. $\sin B \cos A$
 - ☐ 4. $\sin A \cos B$

Q.21 Evaluate: $(-9) - (-60) \div (-10) + (-3) \times 7$

- Ans**
- ☐ 1. -39
 - ☐ 2. -38
 - ☒ 3. -36
 - ☐ 4. -35

Q.22 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. 53%
 - ☐ 2. 47%
 - ☒ 3. 50%
 - ☐ 4. 48%

Q.23 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. 15
 - ☐ 2. 10
 - ☐ 3. 13
 - ☒ 4. 18

Q.24 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 36^\circ$ and $\angle$

- Ans
- ☐ 1. 163°
 - ☐ 2. 159°
 - ☒ 3. 80°
 - ☐ 4. 186°

Q.25 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. $\frac{84}{7}$
 - ☒ 2. $\frac{75}{7}$
 - ☐ 3. $\frac{68}{9}$
 - ☐ 4. $\frac{71}{8}$

Q.26 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. 13
 - ☐ 3. 22
 - ☐ 4. 20

Q.27 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. 2,268
 - ☐ 2. 2,192
 - ☐ 3. 1,968
 - ☐ 4. 2,098

Q.28 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. ₹95,828
 - ☒ 2. ₹96,000
 - ☐ 3. ₹95,804
 - ☐ 4. ₹95,898

Q.29 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. 168 km/hr
 - ☐ 3. 171 km/hr
 - ☐ 4. 165 km/hr

Q.30 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. ₹1,391
 - ☒ 2. ₹1,232
 - ☐ 3. ₹1,181
 - ☐ 4. ₹1,302

Section : General Intelligence and Reasoning

Q.1 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. Tiya
 - ☐ 2. Jiya
 - ☐ 3. Varun
 - ☒ 4. Shyam

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. RTO
 - ☐ 2. PRN
 - ☐ 3. VXT
 - ☐ 4. TVR

Q.3 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. 10 km; south
 - ☐ 2. 13 km; south
 - ☐ 3. 12 km; south
 - ☐ 4. 11 km; south

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. 6
 - ☐ 2. 7
 - ☐ 3. 5
 - ☐ 4. 1

Q.5 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. ZLE
 - ☐ 2. ZIE
 - ☐ 3. ZEL
 - ☒ 4. ZEI

Q.6 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. Four
 - ☐ 2. Two
 - ☒ 3. Three
 - ☐ 4. One

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

800, 1100, 850, 1150, 900, ?

- Ans**
- ☒ 1. 1200
 - ☐ 2. 600
 - ☐ 3. 650
 - ☐ 4. 1150

Q.8 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. 3
 - ☐ 2. 1
 - ☐ 3. 2
 - ☒ 4. 4

Q.9 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. 62
 - ☒ 2. 64
 - ☐ 3. 66
 - ☐ 4. 68

Q.10 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. 1
 - ☐ 2. 2
 - ☐ 3. 3
 - ☒ 4. 0

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

28 49 72 97 124 ?

- Ans**
- ☐ 1. 172
 - ☐ 2. 144
 - ☐ 3. 166
 - ☒ 4. 153

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

- Q.13** If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$6 - 3 + 77 \times 7 \div 11 = ?$$

- Ans**
- ☒ 1. 18
 - ☐ 2. 35
 - ☐ 3. 28
 - ☐ 4. 21

- 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 fans are bulbs.

No bulb is a geyser.

Conclusions:

(I): No fan is a geyser.

(II): No geyser is a bulb.

- 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.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. HDI
 - ☐ 2. LHM
 - ☒ 3. EAG
 - ☐ 4. PLQ

Q.16 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. JUYT
 - ☒ 2. IKJG
 - ☐ 3. IKOP
 - ☐ 4. JUIY

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.)

86, 286
48, 248

- Ans**
- ☐ 1. 70, 280
 - ☐ 2. 78, 378
 - ☐ 3. 45, 235
 - ☒ 4. 65, 265

Q.18 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. AIFB
 - ☐ 3. IABF
 - ☐ 4. IAFB

Q.19 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. 9 km towards south
 - ☒ 4. 7 km towards west

Q.20 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. 8
 - ☒ 2. 11
 - ☐ 3. 10
 - ☐ 4. 9

Q.21 What should come in place of the question mark (?) in the given series?

515 518 523 530 539 ?

- Ans
- ☐ 1. 548
 - ☐ 2. 551
 - ☐ 3. 549
 - ☒ 4. 550

Q.22 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. Four
 - ☐ 2. Two
 - ☒ 3. One
 - ☐ 4. Three

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. 3
 - ☐ 3. 1
 - ☒ 4. 4

Q.24 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
 - ☐ 4. Son's son

Q.25 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.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 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. Two
 - ☐ 2. Three
 - ☐ 3. One
 - ☒ 4. Four

Q.27 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. CSPO
 - ☐ 2. CDSP
 - ☒ 3. CDPS
 - ☐ 4. CSER

Q.28 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. Three
 - ☐ 3. Two
 - ☒ 4. Four

Q.29 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?

$$65 \text{ I } 35 \text{ L } 35 \text{ I } 15 \text{ K } 5 \text{ J } 24 \text{ I } 65 \text{ K } 5 \text{ J } 8 = ?$$

- Ans**
- ☐ 1. 211
 - ☐ 2. 316
 - ☒ 3. 241
 - ☐ 4. 303

Q.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. KNI
 - ☐ 2. RUP
 - ☒ 3. TWS
 - ☐ 4. ORM



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



Test Center Name	Tejas Online Examination Center
Test Date	21/08/2025
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Population density is calculated as:

- Ans**
- ☒ 1. total number of people in a country
 - ☒ 2. number of persons living per unit area
 - ☐ 3. average number of people per family
 - ☐ 4. number of children born per year

Q.2 What new facility was introduced by the Election Commission of India (ECI) at polling stations in May 2025?

- Ans**
- ☐ 1. Free Wi-Fi for voters
 - ☐ 2. Online voting portal
 - ☒ 3. Mobile phone deposit facility
 - ☐ 4. Voter ID kiosks

Q.3 The Western Ghats and the Eastern Ghats mark the western and the eastern edges of which plateau?

- Ans**
- ☐ 1. Malwa Plateau
 - ☐ 2. Shillong Plateau
 - ☒ 3. Deccan Plateau
 - ☐ 4. Chotanagpur Plateau

Q.4 When was the States Reorganisation Act passed, implementing the Commission's recommendations?

- Ans**
- ☒ 1. 1956
 - ☐ 2. 1959
 - ☐ 3. 1953
 - ☐ 4. 1954

Q.5 Consider the following vitamins.

1. Vitamin D
2. Vitamin B12
3. Vitamin K
4. Vitamin C

Which of them are water soluble?

- Ans**
- ☐ 1. Only 1 and 2
 - ☐ 2. Only 1, 2 and 3
 - ☐ 3. Only 2 and 3
 - ☒ 4. Only 2 and 4

Q.6 Which of the following Amendments made Education a subject in the Concurrent List?

- Ans**
- ☐ 1. 52nd Amendment
 - ☐ 2. 44th Amendment
 - ☐ 3. 86th Amendment
 - ☒ 4. 42nd Amendment

Q.7 Which law explains the colours of black bodies including the Sun and other stars in terms of their temperatures?

- Ans**
- ☒ 1. Wien's Displacement Law
 - ☐ 2. Hooke's Law
 - ☐ 3. Snell's Law
 - ☐ 4. Kepler's laws of planetary motion

Q.8 What percentage of the Indian population was dependent on agriculture around the time of independence?

- Ans**
- ☐ 1. About 90%
 - ☐ 2. About 30%
 - ☐ 3. About 50%
 - ☒ 4. About 70%

Q.9 Which book by Sophie Elmhirst was honoured with the Nero Book of the Year award in 2025?

- Ans**
- ☐ 1. The Girl with the Seven Lives
 - ☐ 2. Flow
 - ☒ 3. Maurice and Maralyn
 - ☐ 4. The Adversary

Q.10 Acid rain is mainly caused due to the presence of which two gases in the atmosphere?

- Ans**
- ☐ 1. Oxygen and Hydrogen
 - ☒ 2. Sulphur dioxide and Nitrogen oxides
 - ☐ 3. Nitrogen and Methane
 - ☐ 4. Carbon dioxide and Carbon monoxide

Q.11 Which of the following industries was operational in India at the time of independence?

- Ans**
- ☒ 1. Iron and steel industry
 - ☐ 2. Automobile industry
 - ☐ 3. Electronics industry
 - ☐ 4. Aerospace industry

Q.12 Which ministry has introduced a technology-driven initiative called e-Zero FIR on 19 May 2025 to boost India's cybercrime-fighting capabilities?

- Ans
- ☐ 1. Ministry of Electronics and Information Technology
 - ☐ 2. Ministry of Information and Broadcasting
 - ☐ 3. Ministry of Communications
 - ☒ 4. Ministry of Home Affairs

Q.13 On which day is Good Friday observed in 2025?

- Ans
- ☐ 1. 7 June
 - ☐ 2. 14 March
 - ☐ 3. 12 May
 - ☒ 4. 18 April

Q.14 The introduction of English education in India was promoted through which of the following documents?

- Ans
- ☐ 1. Regulating Act
 - ☐ 2. Pitts India Act
 - ☒ 3. Macaulay's Minute
 - ☐ 4. Charter Act of 1813

Q.15 The currently shelved (as of June 2025) InCyber Forum, a leading cybersecurity conference, was initially set to take place in which US city?

- Ans
- ☒ 1. San Antonio, Texas
 - ☐ 2. Austin, Texas
 - ☐ 3. San Francisco, California
 - ☐ 4. Seattle, Washington

Q.16 In which year was the Indian Civil Service (ICS) officially replaced by the Indian Administrative Service (IAS)?

- Ans
- ☐ 1. 1951
 - ☐ 2. 1950
 - ☒ 3. 1947
 - ☐ 4. 1949

Q.17 Which Article of the Indian Constitution provides for the Council of Ministers at the Union level?

- Ans
- ☒ 1. Article 74
 - ☐ 2. Article 85
 - ☐ 3. Article 75
 - ☐ 4. Article 65

Q.18 Which option in the Control Panel allows a user to add or remove hardware devices in MS Windows?

- Ans
- ☐ 1. System and Security
 - ☒ 2. Device Manager
 - ☐ 3. Network and Sharing Center
 - ☐ 4. Security and Maintenance

Q.19 What does the abbreviation ASCII stand for?

- Ans**
- ☐ 1. Advanced System for Computer Input and Integration
 - ☐ 2. Automatic System for Coding Interactive Interfaces
 - ☐ 3. American Scientific Code for Internet Integration
 - ☒ 4. American Standard Code for Information Interchange

Q.20 Henry Vivian Derozio, a teacher at the Hindu College of Calcutta, promoted radical ideas and encouraged his pupils to question all authority. This movement became known as the:

- Ans**
- ☒ 1. Young Bengal Movement
 - ☐ 2. Servants of India Society
 - ☐ 3. Justice Movement
 - ☐ 4. Social Service League

Q.21 What was the Supreme Court's directive regarding the NEET-PG 2025 examination format?

- Ans**
- ☐ 1. Conduct the exam in two shifts
 - ☐ 2. Postpone the examination indefinitely
 - ☐ 3. Cancel the examination
 - ☒ 4. Conduct the exam in a single shift

Q.22 Which mission by the Indian Government, launched in 2023, aims to develop quantum technologies and has established four Thematic Hubs across premier institutions, as of 2025?

- Ans**
- ☐ 1. Digital India Mission
 - ☐ 2. Tech India Initiative
 - ☒ 3. National Quantum Mission
 - ☐ 4. Quantum India Program

Q.23 Sher Shah divided his empire into shiqqs, equivalent to which administrative division under the Mughals?

- Ans**
- ☐ 1. Mandal
 - ☐ 2. Pargana
 - ☒ 3. Sarkar
 - ☐ 4. Suba

Q.24 Which party regained power in the 2025 Delhi Legislative Assembly elections, ending AAP's 15-year hold?

- Ans**
- ☒ 1. Bharatiya Janata Party
 - ☐ 2. Samajwadi Party
 - ☐ 3. Indian National Congress
 - ☐ 4. Trinamool Congress

Q.25 Which of the following is true regarding the tenure and independence of the Chief Election Commissioner (CEC) of India?

- Ans**
- ☐ 1. The CEC can only be removed like a Supreme Court judge by a two-thirds majority in Parliament.
 - ☐ 2. The CEC enjoys a fixed tenure of ten years and cannot be replaced before that term under any circumstances.
 - ☒ 3. The other Election Commissioners can only be removed by the CEC, not by the government.
 - ☐ 4. The CEC's removal requires assent of the Chief Justice of India but not necessarily the Parliament's approval.

Q.26 Which province of Pakistan, known for its rich resources but low development, has long witnessed separatist movements and demands for greater autonomy or independence?

- Ans**
- ☐ 1. Sindh
 - ☒ 2. Balochistan
 - ☐ 3. Khyber Pakhtunkhwa
 - ☐ 4. Punjab

Q.27 Which of the following organisations conducted the CROPS experiment to study plant growth in space in February 2025?

- Ans**
- ☐ 1. European Space Agency (ESA)
 - ☐ 2. Japan Aerospace Exploration Agency (JAXA)
 - ☐ 3. National Aeronautics and Space Administration (NASA)
 - ☒ 4. Indian Space Research Organisation (ISRO)

Q.28 At the 2025 Asian Athletics Championships, which Indian athlete won gold medals in both the men's 5000m and 10,000m events?

- Ans**
- ☒ 1. Gulveer Singh
 - ☐ 2. Avinash Sable
 - ☐ 3. Tejaswin Shankar
 - ☐ 4. Sachin Yadav

Q.29 Which physical feature acts as a barrier to the southwest monsoon winds, causing heavy rainfall on one side and dry conditions on the other?

- Ans**
- ☐ 1. Aravalli Range
 - ☐ 2. Vindhya Range
 - ☐ 3. Satpura Range
 - ☒ 4. Western Ghats

Q.30 Which islands of India are strategically important due to their location near the Malacca Strait?

- Ans**
- ☐ 1. Rameswaram Islands
 - ☐ 2. Lakshadweep Islands
 - ☒ 3. Andaman and Nicobar Islands
 - ☐ 4. Gulf of Kutch Islands

Q.31 The 'National Mission on High Yielding Seeds' aims to:

- Ans**
- ☐ 1. promote organic farming practices
 - ☐ 2. enhance irrigation facilities
 - ☒ 3. increase production of high-quality seeds
 - ☐ 4. develop cold storage infrastructure

Q.32 How did globalisation affect India's economic growth?

- Ans**
- ☒ 1. Made it grow faster
 - ☐ 2. Had no effect
 - ☐ 3. Slowed it down
 - ☐ 4. Reduced GDP

Q.33 Which of the following is a well-known bronze artefact from the Indus Valley Civilisation, dating to around 2500 BCE?

- Ans**
- ☐ 1. Priest-King statue from Mohenjo-daro
 - ☒ 2. Dancing Girl statue from Mohenjo-daro
 - ☐ 3. Painted pottery vase from Dholavira
 - ☐ 4. Stone seal of unicorn from Lothal

Q.34 What was the reason for stagnation in the agricultural sector during the colonial rule?

- Ans**
- ☒ 1. Various systems of land settlement that were introduced by the colonial government
 - ☐ 2. Imposition of high taxes on the food grains and cash crops by the colonial government
 - ☐ 3. Extreme commercialisation of agriculture by the colonial government
 - ☐ 4. Establishment of large scale industries by the colonial government

Q.35 Which of the following foods is a source of animal protein?

- Ans**
- ☐ 1. Pulses
 - ☐ 2. Beans
 - ☒ 3. Eggs
 - ☐ 4. Nuts

Q.36 Which of the following falls under the Supreme Court's original jurisdiction, according to the Constitution of India (Article 131)?

- Ans**
- ☐ 1. Appeals from criminal cases in High Courts
 - ☐ 2. Election petitions against sitting Members of Parliaments
 - ☐ 3. Enforcement of fundamental rights of individuals
 - ☒ 4. Disputes between States or between a State and the Union

Q.37 What is the total number of cave structures at the Ajanta Caves location in Maharashtra, India, including the one that was never completed?

- Ans**
- ☒ 1. Thirty
 - ☐ 2. Twenty-nine
 - ☐ 3. Thirty-two
 - ☐ 4. Thirty-one

Q.38 The Atomic Energy Establishment, established at Trombay in 1954, was later renamed as:

- Ans**
- ☒ 1. Bhabha Atomic Research Centre
 - ☐ 2. Indian Institute of Nuclear Science
 - ☐ 3. Nehru Institute of Atomic Energy
 - ☐ 4. Indira Gandhi Atomic Centre

Q.39 Which of the following dynasties initiated the practice of land grants to Brahmanas?

- Ans**
- ☐ 1. Cholas
 - ☐ 2. Guptas
 - ☐ 3. Kushanas
 - ☒ 4. Satavahanas

Q.40 What is the core objective of the ISRO- European Space Agency (ESA) collaboration in the Axiom-4 mission?

- Ans**
- ☐ 1. Lunar rover development
 - ☐ 2. Deep-space observation
 - ☐ 3. Communications satellite deployment
 - ☒ 4. Microgravity-based scientific experiments

Section : Mathematics

Q.1 A can lay railway track between two given stations in 21 days and B can do the same job in 16 days. With the help of C, they did the job in 2 days only. Then, C alone can do the job in

- Ans**
- ☐ 1. $12\frac{74}{131}$ days
 - ☐ 2. $4\frac{74}{131}$ days
 - ☒ 3. $2\frac{74}{131}$ days
 - ☐ 4. $6\frac{74}{131}$ days

Q.2 A man riding on a bicycle at a speed of 36 km/hr crosses a bridge in 54 seconds. Find the length (in metres) of the bridge.

- Ans**
- ☐ 1. 440
 - ☒ 2. 540
 - ☐ 3. 550
 - ☐ 4. 350

Q.3 The average price of three items of furniture is ₹5,305. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

- Ans**
- ☐ 1. 5,305
 - ☒ 2. 3,183
 - ☐ 3. 1,061
 - ☐ 4. 7,427

Q.4 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 11 months.

- Ans**
- ☐ 1. ₹88
 - ☐ 2. ₹528
 - ☒ 3. ₹44
 - ☐ 4. ₹64

Q.5 Wasim travels 455 km at 91 km/hr, the next 390 km at 78 km/hr and the next 476 km at 68 km/hr. What is his average speed (in km/hr) for the whole journey? (Round off your answer to two decimal places)

- Ans**
- ☒ 1. 77.71
 - ☐ 2. 73.67
 - ☐ 3. 78.27
 - ☐ 4. 78.96

Q.6 Anjani can do a certain piece of work in 24 days. Anjani and Khushbu can together do the same work in 12 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. $\frac{72}{5}$
 - ☐ 2. $\frac{65}{5}$
 - ☐ 3. $\frac{82}{6}$
 - ☐ 4. $\frac{70}{7}$

Q.7 The product of two positive numbers is 1445. If the first number is five times of the second number, then the sum of the two numbers is:

- Ans**
- ☐ 1. 93
 - ☒ 2. 102
 - ☐ 3. 115
 - ☐ 4. 105

Q.8 Given that $76^{0.44} = x$, $76^{0.93} = y$ and $x^z = y^3$, then the value of z is close to:

- Ans**
- ☐ 1. 7.73
 - ☐ 2. 5.18
 - ☐ 3. 7.48
 - ☒ 4. 6.34

Q.9 The income of Raman is ₹77,600. He saves 13% of his income. If his income increases by 50% and expenditure increases by 50%, then his savings will:

- Ans**
- ☐ 1. decrease by ₹6,406
 - ☐ 2. decrease by ₹19,012
 - ☐ 3. increase by ₹19,015
 - ☒ 4. increase by ₹5,044

Q.10 If the interest earned during the 2nd year on a certain sum is ₹6,258, and the rate of interest is 20% per annum compounded annually, then the sum is:

- Ans**
- ☒ 1. ₹26,075
 - ☐ 2. ₹25,120
 - ☐ 3. ₹26,630
 - ☐ 4. ₹25,235

Q.11 Which of the following ratios is the greatest?

- Ans**
- ☐ 1. 22 : 82
 - ☐ 2. 31 : 85
 - ☒ 3. 29 : 57
 - ☐ 4. 23 : 75

Q.12 The number 576499 is divisible by which of the following?

- Ans**
- ☐ 1. 16
 - ☒ 2. 7
 - ☐ 3. 6
 - ☐ 4. 15

Q.13

By how much is 65% of 65 greater than $\frac{2}{5}$ of 15?

- Ans
- ☐ 1. 30.25
 - ☒ 2. 36.25
 - ☐ 3. 33.25
 - ☐ 4. 34.25

Q.14 Anshuman and Kunal together invested ₹36,400 in a business. At the end of the year, out of a total profit of ₹19,500, Kunal's share was ₹6,300. What was the difference between their investments?

- Ans
- ☐ 1. ₹14,879
 - ☒ 2. ₹12,880
 - ☐ 3. ₹12,892
 - ☐ 4. ₹14,688

Q.15 The sum of two numbers is 132 and their L.C.M. is 630. What are the two numbers?

- Ans
- ☒ 1. 90, 42
 - ☐ 2. 88, 44
 - ☐ 3. 95, 37
 - ☐ 4. 83, 49

Q.16 If 2 times a son's age is added to his father's age, the sum is 46 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. 35
 - ☐ 2. 34
 - ☒ 3. 37
 - ☐ 4. 33

Q.17 The LCM of the numbers 12.8 and 0.004 is:

- Ans
- ☐ 1. 0.128
 - ☐ 2. 1.28
 - ☒ 3. 12.8
 - ☐ 4. 128

Q.18 In $\triangle ABC$, $BD \perp AC$ at D and $\angle DBC = 71^\circ$. E is a point on BC such that $\angle CAE = 17^\circ$. What is the measure of $\angle AEB$?

- Ans
- ☐ 1. 31°
 - ☐ 2. 34°
 - ☒ 3. 36°
 - ☐ 4. 40°

Q.19 The length, breadth and height of a cuboid are in the ratio of 5 : 4 : 3. If the sum of the length, breadth and height is 120 cm, then what will be its volume?

- Ans
- ☐ 1. $50,000 \text{ cm}^3$
 - ☐ 2. $40,000 \text{ cm}^3$
 - ☐ 3. $45,000 \text{ cm}^3$
 - ☒ 4. $60,000 \text{ cm}^3$

Q.20 A cuboid has length 10 cm, breadth 5 cm and height 2 cm. What is its surface area?

- Ans
- ☒ 1. 160 cm^2
 - ☐ 2. 180 cm^2
 - ☐ 3. 140 cm^2
 - ☐ 4. 130 cm^2

Q.21 A vendor claims to sell wheat at a loss of 50%, but he cheats by using weights that are 65% less than the stated weight. What is his actual profit percentage (round off to two decimal places)?

- Ans
- ☐ 1. 43.08%
 - ☒ 2. 42.86%
 - ☐ 3. 46.81%
 - ☐ 4. 47.33%

Q.22 The average price of three items of furniture is ₹16875. If their prices are in the ratio 3:5:7, the price of the costliest item (in ₹) is

- Ans
- ☐ 1. 10125
 - ☒ 2. 23625
 - ☐ 3. 5625
 - ☐ 4. 7875

Q.23 I bought two toy guns for ₹1,200. I sold the first one at a loss of 8% 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. 820
 - ☒ 2. 800
 - ☐ 3. 784
 - ☐ 4. 824

Q.24 Find a single discount equivalent to successive discounts of 15% and 18%.

- Ans
- ☐ 1. 32.3%
 - ☐ 2. 34.3%
 - ☒ 3. 30.3%
 - ☐ 4. 28.3%

Q.25 If the 6-digit number $N09M82$ 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. $M - N = 1$
 - ☐ 3. $M + N = -4$
 - ☐ 4. $M = N$

Q.26 Find the value of: $93^{-6} \div 93^{16} \times 93^{-12}$

- Ans
- ☐ 1. 93^{-33}
 - ☐ 2. 93^{-25}
 - ☐ 3. 93^{-26}
 - ☒ 4. 93^{-34}

Q.27 Find a single discount equivalent to successive discounts of 5% and 20%.

- Ans**
- ☐ 1. 22%
 - ☐ 2. 28%
 - ☐ 3. 26%
 - ☒ 4. 24%

Q.28 If $\cot A = \sqrt{5}$, then find the value of $\frac{\operatorname{cosec}^2 A - \sec^2 A}{\operatorname{cosec}^2 A + \sec^2 A}$.

- Ans**
- ☐ 1. $\frac{\sqrt{5} + 1}{\sqrt{5} - 1}$
 - ☒ 2. $\frac{2}{3}$
 - ☐ 3. $\frac{\sqrt{5} - 1}{\sqrt{5} + 1}$
 - ☐ 4. $\frac{3}{2}$

Q.29 Find the value of x satisfying: $2(3x^2 - 7) - 3(2x^2 + 7x - 9) = 13$

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

Q.30 P, Q and R invested a sum in the ratio of 12 : 82 : 38, respectively. If they earned a total profit of ₹3,510 at the end of year, what is the difference between the shares of Q and R?

- Ans**
- ☒ 1. ₹1,170
 - ☐ 2. ₹1,281
 - ☐ 3. ₹1,215
 - ☐ 4. ₹1,092

Section : General Intelligence and Reasoning

Q.1 What should come in place of the question mark (?) in the given series?

7 13 25 43 67 ?

- Ans**
- ☐ 1. 95
 - ☐ 2. 100
 - ☐ 3. 90
 - ☒ 4. 97

Q.2 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. WBL
 - ☐ 2. WKB
 - ☐ 3. WLB
 - ☐ 4. WBK

Q.3 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 9283745, what will be the sum of the digits that are second from the left and second from the right?

- Ans**
- ☐ 1. 6
 - ☒ 2. 8
 - ☐ 3. 9
 - ☐ 4. 7

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. QKFC
 - ☒ 2. PJFB
 - ☐ 3. XRMJ
 - ☐ 4. MGBY

Q.5 Refer to the following letter 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 9 4 7 + \$ 1 Ω # * £ 3 & 8 5 @ (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. 3
 - ☐ 2. 1
 - ☒ 3. 2
 - ☐ 4. 4

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 F. Only C is kept between F and D. Only B is kept below E. How many boxes are kept between E and F?

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

Q.7 Seven people, A, B, C, T, 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 B. Only three people sit to the right of C. A sits to the immediate left of W. T is not an immediate neighbour of C. Who sits at the rightmost end of the line?

- Ans**
- ☒ 1. T
 - ☐ 2. C
 - ☐ 3. U
 - ☐ 4. A

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) 9 & 2 * 4 @ 5 £ 8 # 6 & 1 Ω 7 % \$ 3 (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. Two
 - ☐ 2. None
 - ☐ 3. Three
 - ☐ 4. One

Q.9 If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 937612548, then what will be the sum of all the odd digits in the new number thus formed?

- Ans**
- ☐ 1. 22
 - ☐ 2. 26
 - ☒ 3. 24
 - ☐ 4. 20

Q.10 Gaurav ranked 29th from the top and 45th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 73
 - ☐ 2. 74
 - ☐ 3. 71
 - ☐ 4. 72

Q.11 RP 4 is related to WU 16 in a certain way. In the same way, LJ 3 is related to QO 9. To which of the following is TR 6 related, following the same logic?

- Ans**
- ☐ 1. VT 32
 - ☐ 2. YX 32
 - ☐ 3. VT 36
 - ☒ 4. YW 36

Q.12 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?

7 B 5 D 48 A 4 C 13 = ?

- Ans**
- ☐ 1. 52
 - ☐ 2. 47
 - ☐ 3. 40
 - ☒ 4. 36

Q.13 Hashini starts from Point Y and drives 16 km towards north. She then takes a left turn, drives 5 km. She then turns left and drives 25 km. She takes a final left turn, drives 5 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. 8 km towards east
 - ☐ 2. 12 km towards west
 - ☒ 3. 9 km towards north
 - ☐ 4. 15 km towards south

Q.14 Town N is to the north of Town M. Town O is to the east of Town N. Town P is to the north of Town O. Town Q is to the east of Town P. Town R is to the east of Town Q. What is the position of Town R with respect to Town M?

- Ans**
- ☐ 1. South
 - ☒ 2. Northeast
 - ☐ 3. North
 - ☐ 4. Southeast

Q.15 In a certain code language, 'HIKE' is coded as '4627' and 'SACK' is coded as '1365'. What is the code for 'K' in the given code language?

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

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. GIN
 - ☐ 2. PRW
 - ☐ 3. CEJ
 - ☒ 4. SVZ

Q.17 All 97 students in a class are standing in a row facing north. Hansa is 46th from the right end while Neeti is 35th from the left end. How many people stand between Hansa and Neeti?

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

Q.18 What should come in place of the question mark (?) in the given series?

679 680 690 691 701 702 712 ?

- Ans**
- ☐ 1. 712
 - ☐ 2. 714
 - ☒ 3. 713
 - ☐ 4. 711

Q.19 A, B, C, D, 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 C. Only one person sits between Q and R. Only two people sit between A and C. Only one person sits between B and R. Who sits third to the right of D?

- Ans**
- ☐ 1. Q
 - ☒ 2. S
 - ☐ 3. C
 - ☐ 4. A

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.)

34, 136

53, 212

Ans ✓ 1. 72, 288

✗ 2. 66, 248

✗ 3. 32, 114

✗ 4. 59, 229

Q.21 What should come in place of the question mark (?) in the given series?

98 102 110 126 158 ?

Ans ✗ 1. 221

✗ 2. 223

✓ 3. 222

✗ 4. 224

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 flats are villas.

No villa is an apartment.

Conclusions:

(I) No flat is an apartment.

(II) No apartment is a villa.

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.23 LN 23 is related to JI 6 in a certain way. In the same way, LJ 18 is related to JE 1. To which of the following is PP 7 related, following the same logic?

Ans ✗ 1. ML 10

✗ 2. MK 10

✓ 3. NK 10

✗ 4. NL 12

Q.24 In a certain code language, 'PART' is coded as '2467' and 'AIDS' is coded as '1573'. What is the code for 'A' in that language?

Ans ✗ 1. 1

✗ 2. 3

✓ 3. 7

✗ 4. 4

Q.25 DJMS is related to JPRX in a certain way based on the English alphabetical order. In the same way, BHGM is related to HNLR. To which of the given options is TZVB related, following the same logic?

- Ans**
- ✓ 1. ZFAG
 - ✗ 2. ZAFG
 - ✗ 3. ZAGF
 - ✗ 4. ZFGA

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. PG - MQ
 - ✓ 2. LC - IN
 - ✗ 3. JA - GK
 - ✗ 4. NE - KO

Q.27 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HYP 8, LCT 15, PGX 29, TKB 57, XOF 113, ?

- Ans**
- ✗ 1. BSI 225
 - ✓ 2. BSJ 225
 - ✗ 3. CSJ 225
 - ✗ 4. BCJ 225

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 pins are bugs.

All pins are cows.

Conclusions:

(I): Some bugs are cows.

(II): All cows are pins.

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

$$6 + 3 \div 48 - 4 \times 25 = ?$$

- Ans**
- ✗ 1. 38
 - ✗ 2. 25
 - ✗ 3. 44
 - ✓ 4. 31

Q.30 R is the father of O. O is the wife of A. A is the brother of S. S is the daughter of T.
How is R related to T?

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



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



Test Center Name	TCS Gito Bitan
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Tussocky grass grows mainly in which type of forests?

- Ans**
- ☐ 1. Montane forests
 - ☐ 2. Tropical Deciduous forests
 - ☒ 3. Tropical Thorn forests
 - ☐ 4. Evergreen forests

Q.2 Dr. Justice DY Chandrachud, former Chief Justice of India, joined which of the following institutions in May 2025 as a distinguished professor?

- Ans**
- ☐ 1. Guru Gobind Singh Indraprastha University (GGSIU)
 - ☐ 2. Indian Law Institute (ILI)
 - ☒ 3. National Law University, Delhi (NLU)
 - ☐ 4. Faculty of Law, University of Delhi (DU)

Q.3 In February 2025, a self-cleaning, flexible heating fabric was developed by _____.

- Ans**
- ☐ 1. IIT Bombay
 - ☐ 2. IIT Delhi
 - ☒ 3. IIT Guwahati
 - ☐ 4. IIT Madras

Q.4 '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. Patanjali
 - ☐ 3. Kapila
 - ☐ 4. Badarayana

Q.5 Which Constitutional Amendment Act abolished the provision for nominating members from the Anglo-Indian community to the State Legislative Assemblies?

- Ans**
- ☐ 1. 105th Amendment Act, 2021
 - ☐ 2. 101st Amendment Act, 2016
 - ☒ 3. 104th Amendment Act, 2019
 - ☐ 4. 102nd Amendment Act, 2018

Q.6 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. Chennai
 - ☐ 3. Pune
 - ☐ 4. Sanand

Q.7 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. Division of powers between the Centre and States
 - ☐ 3. Requirement of some Constitutional Amendments to be ratified by States
 - ☐ 4. An upper house of Parliament (Rajya Sabha) representing the states

Q.8 Which of the following DOES NOT produce Greenhouse gases?

- Ans**
- ☐ 1. Thermal power plant
 - ☒ 2. Tidal energy
 - ☐ 3. Diesel generator
 - ☐ 4. Natural gas transport fuel

Q.9 Which of the following kings of Kalinga in the 2nd century B.C. professed Jainism in India?

- Ans**
- ☐ 1. Ashoka
 - ☒ 2. Kharavela
 - ☐ 3. Bindusara
 - ☐ 4. Samprati

Q.10 Which Latin American country became the first to pull out of China's Belt and Road Initiative in February 2025?

- Ans**
- ☐ 1. Brazil
 - ☒ 2. Panama
 - ☐ 3. Argentina
 - ☐ 4. Chile

Q.11 Which organisation's support was crucial in India's globalisation process post 1991 economic crisis?

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

Q.12 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 Constant Proportions
 - ☐ 2. Law of Multiple Proportions
 - ☐ 3. Dalton's Atomic Theory
 - ☐ 4. Law of Conservation of Energy

Q.13 Which of the following is a national waterway between Haldia (Sagar) and Prayagraj?

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

Q.14 Which edition of the BIMSTEC Summit in Thailand did the Indian Prime Minister attend on 4 April 2025?

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

Q.15 Manimekali, a notable work within early Tamil literature, is categorised as which type of literary composition?

- Ans**
- ☐ 1. An Autobiography
 - ☐ 2. A Treatise
 - ☐ 3. A Memoir
 - ☒ 4. An Epic

Q.16 Which of the following options best represents the predictions of a Punnett square?

- Ans**
- ☐ 1. Genetic linkage relationships in siblings
 - ☒ 2. Genotype and phenotype probabilities
 - ☐ 3. Genetic mutations over several generations
 - ☐ 4. DNA sequence in parents

Q.17 Which of the following was a major criticism of the Green Revolution in India?

- Ans**
- ☐ 1. It promoted organic farming.
 - ☒ 2. It led to regional and crop imbalances.
 - ☐ 3. It reduced agricultural output.
 - ☐ 4. It discouraged use of technology.

Q.18 Which British policy promoted English education to create a loyal class serving British interests in India?

- Ans**
- ☒ 1. Education Policy
 - ☐ 2. Divide and Rule
 - ☐ 3. Trade Policy
 - ☐ 4. Subsidiary Alliance

Q.19 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.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. W C Bannerjee
 - ☐ 2. Ananda Mohan Bose
 - ☐ 3. Surendranath Bannerjee
 - ☒ 4. A O Hume

Q.21 When did Donald Trump officially take office as the 47th President of the United States?

- Ans**
- ☐ 1. 6 January 2025
 - ☐ 2. 1 February 2025
 - ☒ 3. 20 January 2025
 - ☐ 4. 4 March 2025

Q.22 What significant milestone did Pixxel achieve with its 2025 space launch?

- Ans**
- ☒ 1. Launch of the first private satellite constellation from India
 - ☐ 2. India's first lunar lander by a startup
 - ☐ 3. Construction of a domestic space observatory
 - ☐ 4. Launch of a reusable rocket

Q.23 Which district became the first in India to meet its entire power demand through solar energy, as of 2025?

- Ans**
- ☐ 1. Leh
 - ☐ 2. Kavaratti
 - ☐ 3. Silvassa
 - ☒ 4. Diu

Q.24 Each modern industrialised country, including India, has a National Metrology Institute (NMI). What is the main role of an NMI?

- Ans**
- ☐ 1. To conduct medical research
 - ☐ 2. To monitor weather conditions
 - ☐ 3. To regulate internet access in the country
 - ☒ 4. To maintain standards of measurements

Q.25 Which of the following is the function of the Central Processing Unit (CPU) in a computer?

- Ans**
- ☐ 1. It stores all user files permanently.
 - ☐ 2. It receives input from the keyboard and mouse only.
 - ☒ 3. It processes data and controls operations of all parts of the computer.
 - ☐ 4. It sends output to printers and monitors.

Q.26 Which of the following films is considered the first Indian sound (talkie) film, marking the beginning of Bollywood?

- Ans**
- ☐ 1. Sholay
 - ☐ 2. Mughal-e-Azam
 - ☒ 3. Alam Ara
 - ☐ 4. Raja Harishchandra

Q.27 What is the name of the Act that governs the rules and service conditions of All-India Services?

- Ans**
- ☐ 1. Civil Services Regulation Act, 1946
 - ☐ 2. Indian Services Governance Act, 1955
 - ☐ 3. All-India Civil Act, 1950
 - ☒ 4. All-India Services Act, 1951

Q.28 What special provision is granted under Article 371J of the Indian Constitution?

- Ans**
- ☒ 1. Special status for the Hyderabad-Karnataka region
 - ☐ 2. Special powers to the Governor of Manipur for law and order
 - ☐ 3. Creation of a common High Court for the northeastern states
 - ☐ 4. Provision for official language use in Goa and Daman and Diu

Q.29 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. Dutee Chand
 - ☒ 3. Srabani Nanda
 - ☐ 4. Dhanalakshmi Sekar

Q.30 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. Madhya Pradesh
 - ☐ 2. Rajasthan
 - ☒ 3. Gujarat
 - ☐ 4. Maharashtra

Q.31 The Eleventh Schedule of the Indian Constitution lists various subjects. Which level of government are these subjects intended for?

- Ans**
- ☐ 1. Central Government (Union ministries)
 - ☒ 2. Panchayati Raj Institutions (village/local level)
 - ☐ 3. Urban Municipal Corporations
 - ☐ 4. State Governments (State legislative matters)

Q.32 Which of the following coast lies in Karnataka and Kerala states?

- Ans**
- ☐ 1. Kathiawar coast
 - ☐ 2. Kachchh coast
 - ☒ 3. Malabar coast
 - ☐ 4. Konkan coast

Q.33 Who laid the foundation stone of the Bageshwar Dham Medical and Science Research Institute in Madhya Pradesh?

- Ans**
- ☐ 1. Mangubhai C Patel
 - ☐ 2. JP Nadda
 - ☒ 3. Narendra Modi
 - ☐ 4. Mohan Yadav

Q.34 The main objective of British economic policies in India was to:

- Ans**
- ☐ 1. promote Indian self-sufficiency
 - ☐ 2. industrialise India
 - ☐ 3. support rural employment
 - ☒ 4. benefit the British economy

Q.35 What does the abbreviation 'PCB' stand for in operating systems?

- Ans**
- ☐ 1. Primary Communication Bus
 - ☐ 2. Process Communication Block
 - ☐ 3. Program Control Block
 - ☒ 4. Process Control Block

Q.36 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.37 In how many cities of Bihar were the Khelo India Youth Games 2025 held?

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

Q.38 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. Balanced trade between agriculture and industry
 - ☒ 2. Export of raw materials and import of manufactured goods
 - ☐ 3. Export of finished goods and import of raw materials
 - ☐ 4. Export of capital goods and import of consumer goods

Q.39 When were Bahadur Shah Zafar and his wife Begum Zinat Mahal sent to prison in Rangoon?

- Ans**
- ☐ 1. January 1859
 - ☒ 2. October 1858
 - ☐ 3. October 1857
 - ☐ 4. April 1857

Q.40 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. laterite
 - ☐ 2. granite
 - ☐ 3. pedalfer
 - ☒ 4. hardpans

Section : Mathematics

Q.1 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 ₹100
 - ☐ 2. Store A; by ₹150
 - ☐ 3. Store B; by ₹100
 - ☒ 4. Both stores A and B offer the same price

Q.2 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. 17,358
 - ☐ 2. 17,357
 - ☒ 3. 17,360
 - ☐ 4. 17,361

Q.3 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.4 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. 43
 - ☐ 2. 53
 - ☐ 3. 58
 - ☐ 4. 63

Q.5 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. $M = N$
 - ☒ 3. $M - N = -7$
 - ☐ 4. $M - N = 1$

Q.6 By selling an article at $\frac{6}{15}$ of its actual selling price, Nirbhay incurs a loss. If he sells it at 54% of its actual selling price, then the profit percentage is:

- Ans
- ☐ 1. 18.7%
 - ☒ 2. 16.1%
 - ☐ 3. 16.5%
 - ☐ 4. 18.4%

Q.7 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. $2\frac{63}{67}$ hours
 - ☐ 2. $4\frac{63}{67}$ hours
 - ☐ 3. $5\frac{63}{67}$ hours
 - ☒ 4. $3\frac{63}{67}$ hours

Q.8 Simplify: $\frac{\sin A \tan A}{(1 - \cos A)}$

- Ans
- ☐ 1. $1 + \cos A$
 - ☐ 2. $1 + \sin A$
 - ☐ 3. $1 + \operatorname{cosec} A$
 - ☒ 4. $1 + \sec A$

Q.9 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. 1,072
 - ☐ 2. 1,115
 - ☐ 3. 1,078
 - ☒ 4. 1,075

Q.10 If the third proportional of 25 and 35 be x, then what is the value of x?

- Ans
- ☐ 1. 52
 - ☐ 2. 51
 - ☐ 3. 50
 - ☒ 4. 49

Q.11 Which of the following numbers divides 3,27,087?

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

Q.12 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. 15
 - ☐ 2. 11
 - ☒ 3. 12
 - ☐ 4. 16

Q.13 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. 13 days
 - ☒ 2. 8 days
 - ☐ 3. 11 days
 - ☐ 4. 4 days

Q.14 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. 0.69 km
 - ☐ 2. 2.18 km
 - ☒ 3. 1.64 km
 - ☐ 4. 2.54 km

Q.15 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 74^\circ$ and $\angle$

- Ans
- ☐ 1. 91°
 - ☐ 2. 85°
 - ☒ 3. 76°
 - ☐ 4. 82°

Q.16 Find the value of $[868 \div \{26 + 6 \times (3 - 7)\}]$.

- Ans
- ☐ 1. 431
 - ☐ 2. 432
 - ☒ 3. 434
 - ☐ 4. 435

Q.17 Find the value of: $55^{-13} \div 55^{14} \times 55^{-11}$

- Ans
- ☐ 1. 55^{-32}
 - ☒ 2. 55^{-38}
 - ☐ 3. 55^{-48}
 - ☐ 4. 55^{-36}

Q.18 After allowing a discount of 28%, an article is available for ₹3,240. Its marked price is _____.

- Ans**
- ☐ 1. ₹4,332
 - ☒ 2. ₹4,500
 - ☐ 3. ₹4,147
 - ☐ 4. ₹4,450

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 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. 14
 - ☐ 2. 18
 - ☐ 3. 19
 - ☐ 4. 13

Q.21 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. 1,97,067
 - ☐ 2. 1,96,943
 - ☒ 3. 1,96,980
 - ☐ 4. 1,96,892

Q.22 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. ₹78,000
 - ☐ 2. ₹78,600
 - ☐ 3. ₹75,000
 - ☒ 4. ₹76,800

Q.23 A number, when increased by 60%, gives 3570. The number is:

- Ans**
- ☒ 1. 2231.25
 - ☐ 2. 1115.625
 - ☐ 3. 4462.5
 - ☐ 4. 6693.75

Q.24 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. 16%
 - ☐ 2. 15%
 - ☐ 3. 19%
 - ☐ 4. 14%

Q.25 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. 32

☒ 2. 18

☒ 3. 28

☒ 4. 14

Q.26 The perimeter of an equilateral triangle ABC is 22.2 cm. What is the area of triangle (in cm^2)?

Ans ☒ 1. $11.36\sqrt{3}$

☒ 2. $12.76\sqrt{3}$

☒ 3. $13.69\sqrt{3}$

☒ 4. $14.93\sqrt{3}$

Q.27 The number of prime numbers lying between 306 and 313, both included, is:

Ans ☒ 1. 5

☒ 2. 3

☒ 3. 2

☒ 4. 4

Q.28 The product of two consecutive natural numbers is 182. The greater of the two numbers is:

Ans ☒ 1. 14

☒ 2. 7

☒ 3. 27

☒ 4. 26

Q.29 Mahesh bought some sharpeners at the rate of ₹150 a dozen. He sold them for ₹41 each. His profit percentage is ____%.

Ans ☒ 1. 230

☒ 2. 232

☒ 3. 228

☒ 4. 226

Q.30 The sides of a triangle are 44 cm, 33 cm, and 55 cm. What is its area? (in cm^2)

Ans ☒ 1. 726

☒ 2. 742

☒ 3. 732

☒ 4. 749

Section : General Intelligence and Reasoning

Q.1 What should come in place of the question mark (?) in the given series?

96 102 104 110 112 ?

Ans ☒ 1. 119

☒ 2. 120

☒ 3. 118

☒ 4. 116

Q.2 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. IUOP
 - ☐ 2. IFSY
 - ☒ 3. IFYS
 - ☐ 4. IYSF

Q.3 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. TV 79
 - ☐ 2. UW 77
 - ☒ 3. VX 79
 - ☐ 4. VW 77

Q.4 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. 4 km to the east
 - ☐ 2. 3 km to the south
 - ☐ 3. 2 km to the south
 - ☒ 4. 1 km to the south

Q.5 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. Two
 - ☐ 2. Three
 - ☐ 3. Four
 - ☒ 4. One

Q.6 Kabir ranked 27th from the top and 34th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 61
 - ☐ 2. 62
 - ☒ 3. 60
 - ☐ 4. 59

Q.7 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. 16
 - ☐ 3. 24
 - ☒ 4. 48

Q.8 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. LDX
 - ✗ 2. LWC
 - ✗ 3. LDC
 - ✗ 4. LMX

Q.9 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. 4
 - ✗ 2. 1
 - ✗ 3. 3
 - ✓ 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 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. Three
 - ✓ 2. Two
 - ✗ 3. Four
 - ✗ 4. One

Q.11 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. W
 - ✗ 2. K
 - ✗ 3. I
 - ✓ 4. L

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 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. CS-YA
 - ✓ 2. BR-XE
 - ✗ 3. VL-RT
 - ✗ 4. HX-DF

Q.13 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. QTRT
 - ✗ 2. QTQT
 - ✗ 3. QUQV
 - ✗ 4. QSQT

Q.14 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. CEGH
 - ☐ 2. CFFH
 - ☐ 3. CEFH
 - ☐ 4. CDFH

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.)

15, 224
8, 63

- Ans**
- ☐ 1. 11, 123
 - ☐ 2. 13, 170
 - ☐ 3. 6, 37
 - ☒ 4. 9, 80

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. JA-DG
 - ☐ 3. PG-JN
 - ☐ 4. LC-FJ

Q.17 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged, and '÷' and '×' are interchanged?

$$13 - 2 \times 75 + 3 \div 24 = ?$$

- Ans**
- ☐ 1. 34
 - ☐ 2. 46
 - ☐ 3. 38
 - ☒ 4. 25

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 lipsticks are tabs.

No tab is a kite.

Conclusions:

(I): Some lipsticks are kites.

(II): Some tabs are lipsticks.

- 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.19 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. 125th
 - ☐ 2. 126th
 - ☒ 3. 124th
 - ☐ 4. 123rd

Q.20 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. tk
 - ☒ 2. jb
 - ☐ 3. mo
 - ☐ 4. al

Q.21 What should come in place of the question mark (?) in the given series?

23 ? 46 59 73 88

- Ans**
- ☒ 1. 34
 - ☐ 2. 42
 - ☐ 3. 36
 - ☐ 4. 30

Q.22 What should come in place of the question mark (?) in the given series?

50 61 78 101 132 173 ?

- Ans**
- ☒ 1. 220
 - ☐ 2. 201
 - ☐ 3. 210
 - ☐ 4. 221

Q.23 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 mother
 - ☒ 2. Son's wife's father
 - ☐ 3. Son's wife's brother
 - ☐ 4. Son's wife's sister

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

- 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. YBZ
 - ☒ 2. MPO
 - ☒ 3. ORP
 - ☒ 4. EHF

- Q.26** 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. One
 - ☒ 3. Two
 - ☒ 4. Four

- Q.27** 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. 39 km towards north
 - ☒ 2. 37 km towards west
 - ☒ 3. 43 km towards east
 - ☒ 4. 41 km towards south

- Q.28** 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. 594
 - ☒ 2. 449
 - ☒ 3. 544
 - ☒ 4. 494

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) 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. 3
 - ☐ 2. 2
 - ☒ 3. 5
 - ☐ 4. 1

Q.30 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. 47
 - ☐ 2. 40
 - ☐ 3. 58
 - ☐ 4. 52



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



Test Center Name	Shri Ganesh College of IT & Management
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 The Human Development Index emphasises people-centric development. Who is credited with creating the HDI alongside Amartya Sen?

- Ans
- ☐ 1. Kaushik Basu
 - ☐ 2. Jean Drèze
 - ☐ 3. Manmohan Singh
 - ☒ 4. Mahbub ul Haq

Q.2 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. BARC
 - ☐ 4. DRDO Research Lab

Q.3 What was the main motive of British colonial rule in India?

- Ans
- ☐ 1. Welfare of Indian farmers
 - ☐ 2. Industrialisation of India
 - ☒ 3. Economic exploitation of India
 - ☐ 4. Social development of India

Q.4 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. 1991
 - ☐ 2. 1994
 - ☐ 3. 2003
 - ☒ 4. 1999

Q.5 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. Subhasish Bose
 - ✗ 2. Sunil Chhetri
 - ✗ 3. Sandesh Jhingan
 - ✗ 4. Gurpreet Singh Sandhu

Q.6 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 Parliament cannot amend any part of the Constitution under any circumstances.
 - ✗ 2. The President of India has the ultimate authority to approve or reject constitutional amendments independently.
 - ✓ 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.7 How many Khelo India centres did the Delhi government propose to establish in June 2025?

- Ans**
- ✗ 1. Ten
 - ✓ 2. Six
 - ✗ 3. Eight
 - ✗ 4. Two

Q.8 What was the main objective of India's First Five Year Plan (1951-56)?

- Ans**
- ✗ 1. Growth of IT services
 - ✗ 2. Heavy industrialisation
 - ✗ 3. Privatisation of PSUs
 - ✓ 4. Agricultural development

Q.9 What is the name of India's high-resolution weather forecasting system launched in May 2025?

- Ans**
- ✗ 1. National Weather Grid
 - ✓ 2. Bharat Forecasting System
 - ✗ 3. India Climate Monitor
 - ✗ 4. Bharat Weather Network

Q.10 The Women's Kabaddi World Cup scheduled for June 2025, was announced to be hosted in which location in India?

- Ans**
- ✗ 1. Ahmedabad
 - ✗ 2. Kolkata
 - ✗ 3. Chennai
 - ✓ 4. Rajgir

Q.11 Jhumur, a traditional folk dance, originated in which of the following Indian states?

- Ans**
- ✗ 1. Kerala
 - ✗ 2. Punjab
 - ✓ 3. Assam
 - ✗ 4. Gujarat

Q.12 The introduction of English education in India was promoted through which of the following documents?

- Ans**
- ☐ 1. Regulating Act
 - ☐ 2. Charter Act of 1813
 - ☒ 3. Macaulay's Minute
 - ☐ 4. Pitts India Act

Q.13 What is the condition for total internal reflection to occur?

- Ans**
- ☒ 1. Light must travel from a denser to a rarer medium at an angle greater than the critical angle.
 - ☐ 2. Light must strike the boundary at 90° to the normal separating any two mediums of different refractive indices.
 - ☐ 3. The refractive indices of both media must be equal.
 - ☐ 4. Light must travel from a rarer medium to a denser medium at an angle of 90° .

Q.14 Which of the following Committees is a Standing Committee of the Parliament?

- Ans**
- ☐ 1. Joint Parliamentary Committee on 2G Spectrum
 - ☒ 2. Public Accounts Committee
 - ☐ 3. Delimitation Commission
 - ☐ 4. Select Committee on a Bill

Q.15 Which of the following is the most effective step for mitigating the impact of an earthquake?

- Ans**
- ☐ 1. Flood barriers
 - ☐ 2. Deforestation
 - ☒ 3. Seismic zoning and earthquake-resistant buildings
 - ☐ 4. Water harvesting

Q.16 In which of the following cases did the Supreme Court uphold the Right to Privacy as a Fundamental Right in 2017?

- Ans**
- ☐ 1. Navtej Singh Johar vs. Union of India
 - ☒ 2. Puttaswamy vs. Union of India
 - ☐ 3. Shreya Singhal vs. Union of India
 - ☐ 4. Indira Sawhney vs. Union of India

Q.17 The Union Territories Laws (Amendment) Bill, which was introduced in the Lok Sabha on 17 December 2024, amends how many Acts?

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

Q.18 Littoral forests are most associated with which kind of ecosystem?

- Ans**
- ☐ 1. Grassland ecosystem
 - ☐ 2. Tundra ecosystem
 - ☐ 3. Desert ecosystem
 - ☒ 4. Wetland ecosystem

Q.19 Which constitutional Articles ensure the writ jurisdiction of the Supreme Court and High Courts for enforcing fundamental rights, including RTI?

- Ans**
- ☐ 1. Articles 21 and 39
 - ☐ 2. Articles 14 and 15
 - ☐ 3. Articles 51 and 356
 - ☒ 4. Articles 32 and 226

Q.20 Which of the following is responsible for causing convectional rainfall?

- Ans**
- ☐ 1. Mountains forcing air to rise
 - ☐ 2. Cyclonic movements
 - ☐ 3. Cold and warm air masses meeting
 - ☒ 4. Intense surface heating causing air to rise

Q.21 Which mode of transport is most suitable for transporting heavy and bulky goods over long distances?

- Ans**
- ☒ 1. Railways
 - ☐ 2. Pipelines
 - ☐ 3. Airways
 - ☐ 4. Roadways

Q.22 According to Article 335 of the Constitution of India, claims of SCs and STs shall be taken into consideration in matters of:

- Ans**
- ☒ 1. public employment
 - ☐ 2. taxation policies
 - ☐ 3. land acquisition
 - ☐ 4. religious freedom

Q.23 Who was honoured with the Padma Bhushan in 2025 for their contributions to Indian cinema?

- Ans**
- ☒ 1. Shekhar Kapur
 - ☐ 2. Aamir Khan
 - ☐ 3. Subhash Ghai
 - ☐ 4. Mukesh Khanna

Q.24 Amir Khusrau is known for contributing to which two languages?

- Ans**
- ☒ 1. Persian and Hindavi
 - ☐ 2. Bengali and Punjabi
 - ☐ 3. Sanskrit and Tamil
 - ☐ 4. Marathi and Gujarati

Q.25 Who introduced the Railways (Amendment) Bill that was passed in the Rajya Sabha in March 2025?

- Ans**
- ☐ 1. Sarbananda Sonowal
 - ☐ 2. Kiren Rijiju
 - ☒ 3. Ashwini Vaishnaw
 - ☐ 4. Hardeep Singh Puri

Q.26 Which Article of the Indian Constitution states that Directive Principles are not enforceable by any court?

- Ans**
- ☐ 1. Article 39
 - ☐ 2. Article 36
 - ☒ 3. Article 37
 - ☐ 4. Article 38

Q.27 What is the primary cause of southwest monsoon in India?

- Ans**
- ☐ 1. Local winds from the desert
 - ☐ 2. Tidal effects
 - ☒ 3. Differential heating of land and sea
 - ☐ 4. Westerly winds from the Atlantic

Q.28 What is the value of one roentgen (R) when expressed in SI units?

- Ans**
- ☐ 1. 1.6×10^{-19} coulombs
 - ☐ 2. 3.7×10^{10} disintegrations per second
 - ☐ 3. 1.0×10^{-3} grays
 - ☒ 4. 2.58×10^{-4} coulombs per kilogram

Q.29 What is 'Google Beam' introduced under Project Starline?

- Ans**
- ☐ 1. A hardware device for enhancing internet speed in rural areas
 - ☒ 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 language translation tool for real-time communication

Q.30 Which keyboard button is used as a shortcut to rename a selected file or folder in Windows?

- Ans**
- ☐ 1. Ctrl
 - ☒ 2. F2
 - ☐ 3. Esc
 - ☐ 4. F5

Q.31 Which of the following best defines impulse in mechanics?

- Ans**
- ☐ 1. The rate of change of momentum multiplied by the distance
 - ☐ 2. The change in displacement over time
 - ☒ 3. The product of force and the time for which it acts
 - ☐ 4. The product of mass and velocity

Q.32 Why is wheat grown in the north-western plains of India?

- Ans**
- ☐ 1. Because it receives heavy rainfall during the monsoon
 - ☒ 2. Because the region has fertile alluvial soil and cool winters
 - ☐ 3. Because it lies close to the coastal water bodies
 - ☐ 4. Because the region has red soil with limited annual rainfall

Q.33 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.34 Which of the following was NOT a reason for the Paleolithic people to move from place to place?

- Ans**
- ☐ 1. Resource exhaustion
 - ☐ 2. Movement of prey animals
 - ☐ 3. Seasonal changes
 - ☒ 4. Failure of crops

Q.35 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 only
 - ☐ 2. 1 and 2 only
 - ☒ 3. 1, 2 and 3 only
 - ☐ 4. 1, 2, 3 and 4

Q.36 What was the other name of Chandragupta II, the renowned ruler of the Gupta dynasty?

- Ans**
- ☐ 1. Suryadeva
 - ☐ 2. Dhruvasena
 - ☐ 3. Karmaputra
 - ☒ 4. Vikramaditya

Q.37 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. 500 seconds
 - ☒ 2. 1,000 seconds
 - ☐ 3. 120 seconds
 - ☐ 4. 1,500 seconds

Q.38 Pondicherry was captured by the Dutch in 1693 but was returned to the French company by the Treaty of Ryswick in ____.

- Ans**
- ☐ 1. 1704
 - ☐ 2. 1696
 - ☐ 3. 1741
 - ☒ 4. 1699

Q.39 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. 90 days
 - ☐ 2. 70 days
 - ☐ 3. 120 days
 - ☐ 4. 50 days

Q.40 Which of the following elements provides access to system settings, installed programs, and power options from the desktop?

- Ans**
- ☐ 1. File Explorer
 - ☐ 2. Notification Area
 - ☒ 3. Start Menu
 - ☐ 4. Taskbar

Q.1 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.2 Anjali can do a certain piece of work in 21 days. Anjali and Ayushi can do the same work together in 8 days. In how many days can Ayushi alone do the same work?

- Ans**
- ✓ 1. $\frac{56}{5}$
 - ✗ 2. $\frac{48}{5}$
 - ✗ 3. $\frac{47}{6}$
 - ✗ 4. $\frac{57}{7}$

Q.3 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.4 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. 197.5
 - ✗ 2. 182
 - ✗ 3. 183
 - ✓ 4. 196.5

Q.5 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. 2694
 - ✗ 3. 2801
 - ✗ 4. 2409

Q.6 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. 3.35 km
☐ 2. 2.51 km
☐ 3. 2.84 km
☐ 4. 2.46 km

Q.7 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. ₹46,154
☒ 2. ₹47,475
☐ 3. ₹45,979
☐ 4. ₹48,876

Q.8 If $M = \sqrt{\frac{1 + \cos A}{1 - \cos A}} - \operatorname{cosec} A - \cot A$, and A is an acute angle, then v

- Ans** ☐ 1. 1
☒ 2. 0
☐ 3. -1
☐ 4. 2

Q.9 The HCF and LCM of two numbers are 11 and 792, respectively. If one number is 88, then find the other number.

- Ans** ☐ 1. 89
☐ 2. 93
☐ 3. 97
☒ 4. 99

Q.10 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. 16
☐ 3. 14
☒ 4. 18

Q.11 A number, when decreased by 7%, gives 3720. The number is:

- Ans** ☐ 1. 8000
☐ 2. 12000
☒ 3. 4000
☐ 4. 2000

Q.12 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 1 month.

- Ans** ☐ 1. ₹24
☐ 2. ₹8
☒ 3. ₹48
☐ 4. ₹4

Q.13 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. 34.52
 - ☐ 2. 35.52
 - ☒ 3. 33.52
 - ☐ 4. 32.52

Q.14 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. 582 % loss
 - ☐ 3. $\frac{592}{19}\%$ profit
 - ☒ 4. $\frac{582}{19}\%$ loss

Q.15 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. ₹15,500
 - ☐ 2. ₹15,000
 - ☒ 3. ₹15,300
 - ☐ 4. ₹16,000

Q.16 Find the surface area (rounded off to the nearest integer) of a sphere of radius 6.5 cm. (Take $\pi = 22/7$)

- Ans
- ☐ 1. 530 cm²
 - ☐ 2. 540 cm²
 - ☒ 3. 531 cm²
 - ☐ 4. 534 cm²

Q.17 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.18 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. 7 km/hr
 - ☐ 2. 16 km/hr
 - ☐ 3. 1 km/hr
 - ☒ 4. 6 km/hr

Q.19 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.20 The value of $\sqrt{121} + \sqrt{0.0121} - \sqrt{7.84}$ is _____.

- Ans
- ☐ 1. 7.73
 - ☐ 2. 10.34
 - ☒ 3. 8.31
 - ☐ 4. 3.9

Q.21 Which of the following numbers is divisible by 22?

- Ans
- ☐ 1. 6580350
 - ☐ 2. 6136901
 - ☐ 3. 8132950
 - ☒ 4. 7467614

Q.22 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. ₹14,000
 - ☐ 2. ₹20,000
 - ☐ 3. ₹12,000
 - ☒ 4. ₹16,000

Q.23 If the third proportional of 4 and 22 be x, then what is the value of x?

- Ans
- ☐ 1. 122
 - ☐ 2. 123
 - ☐ 3. 119
 - ☒ 4. 121

Q.24 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.25 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. 286
 - ☐ 2. 265
 - ☐ 3. 264
 - ☒ 4. 270

Q.26 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. decrease by ₹12,100
 - ✗ 2. decrease by ₹12,095
 - ✗ 3. increase by ₹12,099
 - ✗ 4. increase by ₹12,098

Q.27 The sum of two numbers is 52 and their LCM is 627. The two numbers are:

- Ans**
- ✗ 1. 12, 40
 - ✗ 2. 17, 35
 - ✓ 3. 19, 33
 - ✗ 4. 24, 28

Q.28 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. 17
 - ✗ 2. 14
 - ✗ 3. 15
 - ✓ 4. 13

Q.29 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. Third scheme
 - ✗ 2. First scheme
 - ✗ 3. All the schemes are same
 - ✓ 4. Second scheme

Q.30 Evaluate: $(-9) - (-60) \div (-10) + (-2) \times 6$

- Ans**
- ✗ 1. -29
 - ✗ 2. -26
 - ✗ 3. -30
 - ✓ 4. -27

Section : General Intelligence and Reasoning

Q.1 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. WINK - WNIK - KNIW
 - ✗ 3. CODE - COED - ODEC
 - ✓ 4. CAME - CEMA - EMAC

Q.2 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. 1
 - ☐ 3. 6
 - ☒ 4. 7

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 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. (184, 130, 318)
 - ☐ 3. (164, 178, 352)
 - ☒ 4. (183, 209, 392)

Q.4 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. 10
 - ☐ 2. 12
 - ☐ 3. 7
 - ☒ 4. 8

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.)

- Ans**
- ☐ 1. MO-RK
 - ☐ 2. JL-OH
 - ☐ 3. GI-LE
 - ☒ 4. DF-IC

Q.6 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. 4 km to the north
 - ☐ 2. 1 km to the north
 - ☒ 3. 3 km to the north
 - ☐ 4. 2 km to the north

Q.7 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. 5
 - ☐ 2. 3
 - ☒ 3. 4
 - ☐ 4. 2

Q.8 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. OUT : PVU
 - ☐ 2. UIP : VJR
 - ☐ 3. WER : ZFS
 - ☐ 4. ELA : FCD

Q.9 What will come in the place of the question mark (?) in the following equation, if '+' and 'x' are interchanged and '-' and '÷' are interchanged?

$$117 + 16 - 10 \times 2 \div 2 - 68 + 10 \times 5 - 9 = ?$$

- Ans**
- ☒ 1. 186
 - ☐ 2. 168
 - ☐ 3. 124
 - ☐ 4. 96

Q.10 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. 2
 - ☐ 2. 4
 - ☐ 3. 1
 - ☐ 4. 3

Q.11 What should come in place of ? in the given series based on the English alphabetical order?

BJS CLT DNU EPV ?

- Ans**
- ☐ 1. GRV
 - ☒ 2. FRW
 - ☐ 3. FRV
 - ☐ 4. GSV

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 pair.)

- Ans**
- ☐ 1. NJ-VR
 - ☐ 2. GC-OK
 - ☒ 3. TP-AX
 - ☐ 4. HD-PL

Q.13 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. 508
 - ☐ 2. 510
 - ☐ 3. 509
 - ☒ 4. 507

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. (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. 4
 - ☐ 2. 2
 - ☐ 3. 5
 - ☒ 4. 3

Q.15 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. 5
 - ☒ 3. 8
 - ☐ 4. 10

Q.16 What should come in place of the question mark (?) in the given series?

195 189 180 174 165 159 ?

- Ans**
- ☐ 1. 153
 - ☐ 2. 155
 - ☐ 3. 149
 - ☒ 4. 150

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. QBA
 - ☐ 2. INS
 - ☐ 3. UZE
 - ☐ 4. TYD

Q.18 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. FIB
 - ☐ 2. FJA
 - ☐ 3. FJB
 - ☒ 4. FIA

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 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. 3
 - ☒ 2. 4
 - ☐ 3. 1
 - ☐ 4. 2

Q.20 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. Three
 - ☒ 3. Two
 - ☐ 4. One

Q.21 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. SKLO
 - ☐ 2. KSLO
 - ☒ 3. KSOL
 - ☐ 4. SKOL

Q.22 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. G
 - ☒ 2. P
 - ☐ 3. F
 - ☐ 4. N

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

1200, 1200, 1800, 3600, 9000, ?

- Ans**
- ☐ 1. 15000
 - ☐ 2. 12000
 - ☒ 3. 27000
 - ☐ 4. 18000

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

- Q.25** 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. North
☐ 3. West
☐ 4. East

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

- Q.27** 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. Father
☒ 2. Mother's father
☐ 3. Father's father
☐ 4. Husband's father

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

31 42 57 76 99 ?

- Ans** ☒ 1. 126
☐ 2. 127
☐ 3. 128
☐ 4. 125

Q.29 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. 1
 - ☐ 2. 6
 - ☐ 3. 7
 - ☒ 4. 3

Q.30 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. 1
 - ☐ 2. 6
 - ☐ 3. 5
 - ☒ 4. 7



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Test Center Name	iON Digital Zone Chikalthana
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.

- Options shown in green color with a tick icon are correct.
- 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 considered a major challenge to human development in India?

- Ans**
- ✓ 1. Persistent regional disparities
 - ✗ 2. Increasing digital infrastructure
 - ✗ 3. Rapid urbanisation
 - ✗ 4. High foreign exchange reserves

Q.2 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.3 Bhaga and Chandra streams join at which place in Himachal Pradesh forming the river Chenab?

- Ans**
- ✗ 1. Rohtang Pass
 - ✗ 2. Verinag Spring
 - ✓ 3. Tandi
 - ✗ 4. Kullu

Q.4 Who among the following Delhi sultans accidentally died during a game of polo in the year 1210?

- Ans**
- ✗ 1. Jalaluddin Khilji
 - ✓ 2. Qutbuddin Aibak
 - ✗ 3. Firuz Shah Tughluq
 - ✗ 4. Ibrahim Lodi

Q.5 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. Upanishads
 - ☒ 2. Edicts of Ashoka
 - ☐ 3. Vedas
 - ☐ 4. Arthashastra

Q.6 Which valuable tree grows mainly in the western Himalayas and is used in construction?

- Ans**
- ☒ 1. Deodar
 - ☐ 2. Magnolia
 - ☐ 3. Rhododendron
 - ☐ 4. Cinchona

Q.7 Which among the following state lies in the south of the Great Indian Desert?

- Ans**
- ☐ 1. Madhya Pradesh
 - ☐ 2. Uttar Pradesh
 - ☒ 3. Gujarat
 - ☐ 4. Haryana

Q.8 Which of the following is the correct method to create a new folder using the File menu in Windows 7?

- Ans**
- ☐ 1. Start → File → Folder → New
 - ☐ 2. Open Computer → Right-click drive → File → New → Folder
 - ☐ 3. Control Panel → File → Create → New Folder
 - ☒ 4. Open Computer → Open desired drive (e.g., D:) → Click on File → New → Folder

Q.9 Which Fundamental Right guarantees Freedom of Speech, Assembly and Movement?

- Ans**
- ☐ 1. Right to Cultural Rights
 - ☐ 2. Right to Equality
 - ☐ 3. Right to Constitutional Remedies
 - ☒ 4. Right to Freedom

Q.10 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. Shehzada
 - ☐ 2. Chandu Champion
 - ☐ 3. Satyaprem Ki Katha
 - ☒ 4. Bhool Bhulaiyaa 3

Q.11 Which of the following processes is absent in C₄ plants?

- Ans**
- ☐ 1. Transpiration
 - ☒ 2. Photorespiration
 - ☐ 3. Photosynthesis
 - ☐ 4. Respiration

Q.12 What does Ctrl + F help users to do?

- Ans**
- ☒ 1. Find text in the current document or webpage
 - ☐ 2. Format the document
 - ☐ 3. Find a file on the desktop
 - ☐ 4. Forward an email

Q.13 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. Saansad Adarsh Gram Yojana
 - ☐ 3. Pradhan Mantri Gram Sadak Yojana
 - ☒ 4. Pradhan Mantri Ujjwala Yojana

Q.14 In which city was the agreement signed in March 2025 to resolve the border dispute between Kyrgyzstan and Tajikistan?

- Ans**
- ☐ 1. Batken
 - ☐ 2. Dushanbe
 - ☒ 3. Bishkek
 - ☐ 4. Osh

Q.15 To harden the steel, which material is required in the steel industry?

- Ans**
- ☐ 1. Bauxite
 - ☒ 2. Manganese
 - ☐ 3. Mica
 - ☐ 4. Limestone

Q.16 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. 1990
 - ☐ 2. 1977
 - ☒ 3. 1984
 - ☐ 4. 1994

Q.17 The Inter-State Council is constituted under which Article?

- Ans**
- ☐ 1. Article 280
 - ☐ 2. Article 368
 - ☒ 3. Article 263
 - ☐ 4. Article 346

Q.18 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. heinous crimes
 - ☐ 2. theft
 - ☐ 3. drug abuse
 - ☐ 4. cybercrime

Q.19 Which of the following human activities contributes the most to the increase in atmospheric carbon dioxide levels?

- Ans**
- ☐ 1. Use of fertilisers in agriculture
 - ☒ 2. Burning of fossil fuels
 - ☐ 3. Afforestation
 - ☐ 4. Construction of dams

Q.20 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.21 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. Chandrasekhar Azad
 - ☐ 3. Uddham Singh
 - ☒ 4. Bhagat Singh

Q.22 Lala Lajpat Rai, Indian revolutionary politician and author was also recognised by which of the following title?

- Ans**
- ☒ 1. Punjab Kesari
 - ☐ 2. Tilak of Punjab
 - ☐ 3. Mahamana
 - ☐ 4. Deshbandhu

Q.23 When referring to the conventional rod puppet shows of West Bengal, what is the name used?

- Ans**
- ☐ 1. Gombeyatta
 - ☐ 2. Kathputli
 - ☒ 3. Putul Nautch
 - ☐ 4. Yakshagana

Q.24 According to constitutional provisions, what is the maximum permissible size of a State Council of Ministers, including the Chief Minister?

- Ans**
- ☐ 1. No specific limit is defined
 - ☐ 2. 20% of the total strength of the Legislative Assembly
 - ☐ 3. 10% of the total strength of the Legislative Assembly
 - ☒ 4. 15% of the total strength of the Legislative Assembly

Q.25 Which non-constitutional body investigates corruption complaints against public servants?

- Ans**
- ☐ 1. Finance Commission
 - ☐ 2. Election Commission
 - ☒ 3. Lokpal
 - ☐ 4. Union Public Service Commission

Q.26 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.27 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. National Institution for Transforming India Aayog and Indian Space Research Organisation
 - ☐ 2. Defence Research and Development Organisation and National Thermal Power Corporation
 - ☒ 3. National Solar Energy Federation of India and National Institute of Solar Energy
 - ☐ 4. Ministry of New and Renewable Energy and Bharat Heavy Electricals Limited

Q.28 During the colonial period, the services sector accounted for only ____.

- Ans**
- ☒ 1. 15-20%
 - ☐ 2. 22-29%
 - ☐ 3. 25-32%
 - ☐ 4. 5-10%

Q.29 Who among the following won a maiden Italian Open title in May 2025 by defeating world No. 1 Jannik Sinner in Rome?

- Ans**
- ☐ 1. Novak Djokovic
 - ☐ 2. Rafael Nadal
 - ☒ 3. Carlos Alcaraz
 - ☐ 4. Daniil Medvedev

Q.30 The brothers Sidhu and Kanhu were the leaders of which of the following tribal uprisings?

- Ans**
- ☐ 1. Kol Mutiny
 - ☒ 2. Santhal Rebellion
 - ☐ 3. Koya revolts
 - ☐ 4. Ho uprising

Q.31 In which of the following years was the first thermal power plant of the Calcutta Electric Supply Corporation Limited commissioned?

- Ans**
- ☒ 1. 1899
 - ☐ 2. 1909
 - ☐ 3. 1916
 - ☐ 4. 1925

Q.32 Which DRDO-developed system, tested in 2025, is designed to detect and neutralise multiple types of underwater threats?

- Ans**
- ☒ 1. Maareech
 - ☐ 2. Varunastra
 - ☐ 3. Takshak
 - ☐ 4. MIGM

Q.33 Which of the following is cited as evidence for a highly centralised administration in the Indus-Sarasvati civilisation?

- Ans**
- ☐ 1. Monumental palaces and temples
 - ☒ 2. Standardised weights and measures
 - ☐ 3. Absence of seals and standard script
 - ☐ 4. Elaborate royal tombs

Q.34 How many significant figures are there in 2.308 cm?

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

Q.35 Which of the following is NOT a function under the Twelfth Schedule of the Constitution?

- Ans**
- ☐ 1. Public health
 - ☐ 2. Urban poverty alleviation
 - ☐ 3. Urban planning
 - ☒ 4. Foreign trade promotion

Q.36 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. Kempegowda International Airport
 - ☒ 3. Indira Gandhi International Airport (IGIA)
 - ☐ 4. Chennai International Airport

Q.37 Who was appointed as the Chief Election Commissioner of India in February 2025?

- Ans**
- ☐ 1. Sunil Arora
 - ☐ 2. Sushil Chandra
 - ☐ 3. Rajiv Kumar
 - ☒ 4. Gyanesh Kumar

Q.38 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. Indian Space Research Organisation (ISRO)
 - ☐ 3. Department of Science and Technology (DST)
 - ☒ 4. Defence Research and Development Organisation (DRDO)

Q.39 Where was Exercise Dharma Guardian, 2025, held?

- Ans**
- ☐ 1. Tokyo, Japan
 - ☒ 2. East Fuji, Japan
 - ☐ 3. New Delhi, India
 - ☐ 4. Pune, India

Q.40 In May 2025, DRDO inaugurated a new research centre focusing on which advanced technology?

- Ans**
- ☒ 1. Quantum Technology
 - ☐ 2. Nanotechnology
 - ☐ 3. Robotics
 - ☐ 4. Artificial Intelligence

Section : Mathematics

Q.1 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. ₹173
 - ☐ 2. ₹171
 - ☒ 3. ₹174
 - ☐ 4. ₹175

Q.2 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. 25%
 - ☐ 2. 23%
 - ☒ 3. 24%
 - ☐ 4. 26%

Q.3 Find the mean proportional between 18 and 32.

- Ans**
- ☐ 1. 21
 - ☒ 2. 24
 - ☐ 3. 23
 - ☐ 4. 26

Q.4 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. 17 hours
 - ☒ 2. 20 hours
 - ☐ 3. 30 hours
 - ☐ 4. 14 hours

Q.5 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 m²) of the four walls of the room?

- Ans**
- ☒ 1. 418
 - ☐ 2. 414
 - ☐ 3. 416
 - ☐ 4. 412

Q.6 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.7 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. 2502
 - ☒ 3. 2500
 - ☐ 4. 2501

Q.8

If

$$\begin{aligned}x &= a \operatorname{cosec} A \sin B, \\y &= b \operatorname{cosec} A \cos B, \text{ and} \\z &= c \cot A,\end{aligned}$$

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.9 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. $M = N$

☐ 2. $M - N = 1$

☐ 3. $M + N = 3$

☒ 4. $M - N = -3$

Q.10 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. 4 days

☐ 3. 3 days

☒ 4. 2 days

Q.11 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. $6\frac{2}{17}$ hours

☐ 2. $2\frac{2}{17}$ hours

☐ 3. $9\frac{2}{17}$ hours

☐ 4. $3\frac{2}{17}$ hours

Q.12 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. 110

☐ 2. 76

☒ 3. 174

☐ 4. 157

Q.13 The average of three numbers is 20. If two of them are 18 and 28, the third number is:

- Ans**
- ☐ 1. 15
 - ☒ 2. 14
 - ☐ 3. 16
 - ☐ 4. 13

Q.14 The value of $6^2 + \sqrt{3^2} - 7\sqrt{81} - 16$ is

- Ans**
- ☐ 1. -32
 - ☐ 2. -37
 - ☐ 3. -50
 - ☒ 4. -40

Q.15 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. 16
 - ☐ 2. 15
 - ☐ 3. 18
 - ☒ 4. 14

Q.16 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. ₹15,928
 - ☐ 2. ₹14,343
 - ☒ 3. ₹15,520
 - ☐ 4. ₹16,401

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. 69%
 - ☐ 2. 61%
 - ☐ 3. 63%
 - ☒ 4. 65%

Q.18 A number when increased by 100% gives 2730. The number is:

- Ans**
- ☒ 1. 1365
 - ☐ 2. 2730
 - ☐ 3. 682.5
 - ☐ 4. 4095

Q.19 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 2 months.

- Ans**
- ☐ 1. ₹8
 - ☒ 2. ₹96
 - ☐ 3. ₹28
 - ☐ 4. ₹16

Q.20 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. $2^7 \times 3^6 \times 7^2$
 - ☐ 2. $2^7 \times 3^5 \times 7^3$
 - ☒ 3. $2^7 \times 3^6 \times 7^3$
 - ☐ 4. $2^7 \times 3^6 \times 7^4$

Q.21 Which of the following numbers is divisible by 24?

- Ans
- ☐ 1. 73,40,390
 - ☐ 2. 79,91,987
 - ☐ 3. 68,30,908
 - ☒ 4. 71,32,968

Q.22 Simplify $13 \times (3 \times 4^2) \div 9 + 59 - 75$

- Ans
- ☒ 1. $\frac{160}{3}$
 - ☐ 2. $\frac{160}{9}$
 - ☐ 3. $\frac{157}{9}$
 - ☐ 4. $\frac{157}{3}$

Q.23 If the marked price of a book is ₹900, then find the selling price of the book after getting discount of 13%.

- Ans
- ☒ 1. ₹783
 - ☐ 2. ₹789
 - ☐ 3. ₹891
 - ☐ 4. ₹889

Q.24 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. 8.17
 - ☐ 3. 4.72
 - ☒ 4. 6.03

Q.25 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. 9 km/hr
 - ☐ 2. 20 km/hr
 - ☐ 3. 8 km/hr
 - ☒ 4. 14 km/hr

Q.26 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. $\frac{875}{41}\%$ loss
 - ☒ 2. $\frac{885}{41}\%$ loss
 - ☒ 3. 875 % profit
 - ☒ 4. $\frac{875}{41}\%$ profit

Q.27 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. 170
 - ☒ 2. 96
 - ☒ 3. 10
 - ☒ 4. 20

Q.28 The simple interest on a certain sum for $7\frac{1}{3}$ years at the rate of 4.5%

What will be the amount payable on the same sum at the rate of 8.6%

- Ans**
- ☒ 1. ₹37,784
 - ☒ 2. ₹37,794
 - ☒ 3. ₹37,791
 - ☒ 4. ₹37,783

Q.29 If the measure of each interior angle of a regular polygon is 140° , then the number of its diagonals will be:

- Ans**
- ☒ 1. 20
 - ☒ 2. 25
 - ☒ 3. 16
 - ☒ 4. 27

Q.30 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. 31.12
 - ☒ 2. 32.12
 - ☒ 3. 34.12
 - ☒ 4. 33.12

Section : General Intelligence and Reasoning

Q.1 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. NLKP
 - ☒ 4. LNPk

Q.2 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. Four
 - ☒ 3. Three
 - ☐ 4. Two

Q.3 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. jo
 - ☐ 3. tu
 - ☐ 4. ak

Q.4 What should come in place of the question mark (?) in the given series?

4 12 28 52 84 ?

- Ans**
- ☒ 1. 124
 - ☐ 2. 120
 - ☐ 3. 125
 - ☐ 4. 130

Q.5 What should come in place of the question mark (?) in the given series?

33 , 34 , 36 , 40 , 48 , ?

- Ans**
- ☒ 1. 64
 - ☐ 2. 65
 - ☐ 3. 45
 - ☐ 4. 56

Q.6 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. OR-VM
 - ☐ 4. LO-SJ

Q.7 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. 75th
 - ☐ 2. 74th
 - ☒ 3. 73rd
 - ☐ 4. 72nd

Q.8 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. 8
 - ☐ 2. 12
 - ☐ 3. 6
 - ☒ 4. 10

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. HOX
 - ☐ 2. ROX
 - ☐ 3. ROW
 - ☒ 4. HOW

Q.10 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. 4 km towards north
 - ☐ 2. 4 km towards south
 - ☐ 3. 8 km towards south
 - ☒ 4. 6 km towards south

Q.11 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. 10
 - ☐ 2. 16
 - ☐ 3. 12
 - ☒ 4. 14

Q.12 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. 4 km to the east
 - ☐ 2. 3 km to the east
 - ☐ 3. 2 km to the east
 - ☒ 4. 5 km to the east

Q.13 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. Four
 - ☐ 2. Three
 - ☒ 3. One
 - ☐ 4. Two

Q.14 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. KJG-32
 - ☐ 2. KLJ-30
 - ☐ 3. HGL-31
 - ☒ 4. GLM-31

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. MO-RL
 - ☐ 2. CE-HA
 - ☐ 3. IK-NG
 - ☐ 4. FH-KD

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. OQ-TV
 - ☐ 2. VX-AC
 - ☒ 3. GI-LM
 - ☐ 4. KM-PR

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:

Some trees are plants.

Some plants are graphs.

Conclusions:

(I): Some trees are graphs.

(II): All graphs are plants.

- 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.18 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. E
 - ☐ 2. B
 - ☐ 3. F
 - ☒ 4. C

Q.19 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. SQT-TSW
 - ☐ 3. SRV-TTW
 - ☐ 4. SQT-UTX

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. 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. One
 - ☒ 2. Three
 - ☐ 3. Two
 - ☐ 4. Four

Q.21 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.22 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. 3
 - ☒ 2. 15
 - ☐ 3. 6
 - ☐ 4. 5

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?

$$32 + 4 \times 2 - 6 \div 9 = ?$$

- Ans**
- ☐ 1. 82
 - ☒ 2. 84
 - ☐ 3. 81
 - ☐ 4. 83

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 beds are pillows.

Some beds are curtains.

Conclusions:

(I) Some pillows are curtains.

(II) Some curtains are beds.

- 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.25 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. 13
 - ☒ 3. 8
 - ☒ 4. 11

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.

DIMS - SIDM - IMDS

COLT - TOCL - OLCT

- Ans**
- ☒ 1. FROG - GRFO - ROFG
 - ☒ 2. FOUR - FUOR - RUOF
 - ☒ 3. GUYS - SUGY - YUGS
 - ☒ 4. TIME - ITME - EIMT

Q.27 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 β 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. Five
 - ☒ 2. One
 - ☒ 3. Six
 - ☒ 4. Three

Q.28 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. aj
 - ☒ 4. mo

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.)

(46, 41, 26)

(77, 72, 57)

Ans  1. (59, 54, 34)

 2. (62, 57, 42)

 3. (93, 88, 83)

 4. (81, 71, 61)

Q.30 What should come in place of the question mark (?) in the given series?

14 16 20 28 44 ?

Ans  1. 96

 2. 63

 3. 83

 4. 76



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 Center Name	Intrepid Cybertronics Private Limited
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 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. Swasthi Nivas, Nagpur
 - ☒ 2. Mouza Chicholi, Kamptee tehsil, Nagpur district
 - ☐ 3. Subhash Nagar, Nagpur
 - ☐ 4. Vishwas Cell, Nagpur University

Q.2 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 Agra
 - ☐ 3. Airforce station at Prayagraj
 - ☐ 4. Airforce station at Gandhi Nagar

Q.3 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. 20%
 - ☒ 2. 40%
 - ☐ 3. 45%
 - ☐ 4. 30%

Q.4 Which of the following sectors employed the largest share of India's population before independence?

- Ans**
- ☐ 1. Services
 - ☒ 2. Agriculture
 - ☐ 3. Trade
 - ☐ 4. Industry

Q.5 Which state has special constitutional provisions to protect its tribal customs and laws under Article 371A?

- Ans**
- ✓ 1. Nagaland
 - ✗ 2. Assam
 - ✗ 3. Tripura
 - ✗ 4. Mizoram

Q.6 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. Salman Rushdie
 - ✗ 2. Vikram Seth
 - ✗ 3. Arundhati Roy
 - ✗ 4. Rohinton Mistry

Q.7 Which among the following South Indian kingdoms is known for the conquest that crossed the river Ganga in the north?

- Ans**
- ✗ 1. Chalukya
 - ✗ 2. Pallava
 - ✓ 3. Chola
 - ✗ 4. Pandyas

Q.8 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.9 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. S Muralidharan
 - ✗ 3. Saina Nehwal
 - ✗ 4. PV Sindhu

Q.10 Which of the following are main subsystems of the Central Processing Unit (CPU)?

- Ans**
- ✗ 1. Logic Unit, Input Unit and Storage Unit
 - ✗ 2. Arithmetic Unit, Memory Unit and Output Unit
 - ✓ 3. Control Unit, Arithmetic Unit and Logic Unit
 - ✗ 4. Arithmetic Unit, Graphics Unit and Control Bus

Q.11 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. Khadar
 - ✗ 3. Kankar
 - ✗ 4. Bhangar

Q.12 The Indus River system includes all of the following rivers EXCEPT:

- Ans**
- ☐ 1. Jhelum
 - ☐ 2. Ravi
 - ☒ 3. Godavari
 - ☐ 4. Sutlej

Q.13 The provisions for salaries and emoluments of constitutional authorities are mentioned in which Schedule?

- Ans**
- ☐ 1. Ninth Schedule
 - ☐ 2. Third Schedule
 - ☐ 3. Seventh Schedule
 - ☒ 4. Second Schedule

Q.14 You want to create a file called "Notes.txt". Which tool would you use?

- Ans**
- ☐ 1. Windows Media Player
 - ☐ 2. Paint
 - ☒ 3. Notepad
 - ☐ 4. Calculator

Q.15 China deployed a sophisticated Large Phased Array Radar (LPAR) system near the _____ raising concerns over increased surveillance capabilities.

- Ans**
- ☒ 1. India-Myanmar border
 - ☐ 2. India-Bhutan border
 - ☐ 3. India-Nepal border
 - ☐ 4. India-Bangladesh border

Q.16 What types of climate and vegetation characterise the Taiga natural region?

- Ans**
- ☐ 1. Arid deserts with cactus
 - ☐ 2. Dense tropical vegetation
 - ☒ 3. Cold climate with coniferous forests
 - ☐ 4. Flood-prone swamp areas

Q.17 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. 1998
 - ☐ 4. 2013

Q.18 Which of the following options best defines 'Sustainable Development'?

- Ans**
- ☒ 1. Development that meets present needs without compromising future generations
 - ☐ 2. Maximising profits from natural resources
 - ☐ 3. Industrialisation without any restrictions
 - ☐ 4. Using only renewable resources

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. Acquiring advanced radar systems
 - ☐ 2. Enhancing cyber defence capabilities
 - ☒ 3. Safeguarding ports and trade routes
 - ☐ 4. Developing fifth-generation fighter jets

Q.20 The Santhal Revolt of 1855-56 was against which groups along with the British officials?

- Ans**
- ☐ 1. French traders
 - ☐ 2. Afghan invaders
 - ☐ 3. Marathas and Nawabs
 - ☒ 4. Zamindars and moneylenders

Q.21 Where was the 2025 Global Artificial Intelligence Summit & Awards (GAISA) held?

- Ans**
- ☐ 1. Taj Palace, New Delhi
 - ☒ 2. Bharat Mandapam, New Delhi
 - ☐ 3. Pragati Maidan, New Delhi
 - ☐ 4. Bengaluru International Exhibition Centre

Q.22 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. Sheikh Zeeshan
 - ☐ 3. Animesh Kujur
 - ☐ 4. Tushar Chaudhary

Q.23 Which of the following groups is provided support under the One-Stop Centre (OSC) scheme?

- Ans**
- ☒ 1. All women and girls below 18 years of age affected by violence
 - ☐ 2. Only women working in government offices
 - ☐ 3. Only women from a specific caste or religion
 - ☐ 4. Only married women in urban areas

Q.24 Who was awarded the Major Dhyan Chand Khel Ratna Award in 2025 for his leadership in Indian hockey?

- Ans**
- ☐ 1. Rupinder Pal Singh
 - ☒ 2. Harmanpreet Singh
 - ☐ 3. PR Sreejesh
 - ☐ 4. Manpreet Singh

Q.25 Which type of rural settlement is most common in the northeastern states and Northern Plains of India?

- Ans**
- ☐ 1. Hamleted
 - ☒ 2. Clustered
 - ☐ 3. Semi-clustered
 - ☐ 4. Dispersed

Q.26 In angiosperms, which of the following organs represents the male reproductive part of a flower?

- Ans**
- ☐ 1. Sepals
 - ☐ 2. Petals
 - ☐ 3. Gynoecium
 - ☒ 4. Androecium

Q.27 Which Amendment of the Citizenship Act introduced the provision that an illegal migrant cannot acquire citizenship by naturalisation or registration?

- Ans**
- ☐ 1. 1986 Amendment
 - ☒ 2. 2003 Amendment
 - ☐ 3. 2005 Amendment
 - ☐ 4. 2015 Amendment

Q.28 In May 2025, IBM and TCS partnered with Andhra Pradesh to build the "Quantum Valley Tech Park" in _____.

- Ans**
- ☒ 1. Amaravati
 - ☐ 2. Srikakulam
 - ☐ 3. Kakinada
 - ☐ 4. East Godavari

Q.29 Which ISRO mission, in collaboration with JAXA, aims to explore the Moon's polar regions?

- Ans**
- ☐ 1. Chandrayaan-5
 - ☐ 2. Shukrayaan
 - ☐ 3. Chandrayaan-4
 - ☒ 4. Lunar Polar Exploration Mission

Q.30 Which Act first recognised the political and administrative functions of the East India Company in India?

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

Q.31 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. Only wheat and rice were allowed for export.
 - ☐ 4. Agricultural exports were completely banned.

Q.32 What is the correct order of the three-tier Panchayati Raj structure from bottom to top in India?

- Ans**
- ☒ 1. Zila Parishad – Panchayat Samiti – Gram Panchayat
 - ☐ 2. Panchayat Samiti – Gram Panchayat – Zila Parishad
 - ☐ 3. Gram Sabha – Gram Panchayat – Zila Parishad
 - ☐ 4. Gram Panchayat – Panchayat Samiti – Zila Parishad

Q.33 How did the Industrial Revolution alter the British economic interests in India?

- Ans**
- ☐ 1. From plantations to nomadic life
 - ☐ 2. From taxes to feudal rule
 - ☒ 3. From trade to industry and raw material use
 - ☐ 4. From control to cultural ties

Q.34 Which chemical process results in the formation of plaque on copper, the rusting of iron and the blackening of silver?

- Ans**
- ☐ 1. Encapsulation
 - ☒ 2. Corrosion
 - ☐ 3. Extrusion
 - ☐ 4. Flocculation

Q.35 In 2025, which state achieved a major infrastructure milestone with the support of Indo-foreign collaboration?

- Ans**
- ☐ 1. Uttar Pradesh
 - ☐ 2. Gujarat
 - ☒ 3. Madhya Pradesh
 - ☐ 4. Rajasthan

Q.36 The 2025 Sheikh Zayed Book Award recognised which author as the Cultural Personality of the Year?

- Ans**
- ☐ 1. Michael Crummey
 - ☐ 2. Nairithi Konduru
 - ☒ 3. Haruki Murakami
 - ☐ 4. Sophie Elmhirst

Q.37 In 2022, which of the following states made headlines for having discovered the oldest Iron Age site in the Indian subcontinent?

- Ans**
- ☐ 1. Meghalaya
 - ☐ 2. Gujarat
 - ☐ 3. Uttar Pradesh
 - ☒ 4. Tamil Nadu

Q.38 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. 2015
 - ☐ 4. 2020

Q.39 The world's first Pandemic Agreement was adopted during which session of the World Health Assembly held in May 2025?

- Ans**
- ☐ 1. 76th World Health Assembly
 - ☒ 2. 78th World Health Assembly
 - ☐ 3. 79th World Health Assembly
 - ☐ 4. 77th World Health Assembly

Q.40 Yakshagana is a folk theatre form from which of the following States of India?

- Ans**
- ☒ 1. Karnataka
 - ☐ 2. Tamil Nadu
 - ☐ 3. Punjab
 - ☐ 4. Gujarat

Q.1 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. 11 hours
 - ☒ 2. 2 hours
 - ☐ 3. 12 hours
 - ☐ 4. 4 hours

Q.2 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. ₹489.60
 - ☐ 2. ₹597.60
 - ☒ 3. ₹550.80
 - ☐ 4. ₹468

Q.3 Simplify: $(1 + \cot^2 A) + \left(1 + \frac{1}{\cot^2 A}\right)$

- Ans**
- ☐ 1. $\tan^2 A$
 - ☐ 2. $\cot^2 A$
 - ☒ 3. $\operatorname{cosec}^2 A \sec^2 A$
 - ☐ 4. $\sin^2 A \cos^2 A$

Q.4 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. decrease by ₹2,263
 - ☐ 4. increase by ₹2,273

Q.5 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.6 Find the value of $83^{-2} \div 83^7 \times 83^{-10}$.

- Ans**
- ☐ 1. 83^{-20}
 - ☐ 2. 83^{-14}
 - ☐ 3. 83^{-16}
 - ☒ 4. 83^{-19}

Q.7 Anil bought some pens at the rate of ₹150 a dozen. He sold them for ₹45 each. His profit percentage is ____%.

- Ans**
- ☒ 1. 260
 - ☐ 2. 264
 - ☐ 3. 258
 - ☐ 4. 262

Q.8 A number, when increased by 60%, gives 3600. The number is:

- Ans**
- ☐ 1. 4500
 - ☒ 2. 2250
 - ☐ 3. 1125
 - ☐ 4. 6750

Q.9 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.10 Find the perimeter of a semicircle with a radius of 7 cm. (Use $\pi = \frac{22}{7}$)

- Ans**
- ☒ 1. 36 cm
 - ☐ 2. 22 cm
 - ☐ 3. 28 cm
 - ☐ 4. 25 cm

Q.11 What sum of money (in ₹) will amount to ₹2,400 at 5% per annum simple interest in 4 years?

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

Q.12 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. 54°
 - ☐ 2. 46°
 - ☐ 3. 58°
 - ☒ 4. 50°

Q.13 The product of two consecutive positive natural numbers is 930. The greater of the two numbers is:

- Ans**
- ☐ 1. 33
 - ☒ 2. 31
 - ☐ 3. 29
 - ☐ 4. 32

Q.14 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. $\frac{38}{3}$
 - ☐ 2. $\frac{44}{2}$
 - ☐ 3. $\frac{49}{4}$
 - ☒ 4. $\frac{45}{2}$

Q.15 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. 35 km/hr
 - ☒ 3. 34 km/hr
 - ☐ 4. 39 km/hr

Q.16 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. ₹1,836
 - ☐ 2. ₹2,022
 - ☐ 3. ₹1,966
 - ☒ 4. ₹1,916

Q.17 Find the mean proportional between 22 and 88.

- Ans**
- ☐ 1. 46
 - ☐ 2. 47
 - ☐ 3. 41
 - ☒ 4. 44

Q.18 The average of first 165 even numbers is

- Ans**
- ☐ 1. 165.5
 - ☐ 2. 166.5
 - ☒ 3. 166
 - ☐ 4. 167

Q.19 The number of prime numbers lying between 488 and 494, both included, is:

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

Q.20 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. ₹336
 - ✗ 2. ₹327
 - ✗ 3. ₹312
 - ✗ 4. ₹318

Q.21 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. 5,088
 - ✗ 4. 5,021

Q.22 Find the surface area of a sphere whose diameter is equal to 54 cm.

- Ans**
- ✗ 1. $2386\pi \text{ cm}^2$
 - ✗ 2. $3651\pi \text{ cm}^2$
 - ✓ 3. $2916\pi \text{ cm}^2$
 - ✗ 4. $3865\pi \text{ cm}^2$

Q.23 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. ₹57,626
 - ✓ 3. ₹57,600
 - ✗ 4. ₹57,692

Q.24 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. $10\frac{316}{719} \text{ hours}$
 - ✗ 2. $13\frac{316}{719} \text{ hours}$
 - ✗ 3. $11\frac{316}{719} \text{ hours}$
 - ✓ 4. $4\frac{316}{719} \text{ hours}$

Q.25 Which of the following numbers divides 934725?

- Ans**
- ✗ 1. 10
 - ✗ 2. 2
 - ✓ 3. 3
 - ✗ 4. 6

Q.26 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. 21
 - ☐ 2. 172
 - ☐ 3. 181
 - ☒ 4. 99

Q.27 The value of $\sqrt{121} + \sqrt{0.0196} - \sqrt{8.41}$ is _____.

- Ans**
- ☐ 1. 6.03
 - ☒ 2. 8.24
 - ☐ 3. 8.55
 - ☐ 4. 15.54

Q.28 What smallest number should be added to 71079 so that the sum is completely divisible by 23?

- Ans**
- ☐ 1. 15
 - ☐ 2. 9
 - ☐ 3. 13
 - ☒ 4. 14

Q.29 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. 3,201
 - ☒ 2. 9,603
 - ☐ 3. 5,335
 - ☐ 4. 7,469

Q.30 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. 50
 - ☐ 2. 49
 - ☐ 3. 51
 - ☐ 4. 48

Section : General Intelligence and Reasoning

Q.1 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. 29
 - ☐ 3. 27
 - ☒ 4. 30

Q.2 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. SRV
 - ☐ 2. VWZ
 - ☒ 3. VPS
 - ☐ 4. PDM

Q.3 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. 8
☐ 2. 3
☐ 3. 1
☐ 4. 4

Q.4 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. OCR : PDS
☐ 2. TQH : WSI
☐ 3. SBL : TEM
☒ 4. JUF : KWI

Q.5 What should come in place of the question mark (?) in the given series?

94 ? 118 142 174 214

- Ans** ☐ 1. 106
☐ 2. 112
☐ 3. 108
☒ 4. 102

Q.6 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. One
☐ 3. Two
☒ 4. Three

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 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. (45, 2031, 2)
☐ 2. (4, 22, 2)
☐ 3. (27, 744, 11)
☒ 4. (50, 2514, 15)

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.

POST - OPST - PSTO
LITE - ILTE - LTEI

- Ans**
- ☒ 1. HOST - OHST - OSTH
 - ☒ 2. VAIN - VIAN - NIAV
 - ☒ 3. GANY - AGNY - GNYA
 - ☒ 4. MIND - IMND - DINM

Q.9 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 B 6 C 8 D 42 A 2
 - ☒ 2. 45 D 6 B 8 C 42 A 2
 - ☒ 3. 45 A 6 B 8 D 42 C 2
 - ☒ 4. 45 C 6 A 8 B 42 A 2

Q.10 What should come in place of the question mark (?) in the given series?

9 13 21 33 49 ?

- Ans**
- ☒ 1. 69
 - ☒ 2. 70
 - ☒ 3. 67
 - ☒ 4. 75

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 Steel are Nickel.

Some Nickel are Chromium.

Conclusions:

I: Some Steel are Chromium.

II: No Chromium are Steel.

- 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.12 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. 6 km towards the east
 - ☒ 3. 8 km towards the north
 - ☒ 4. 5 km towards the east

Q.13 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. XOL 53
 - ☐ 4. ZEL 51

Q.14 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. 11
 - ☐ 2. 10
 - ☐ 3. 13
 - ☐ 4. 12

Q.15 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. 6
 - ☐ 2. 7
 - ☐ 3. 8
 - ☒ 4. 9

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 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 II follows
 - ☐ 2. Only Conclusion I follows
 - ☐ 3. Neither Conclusion I nor II follows
 - ☒ 4. Both Conclusions I and II follow

Q.17 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. 21
 - ☐ 2. 15
 - ☒ 3. 31
 - ☐ 4. 26

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. ORK
 - ☐ 2. RUO
 - ☐ 3. LOI
 - ☐ 4. ILF

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

750 755 745 750 740 745 735 ?

- Ans**
- ☐ 1. 750
 - ☐ 2. 745
 - ☐ 3. 735
 - ☒ 4. 740

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) 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. Three
 - ☐ 2. None
 - ☐ 3. One
 - ☒ 4. Two

Q.21 If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$36 + 48 \times 4 \div 5 - 3 = ?$

- Ans**
- ☐ 1. 47
 - ☐ 2. 43
 - ☒ 3. 39
 - ☐ 4. 52

Q.22 Samar ranked 39th from the top and 34th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 71
 - ☒ 2. 72
 - ☐ 3. 73
 - ☐ 4. 74

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. QM-RO
 - ☒ 2. TP-US
 - ☐ 3. KG-LI
 - ☐ 4. NJ-OL

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. KO-FI
 - ☐ 2. RV-MP
 - ☐ 3. NR-IL
 - ☒ 4. IM-DH

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.

LUNG - UNLG - GNUL
FERN - ERFN - NREF

- Ans**
- ☐ 1. BAKE - AKBE - AKEB
 - ☐ 2. CUTS - UCTS - SUTC
 - ☐ 3. SWAP - SAWP - PAWS
 - ☒ 4. COIR - OICR - RIOC

Q.26 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. Y
 - ☐ 2. W
 - ☒ 3. R
 - ☐ 4. Q

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' 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 sister
 - ☐ 3. Sister
 - ☒ 4. Mother's mother

Q.28 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. Leena
 - ☒ 3. Teena
 - ☐ 4. Meera

Q.29 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. 3 km to east
 - ☒ 3. 2 km to west
 - ☐ 4. 2 km to east

Q.30 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. 4
 - ☐ 2. 3
 - ☐ 3. 6
 - ☒ 4. 1



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 Center Name	TCS Gito Bitan
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Colonial policies led to the commercialisation of agriculture. Which of the following crops was encouraged for export during British rule?

- Ans ☒ 1. Indigo
☐ 2. Maize
☐ 3. Pulses
☐ 4. Barley

Q.2 Which of the following events is known as India's biggest multi-sport national competition?

- Ans ☐ 1. Indian Premier League
☒ 2. National Games
☐ 3. Pro Kabaddi League
☐ 4. Khelo India Youth Games

Q.3 Which of the following pollutants is/are primarily responsible for causing acid rain?

- Ans ☐ 1. Carbon monoxide
☐ 2. Ozone
☒ 3. Sulphur dioxide and nitrogen oxides
☐ 4. Methane

Q.4 Chilika Lake and Pulicat Lake are located in which of the following?

- Ans ☐ 1. Konkan Coast
☐ 2. West Coast of India
☒ 3. East Coast of India
☐ 4. Malabar Coast

Q.5 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.6 During 1950–1990, India mainly exported which type of goods?

- Ans**
- ☐ 1. Automobiles
 - ☐ 2. Crude oil
 - ☒ 3. Primary products
 - ☐ 4. Capital goods

Q.7 During the Chola rule, which of the following was the land donated to Jaina institutions?

- Ans**
- ☐ 1. Shalabhoga
 - ☐ 2. Tirunamattukkani
 - ☐ 3. Vellanvagai
 - ☒ 4. Pallichchhandam

Q.8 Where was the bilateral naval exercise SLINEX 24 conducted between India and Sri Lanka in December 2024?

- Ans**
- ☐ 1. Kochi
 - ☐ 2. Chennai
 - ☒ 3. Visakhapatnam
 - ☐ 4. Colombo

Q.9 What was the capital of Awadh when it was established in 1722?

- Ans**
- ☐ 1. Bareilly
 - ☐ 2. Gorakhpur
 - ☐ 3. Fatehpur
 - ☒ 4. Faizabad

Q.10 Why does a diverse society need a constitution?

- Ans**
- ☐ 1. To impose religious uniformity
 - ☒ 2. To provide basic rules for coordination and assurance
 - ☐ 3. To eliminate all differences
 - ☐ 4. To allow rulers to dominate others

Q.11 Which of the following agencies collaborated on India's first Quantum Key Distribution over a Multi-Core Fibre in 2025?

- Ans**
- ☐ 1. DRDO & IIT-B
 - ☐ 2. CSIR & ISRO
 - ☐ 3. NIC & BEL
 - ☒ 4. C-DOT & Sterlite Technologies Ltd.

Q.12 Article 371A of the Indian Constitution grants special provisions for the state of _____.

- Ans**
- ☒ 1. Nagaland
 - ☐ 2. Rajasthan
 - ☐ 3. Kerala
 - ☐ 4. Punjab

Q.13 Which Indian State/Union Territory inaugurated modern sports facilities, including chess centres and a snooker hall, in 2025?

- Ans**
- ☒ 1. Chandigarh
 - ☐ 2. Punjab
 - ☐ 3. Maharashtra
 - ☐ 4. Andaman and Nicobar

Q.14 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.15 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.16 The famous slogan "Swaraj is my birthright and I shall have it " was given by _____.

- Ans**
- ☒ 1. Bal Gangadhar Tilak
 - ☐ 2. Subhas Chandra Bose
 - ☐ 3. Mahatma Gandhi
 - ☐ 4. Dadabhai Naoroji

Q.17 Which Indian athlete set a new national record in the 200m sprint at the 2025 Asian Athletics Championships?

- Ans**
- ☐ 1. Amiya Mallick
 - ☐ 2. Amlan Borgohain
 - ☐ 3. Gurindervir Singh
 - ☒ 4. Animesh Kujur

Q.18 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. VS Anupriya
 - ☐ 2. Anuragh G
 - ☒ 3. Nishchay
 - ☐ 4. Vidhi

Q.19 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 against Exploitation under Article 23
 - ☐ 4. Right to Equality under Article 14

Q.20 Which leader founded the Servants of India Society to train Indians for national service and political awareness?

- Ans**
- ☒ 1. Gopal Krishna Gokhale
 - ☐ 2. BR Ambedkar
 - ☐ 3. Motilal Nehru
 - ☐ 4. Bal Gangadhar Tilak

Q.21 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. Anglo-Indian Reservation
 - ☐ 3. OBC Reservation
 - ☐ 4. SC/ST Reservation

Q.22 Which of the following traditional folk theatre forms is famous in Maharashtra?

- Ans**
- ☒ 1. Tamasha
 - ☐ 2. Nautanki
 - ☐ 3. Bhavai
 - ☐ 4. Yakshagana

Q.23 Which organelle is responsible for photosynthesis in plants?

- Ans**
- ☐ 1. Mitochondria
 - ☒ 2. Chloroplast
 - ☐ 3. Leucoplast
 - ☐ 4. Chromoplast

Q.24 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. Courts must report cash transactions over ₹2 lakh to the Income Tax Department.
 - ☐ 4. FIRs can only be filed for criminal offenses, not civil disputes.

Q.25 Which of the following indicators is NOT directly included in the calculation of the Human Development Index (HDI)?

- Ans**
- ☒ 1. Infant mortality rate
 - ☐ 2. Life expectancy at birth
 - ☐ 3. Mean years of schooling
 - ☐ 4. Gross National Income per capita

Q.26 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 11
 - ☐ 4. Article 12

Q.27 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 356 (President's Rule in states)
 - ☐ 2. Article 14 (equality before law)
 - ☐ 3. Article 368 (the Amendment procedure itself)
 - ☒ 4. Article 2 (Parliament may by law admit new states)

Q.28 The neighbouring countries Peru and Chile are located in which continent?

- Ans**
- ☒ 1. South America
 - ☐ 2. Europe
 - ☐ 3. Asia
 - ☐ 4. Africa

Q.29 Which of the following sectors has been classified as infrastructure by the Government of India for improved financing access?

- Ans**
- ☐ 1. Retail
 - ☐ 2. Education
 - ☒ 3. Warehousing
 - ☐ 4. Apparel

Q.30 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. Satellite backhaul
 - ☐ 2. Visible-light communication
 - ☐ 3. Quantum key distribution
 - ☒ 4. Advanced optical communication

Q.31 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. Both, Supreme Court and High Courts can strike down unconstitutional laws.
 - ☐ 3. Judicial review is explicitly mentioned in the Constitution (Article 13).
 - ☐ 4. Courts can review any law only after approval by the Parliament.

Q.32 Which shortcut key opens System Settings quickly in Windows 10/11?

- Ans**
- ☒ 1. Windows + I
 - ☐ 2. Ctrl + Alt + Del
 - ☐ 3. Alt + F4
 - ☐ 4. Windows + D

Q.33 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. 1820
 - ☐ 2. 1835
 - ☐ 3. 1849
 - ☐ 4. 1812

Q.34 Why is canal irrigation more suitable in the northern plains of India?

- Ans**
- ☐ 1. The rivers flow only during monsoon season.
 - ☒ 2. The flat land and perennial rivers support canal networks.
 - ☐ 3. The area suffers from very low annual rainfall.
 - ☐ 4. The surface is uneven and covered with hills.

Q.35 Through which of the following states do the Western Ghats pass?

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

Q.36 PM Modi's review of NTEP in May 2025 urged volunteers called _____ to adopt AI tools for patient follow-up.

- Ans**
- ☐ 1. TB Mitra
 - ☒ 2. Nikshay Mitras
 - ☐ 3. Swasth Sanginis
 - ☐ 4. Arogya Sahayaks

Q.37 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.38 What happens when you double-click an icon on the desktop?

- Ans**
- ☐ 1. It minimizes the window.
 - ☐ 2. It goes to the Taskbar.
 - ☐ 3. It gets deleted.
 - ☒ 4. It opens the application or file.

Q.39 Which book written in Kannada received the 2025 International Booker Prize?

- Ans**
- ☐ 1. The Girl with the Seven Lives
 - ☒ 2. Heart Lamp
 - ☐ 3. Diotima
 - ☐ 4. Cascades

Q.40 Which acid and its salts are widely used as food preservatives to prevent the growth of mould, yeast and fungi?

- Ans**
- ☐ 1. Malic acid
 - ☐ 2. Perchloric acid
 - ☐ 3. Boric Acid
 - ☒ 4. Sorbic acid

Section : Mathematics

Q.1

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.2

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. 884
 - ☐ 2. 924
 - ☐ 3. 920
 - ☒ 4. 900

Q.3 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. 195 : 114
 - ☐ 2. 199 : 124
 - ☐ 3. 205 : 116
 - ☒ 4. 200 : 119

Q.4 Simplify:
 $\sec\theta (1 + \sin\theta)(\sec\theta - \tan\theta)$

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

Q.5 The sum of two numbers is 66 and their L.C.M. is 400. What are the two numbers?

- Ans**
- ☐ 1. 9, 57
 - ☐ 2. 14, 52
 - ☐ 3. 21, 45
 - ☒ 4. 16, 50

Q.6 The average of first 164 even numbers is

- Ans**
- ☐ 1. 164.5
 - ☐ 2. 166
 - ☒ 3. 165
 - ☐ 4. 165.5

Q.7 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. 32 years
 - ☐ 4. 27 years

Q.8 A number, when increased by 60%, gives 3640. The number is:

- Ans**
- ☐ 1. 6825
 - ☐ 2. 4550
 - ☐ 3. 1137.5
 - ☒ 4. 2275

Q.9 Which of the following numbers divides 74,75,79,723?

- Ans**
- ☐ 1. 9
 - ☐ 2. 13
 - ☐ 3. 8
 - ☒ 4. 11

Q.10 The diameter of a sphere is 12 cm. Find its volume.

- Ans**
- ☒ 1. $288\pi \text{ cm}^3$
 - ☐ 2. $144\pi \text{ cm}^3$
 - ☐ 3. $192\pi \text{ cm}^3$
 - ☐ 4. $576\pi \text{ cm}^3$

Q.11 Find the value of $[960 \div \{28 + 5 \times (7 - 3)\}]$.

- Ans
- ☐ 1. 29
 - ☒ 2. 20
 - ☐ 3. 15
 - ☐ 4. 23

Q.12 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. 10,400
 - ☐ 2. 10,398
 - ☐ 3. 10,403
 - ☐ 4. 10,399

Q.13 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. 60%
 - ☐ 3. 61%
 - ☐ 4. 63%

Q.14 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. 12
 - ☐ 3. 23
 - ☒ 4. 18

Q.15 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. $M = N$
 - ☒ 2. $M - N = -5$
 - ☐ 3. $M - N = 1$
 - ☐ 4. $M + N = 5$

Q.16 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. (iii)
 - ☐ 2. (ii)
 - ☐ 3. (i)
 - ☒ 4. (iv)

Q.17 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. 816
 - ☒ 2. 800
 - ☐ 3. 888
 - ☐ 4. 811

Q.18 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. 1,62,581
 - ☐ 3. 1,62,566
 - ☐ 4. 1,62,673

Q.19 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. ₹7,820.12
 - ☒ 2. ₹5,744.26
 - ☐ 3. ₹7,948.74
 - ☐ 4. ₹8,008.39

Q.20 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.21 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. 43200
 - ☐ 3. 43245
 - ☐ 4. 43464

Q.22 If the sum of all interior angles of a regular polygon is 28 right angles, then its number of sides is:

- Ans**
- ☒ 1. 16
 - ☐ 2. 13
 - ☐ 3. 14
 - ☐ 4. 15

Q.23 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. $12\frac{120}{149}$ days

☐ 3. $6\frac{120}{149}$ days

☒ 4. $2\frac{120}{149}$ days

Q.24 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. 24

☐ 2. 27

☐ 3. 22

☐ 4. 18

Q.25 The LCM of the numbers 8.6 and 0.12 is:

Ans

☐ 1. 2.58

☒ 2. 25.8

☐ 3. 258

☐ 4. 0.258

Q.26 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. 11

☐ 2. 10

☐ 3. 12

☐ 4. 14

Q.27 Pipe P can fill $\frac{5}{6}$ part of a tank in 30 hours, and pipe Q can fill $\frac{3}{4}$ part

Both P and Q were kept open for 2 hours, then both were closed. Pipe R emptied the water in the tank in 4 hours. Pipes P, Q and R together

◀ ▶

Ans

☐ 1. 54 hours

☐ 2. 44 hours

☐ 3. 48 hours

☒ 4. 36 hours

Q.28 Evaluate: $(-9) - (-60) \div (-12) + (-2) \times 9$

Ans

☒ 1. -32

☐ 2. -34

☐ 3. -35

☐ 4. -31

Q.29 ₹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. ₹11,919
 - ☐ 2. ₹12,099
 - ☒ 3. ₹11,928
 - ☐ 4. ₹11,868

Q.30 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. 8
 - ☐ 2. 17
 - ☒ 3. 13
 - ☐ 4. 10

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) 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. More than two
 - ☐ 2. Two
 - ☒ 3. One
 - ☐ 4. None

Q.2 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. One
 - ☐ 2. Two
 - ☒ 3. Three
 - ☐ 4. Zero

Q.3 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. 2nd
 - ☐ 2. 4th
 - ☐ 3. 3rd
 - ☒ 4. 1st

Q.4 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
 - ☒ 2. North-west
 - ☐ 3. South
 - ☐ 4. West

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. XTVV
 - ☐ 3. XUVV
 - ☐ 4. XVVE

Q.6 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. 2
 - ☐ 2. 9
 - ☒ 3. 1
 - ☐ 4. 7

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. UWS
 - ☐ 2. SUP
 - ☐ 3. MOJ
 - ☐ 4. PRM

Q.8 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. OFA 18
 - ☒ 3. PGB 20
 - ☐ 4. PFA 18

Q.9 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. UEGU
 - ☐ 2. UIOP
 - ☐ 3. UGEU
 - ☐ 4. PPOI

- 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 magnets are rocks.
All rocks are soils.

Conclusions:

- (I) Some soils are rocks.
(II) All magnets are soils.

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

819 829 830 840 841 851 852 ?

- Ans** ☐ 1. 853
☐ 2. 861
☐ 3. 854
☒ 4. 862

- Q.12** 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. 5 km to the east
☒ 2. 4 km to the east
☐ 3. 5 km to the west
☐ 4. 4 km to the west

- 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. IMSZ
☐ 2. PTZG
☐ 3. VZFM
☒ 4. SWCI

- Q.14** What should come in place of the question mark (?) in the given series?
21 23 33 51 77 ?

- Ans** ☐ 1. 140
☐ 2. 131
☒ 3. 111
☐ 4. 112

Q.15 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 brother's daughter
 - ☐ 3. Mother's sister's daughter
 - ☐ 4. Mother's brother's son

Q.16 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

Q.17 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. One
 - ☐ 2. Zero
 - ☒ 3. Three
 - ☐ 4. Two

Q.18 What should come in place of ? in the given series based on the English alphabetical order?

ELY FNX GPW HRV ?

- Ans**
- ☒ 1. ITU
 - ☐ 2. IUV
 - ☐ 3. HGU
 - ☐ 4. HYV

Q.19 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. HXAYN
 - ☐ 2. GWZYM
 - ☐ 3. FVYWL
 - ☒ 4. GWZXM

Q.20 What should come in place of the question mark (?) in the given series?

73 76 81 90 107 ?

- Ans**
- ☐ 1. 123
 - ☒ 2. 140
 - ☐ 3. 155
 - ☐ 4. 139

Q.21 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. 11, 130

☒ 2. 13, 170

☒ 3. 15, 235

☒ 4. 16, 246

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.

(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. Two

☒ 2. Three

☒ 3. One

☒ 4. Four

Q.23 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. Three

☒ 2. None

☒ 3. Two

☒ 4. One

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. Three

☒ 2. Six

☒ 3. Five

☒ 4. Four

Q.25 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. Both conclusions (I) and (II) follow.
 - ☐ 2. Only conclusion (I) follows.
 - ☒ 3. Neither conclusion (I) nor (II) follows.
 - ☐ 4. Only conclusion (II) follows.

Q.26 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. 12
 - ☒ 3. 8
 - ☐ 4. 10

Q.27 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. IDY
 - ☒ 4. AVO

Q.28 In a certain code language, 'TEMP' is coded as '3129' and 'ITEM' is coded as '1396'. What is the code for 'T' in the given code language?

- Ans**
- ☐ 1. 3
 - ☐ 2. 1
 - ☒ 3. 6
 - ☐ 4. 9

Q.29 211 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. 110
 - ☒ 2. 111
 - ☐ 3. 112
 - ☐ 4. 109

Q.30 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. 60

☐ 2. 59

☐ 3. 62

☒ 4. 61



सत्यमेव जयते

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 Center Name	Webinfotron Technologies Pvt. Ltd.
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 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. 6th
 - ☐ 4. 3rd

Q.2 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. 3,000m steeplechase
 - ☐ 3. 5,000m race
 - ☒ 4. 10,000m race

Q.3 As of December 2024, what is the age eligibility of player to avail facility of Retired Sportsperson Empowerment Training (RESET) Programme?

- Ans
- ☒ 1. 20-50 years
 - ☐ 2. 20-45 years
 - ☐ 3. 18-40 years
 - ☐ 4. 25-55 years

Q.4 The Koyna Project is constructed on a tributary of the River Krishna in which state?

- Ans
- ☐ 1. Karnataka
 - ☒ 2. Maharashtra
 - ☐ 3. Andhra Pradesh
 - ☐ 4. Tamil Nadu

Q.5 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. Bihar, Odisha and West Bengal
 - ☐ 2. Maharashtra, Uttar Pradesh and Assam
 - ☒ 3. Punjab, Andhra Pradesh and Tamil Nadu
 - ☐ 4. Rajasthan, Gujarat and Kerala

Q.6 Which part of the Indian Constitution deals with special provisions for Scheduled Castes, Scheduled Tribes, and other backwards classes?

- Ans**
- ☐ 1. Part IX
 - ☐ 2. Part III
 - ☒ 3. Part XVI
 - ☐ 4. Part IV

Q.7 During the Later Vedic period, which of the following animals was specifically mentioned as useful for ploughing swampy land?

- Ans**
- ☒ 1. Buffalo
 - ☐ 2. Elephant
 - ☐ 3. Horse
 - ☐ 4. Cow

Q.8 Which of the following is the correct method to rename a file or folder using the left mouse button?

- Ans**
- ☒ 1. Select the file → Press F2 or click once on the name → Type new name → Press Enter
 - ☐ 2. Select the file → Press F1 → Type new name → Press Enter
 - ☐ 3. Click and drag the file → Rename it in the pop-up window
 - ☐ 4. Double-click the file name → Type the new name → Press Esc

Q.9 Which Fundamental Right was removed from the Indian Constitution by the 44th Amendment Act, 1978?

- Ans**
- ☐ 1. Right to Education
 - ☐ 2. Right to Equality
 - ☒ 3. Right to Property
 - ☐ 4. Right to Freedom

Q.10 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. Four years of legal practice experience
 - ☐ 2. One year of legal practice experience
 - ☒ 3. Three years of legal practice experience
 - ☐ 4. Two years of legal practice experience

Q.11 The Pochampad Dam is also known as _____.

- Ans**
- ☐ 1. Nagarjuna Sagar Project
 - ☒ 2. Sri Rama Sagar Project
 - ☐ 3. Bhakra Nangal Project
 - ☐ 4. Hirakud Project

Q.12 The first human gene therapy experiment, which began in September 1990, used a retroviral vector against which deficiency?

- Ans**
- ☐ 1. Mitochondrial encephalopathy
 - ☐ 2. X-Linked Adrenoleukodystrophy
 - ☐ 3. 3-Methylglutaconic Aciduria
 - ☒ 4. Adenosine deaminase

Q.13 Which of the following statements about the Right to Property in India is correct?

- Ans**
- ☐ 1. It is a fundamental right under Article 32 of the Constitution.
 - ☒ 2. It is no longer a fundamental right.
 - ☐ 3. It is a fundamental right under Article 31 (now omitted).
 - ☐ 4. It was completely abolished by the Forty-Second Amendment (1976).

Q.14 At what age did Gautama Buddha attain Enlightenment (Nirvana) at Bodh Gaya in Bihar?

- Ans**
- ☒ 1. 35 years
 - ☐ 2. 29 years
 - ☐ 3. 42 years
 - ☐ 4. 49 years

Q.15 Which of the following correctly differentiates between RAM and ROM?

- Ans**
- ☐ 1. ROM is used to store data temporarily during program execution
 - ☒ 2. RAM loses its content when the computer is turned off, while ROM retains its data
 - ☐ 3. ROM performs all logical operations, while RAM controls input devices
 - ☐ 4. RAM is permanent memory while ROM is volatile

Q.16 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.17 Which of the following sectors contributed significantly to India's GDP growth after the 1991 reforms?

- Ans**
- ☐ 1. Cottage industries
 - ☐ 2. Agriculture
 - ☒ 3. Services sector
 - ☐ 4. Public sector enterprises

Q.18 Which of the following rivers flows through a small part of the Great Indian Desert?

- Ans**
- ☐ 1. Mahanadi
 - ☐ 2. Ravi
 - ☒ 3. Luni
 - ☐ 4. Satluj

Q.19 The ____ developed 32-bit microprocessors for space applications named VIKRAM3201 and KALPANA3201.

- Ans**
- ☐ 1. Japan Aerospace Exploration Agency
 - ☒ 2. Indian Space Research Organization
 - ☐ 3. National Aeronautics and Space Administration
 - ☐ 4. European Space Agency

Q.20 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. 40
 - ✗ 2. 65
 - ✗ 3. 72
 - ✗ 4. 56

Q.21 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. Lee Cheuk Yiu
 - ✗ 3. Lakshay Sen
 - ✗ 4. Chou Tien Chen

Q.22 Which of the following constitutional mechanisms ensures political representation for Scheduled Castes and Scheduled Tribes in the Indian Parliament?

- Ans**
- ✓ 1. Article 330 and 332
 - ✗ 2. Article 341 and 342
 - ✗ 3. Article 15 and 16
 - ✗ 4. Article 338 and 339

Q.23 Which theory suggests that planets were formed out of a cloud of material surrounding a young Sun?

- Ans**
- ✗ 1. Big Bang Theory
 - ✓ 2. Nebular Hypothesis
 - ✗ 3. Binary Star Hypothesis
 - ✗ 4. Collision Theory

Q.24 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.25 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. Kangchendzonga Biosphere Reserve
 - ✓ 2. Nilgiri Biosphere Reserve
 - ✗ 3. Nokrek Biosphere Reserve
 - ✗ 4. Agasthyamalai Biosphere Reserve

Q.26 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. National Biopharma Mission
 - ✗ 2. Biotechnology Ignition Grant
 - ✗ 3. PACE
 - ✗ 4. Atal Jai Anusandhan

Q.27 What is the full name of MNREGA in the Indian policy context?

- Ans**
- ☐ 1. Ministry for National Rural Employment Growth Agenda
 - ☐ 2. Modern National Rural Employment Growth Act
 - ☒ 3. Mahatma Gandhi National Rural Employment Guarantee Act
 - ☐ 4. Mainstream National Rural Education Guarantee Act

Q.28 Who is the Governor of the Reserve Bank of India as of May 2025?

- Ans**
- ☐ 1. Urjit Patel
 - ☐ 2. Shaktikanta Das
 - ☐ 3. Raghuram Rajan
 - ☒ 4. Sanjay Malhotra

Q.29 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. India
 - ☐ 4. South Africa

Q.30 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. Digital trade and e-commerce
 - ☐ 2. Agricultural commodities
 - ☐ 3. Medicinal products
 - ☐ 4. Legal services

Q.31 In which year was the 2030 Agenda for Sustainable Development adopted by the United Nations Member States?

- Ans**
- ☒ 1. 2015
 - ☐ 2. 2017
 - ☐ 3. 2016
 - ☐ 4. 2014

Q.32 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. 1854
 - ☐ 3. 1855
 - ☒ 4. 1857

Q.33 How many facial bones are there in the face skeleton, each with its own anatomical landmarks and stage of development?

- Ans**
- ☒ 1. 14
 - ☐ 2. 11
 - ☐ 3. 21
 - ☐ 4. 18

Q.34 In 2025, who launched 'Srjanam', India's first indigenous automated bio medical waste treatment plant?

- Ans**
- ☒ 1. Dr. Jitendra Singh
 - ☐ 2. Manohar Lal
 - ☐ 3. Nitin Jairam Gadkari
 - ☐ 4. HD Kumaraswamy

Q.35 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. 2022
 - ☒ 2. 2017
 - ☐ 3. 2014
 - ☐ 4. 2024

Q.36 In which of the following years did Vasco da Gama land in Calicut on the Malabar Coast for the second time?

- Ans**
- ☐ 1. 1505
 - ☒ 2. 1502
 - ☐ 3. 1509
 - ☐ 4. 1511

Q.37 Andhra Pradesh was formed in 1953 by separating Telugu-speaking areas from which of the following states?

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

Q.38 What was the theme for National Safety Day, observed on 4 March 2025?

- Ans**
- ☒ 1. Safety & Well-being Crucial for Viksit Bharat
 - ☐ 2. Safety First: Every Day
 - ☐ 3. Safety Awareness: A National Priority
 - ☐ 4. Secure India: Secure Future

Q.39 In which of the following years was Delhi Metro Rail Corporation established?

- Ans**
- ☐ 1. 1997
 - ☐ 2. 1999
 - ☐ 3. 1992
 - ☒ 4. 1995

Q.40 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. Synthetic aperture radars
 - ☐ 2. Passive electronically scanned array radars
 - ☐ 3. Over-the-horizon radars
 - ☒ 4. High-Power Radars (HPR)

Section : Mathematics

Q.1 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. ₹514
 - ☐ 2. ₹513
 - ☐ 3. ₹517
 - ☐ 4. ₹516

Q.2 If the third proportional of 9 and 51 be x, then what is the value of x?

- Ans**
- ☒ 1. 289
 - ☐ 2. 291
 - ☐ 3. 288
 - ☐ 4. 287

Q.3 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. 34 hours
 - ☐ 2. 25 hours
 - ☒ 3. 28 hours
 - ☐ 4. 26 hours

Q.4 What is the value of the given expression?

$$\frac{\sin^4 A - \cos^4 A + 1}{1 + \frac{1}{\tan^2 A}}$$

- Ans**
- ☐ 1. $\frac{\sin A \cdot \cos A}{\tan^2 A}$
 - ☒ 2. $2\sin^4 A$
 - ☐ 3. $2\sin^2 A + \tan^2 A$
 - ☐ 4. $2\sin A \cdot \cos A$

Q.5 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. 15
 - ☐ 3. 20
 - ☐ 4. 10

Q.6 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. ₹7,640
 - ☐ 3. ₹6,500
 - ☒ 4. ₹6,900

Q.7 The sum of two numbers is 121 and their L.C.M. is 264. What are the two numbers?

- Ans**
- ☐ 1. 93, 28
 - ☐ 2. 86, 35
 - ☒ 3. 88, 33
 - ☐ 4. 81, 40

Q.8 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. 452.16 cm^2
 - ☐ 2. 282.74 cm^2
 - ☐ 3. 678.24 cm^2
 - ☐ 4. 301.44 cm^2

Q.9 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. 60
 - ☒ 3. 45
 - ☐ 4. 55

Q.10 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. 76800
 - ☐ 3. 76820
 - ☐ 4. 76903

Q.11 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. ₹15,495
 - ☐ 2. ₹15,990
 - ☒ 3. ₹16,000
 - ☐ 4. ₹16,405

Q.12 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. 2,750
 - ☐ 2. 2,900
 - ☐ 3. 2,800
 - ☒ 4. 2,700

Q.13 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. 20
 - ☐ 2. 18
 - ☐ 3. 19
 - ☐ 4. 21

Q.14 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.15 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. $2^9 \times 3^5 \times 5^2 \times 19^2$
 - ☒ 3. $2^8 \times 3^5 \times 5^2 \times 19^2$
 - ☐ 4. $2^8 \times 3^5 \times 5^3 \times 19^2$

Q.16 What smallest number should be added to 74978 so that the sum is completely divisible by 24?

- Ans**
- ☐ 1. 26
 - ☒ 2. 22
 - ☐ 3. 20
 - ☐ 4. 17

Q.17 The value of $8^2 + \sqrt{9^2} - 4\sqrt{25} - 14$ is

- Ans**
- ☐ 1. 48
 - ☐ 2. 49
 - ☐ 3. 45
 - ☒ 4. 39

Q.18 A number, when increased by 80%, gives 2520. The number is:

- Ans**
- ☒ 1. 1400
 - ☐ 2. 4200
 - ☐ 3. 700
 - ☐ 4. 2800

Q.19 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. 340
 - ☐ 2. 460
 - ☒ 3. 360
 - ☐ 4. 410

Q.20 Which of the following numbers divides 2,45,015?

- Ans**
- ☒ 1. 5
 - ☐ 2. 11
 - ☐ 3. 15
 - ☐ 4. 2

Q.21 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. 83%
 - ☐ 2. 81%
 - ☐ 3. 80%
 - ☐ 4. 85%

Q.22 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. 28
☐ 2. 26
☐ 3. 24
☐ 4. 23

Q.23 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. 58.22
☐ 2. 51.83
☒ 3. 59.67
☐ 4. 70.03

Q.24 Pipe P can fill $\frac{5}{7}$ part of a tank in 30 hours, and pipe Q can fill $\frac{4}{7}$ part. Both P and Q were kept open for 7 hours, then both were closed. Pipe R emptied the water in the tank in 9 hours. Pipes P, Q and R together

- Ans ☐ 1. 82 hours
☐ 2. 78 hours
☒ 3. 63 hours
☐ 4. 56 hours

Q.25 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. ₹490
☒ 2. ₹489
☐ 3. ₹487
☐ 4. ₹488

Q.26 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. $5\frac{65}{99}$ hours
☐ 2. $6\frac{65}{99}$ hours
☐ 3. $8\frac{65}{99}$ hours
☐ 4. $7\frac{65}{99}$ hours

Q.27 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. 3,025
☒ 2. 2,730
☐ 3. 2,697
☐ 4. 2,774

Q.28 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. ₹1,654
 - ☒ 2. ₹2,100
 - ☒ 3. ₹1,890
 - ☒ 4. ₹1,918

Q.29 Mahesh bought some pens at the rate of ₹150 a dozen. He sold them for ₹44 each. His profit percentage is ____%.

- Ans**
- ☒ 1. 252
 - ☒ 2. 250
 - ☒ 3. 254
 - ☒ 4. 256

Q.30 Find the value of: $[428 \div \{17 + 8 \times (5 - 7)\}]$.

- Ans**
- ☒ 1. 428
 - ☒ 2. 427
 - ☒ 3. 429
 - ☒ 4. 426

Section : General Intelligence and Reasoning

Q.1 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. 5
 - ☒ 3. 2
 - ☒ 4. 6

Q.2 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. 6 km towards the north
 - ☒ 2. 6 km towards the east
 - ☒ 3. 4 km towards the north
 - ☒ 4. 4 km towards the east

Q.3 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. NQV47
 - ☒ 2. NQU42
 - ☒ 3. NQV56
 - ☒ 4. NQU46

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. 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. Two
 - ☒ 2. Four
 - ☐ 3. Three
 - ☐ 4. One

Q.5 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. I
 - ☐ 4. O

Q.6 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?

$$48 \text{ D } 14 \text{ B } 3 \text{ C } 27 \text{ A } 3 = ?$$

- Ans**
- ☐ 1. 37
 - ☐ 2. 24
 - ☒ 3. 15
 - ☐ 4. 31

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. OUZG
 - ☐ 2. KQVC
 - ☐ 3. RXCJ
 - ☒ 4. NTYE

Q.8 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. 2
 - ☐ 3. 14
 - ☐ 4. 6

Q.9 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 south
 - ☒ 3. 14 km towards north
 - ☐ 4. 16 km towards west

- 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: Some notes are books. All books are tables.

Conclusion (I): Some notes are tables.

Conclusions (II): All tables are books.

- 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** 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. Q
☐ 2. O
☐ 3. L
☒ 4. R

- 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. NG-QL
☒ 2. OH-RN
☐ 3. JC-MH
☐ 4. TM-WR

- Q.13** What should come in place of the question mark (?) in the given series?

3 12 30 57 93 ?

- Ans** ☐ 1. 135
☐ 2. 140
☒ 3. 138
☐ 4. 130

- Q.14** What should come in place of the question mark (?) in the given series?

85 86 88 92 100 ?

- Ans** ☒ 1. 116
☐ 2. 115
☐ 3. 117
☐ 4. 118

- Q.15** 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. None
☒ 2. Three
☐ 3. One
☐ 4. Two

Q.16 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. 52
 - ☐ 3. 56
 - ☐ 4. 50

Q.17 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. 9
 - ☐ 2. 4
 - ☐ 3. 2
 - ☒ 4. 6

Q.18 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. Daughter
 - ☒ 2. Brother's wife
 - ☐ 3. Brother's daughter
 - ☐ 4. Wife

Q.19 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. HALF - FLHA - ALHF
 - ☐ 2. ROSE - RSOE - ESOR
 - ☒ 3. PICK - KCPI - PCIK
 - ☐ 4. FUME - UMFE - UMEF

Q.20 What should come in place of the question mark (?) in the given series?

27 31 40 56 81 ?

- Ans**
- ☐ 1. 121
 - ☐ 2. 118
 - ☐ 3. 120
 - ☒ 4. 117

Q.21 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. L
☒ 2. K
☒ 3. I
☒ 4. R

Q.22 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. REBW
☒ 2. RWYI
☒ 3. REWB
☒ 4. RWBY

Q.23 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. ACED
☒ 2. ADED
☒ 3. ADFD
☒ 4. AEEL

Q.24 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. QEW
☒ 2. QBP
☒ 3. QPB
☒ 4. QWE

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) 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. 5
☒ 2. 6
☒ 3. 4
☒ 4. 3

Q.26 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. mk
☒ 2. pb
☒ 3. lo
☒ 4. jo

Q.27 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. (1, 12, 6)
 - ☒ 2. (44, 155, 20)
 - ☒ 3. (47, 144, 4)
 - ☒ 4. (48, 162, 15)

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 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. Both conclusions (I) and (II) follow.
 - ☒ 4. Only conclusion (I) follows.

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. MQ-HN
 - ☒ 2. SW-NU
 - ☒ 3. JN-EK
 - ☒ 4. PT-KQ

Q.30 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. 103
 - ☒ 2. 107
 - ☒ 3. 105
 - ☒ 4. 104



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 Center Name	iON Digital Zone iDZ Hazaribagh
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 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 Information Act
 - ☐ 2. Sarva Shiksha Abhiyan
 - ☐ 3. Ayushman Bharat Scheme
 - ☒ 4. Right to Education Act

Q.2 Which of the following years saw the foundation of the Home Rule League and its phenomenal success?

- Ans**
- ☐ 1. 1909
 - ☐ 2. 1906
 - ☒ 3. 1916
 - ☐ 4. 1919

Q.3 As per India Justice Report 2025, how many judges does India have per million population?

- Ans**
- ☐ 1. 17
 - ☐ 2. 21
 - ☐ 3. 10
 - ☒ 4. 15

Q.4 What is the preferred unit used in the scientific literature to express the ratio between two sound intensities?

- Ans**
- ☐ 1. Pascal
 - ☒ 2. Decibels
 - ☐ 3. Hertz
 - ☐ 4. Phon

Q.5 Which anniversary of the Meter Convention was celebrated by the Department of Consumer Affairs, Government of India on 20 May 2025?

- Ans**
- ☐ 1. 155th
 - ☐ 2. 125th
 - ☒ 3. 150th
 - ☐ 4. 100th

Q.6 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. Andhra Pradesh, Kerala and Goa
 - ☐ 3. Gujarat, Maharashtra and Kerala
 - ☒ 4. Kerala, Tamil Nadu and Karnataka

Q.7 The western coastal plains are an example of:

- Ans**
- ☐ 1. emergent coast
 - ☐ 2. volcanic coast
 - ☐ 3. tectonic coast
 - ☒ 4. submerged coast

Q.8 The process by which traits are passed from parents to offspring is known as _____.

- Ans**
- ☐ 1. mutation
 - ☒ 2. heredity
 - ☐ 3. hybridisation
 - ☐ 4. linkage

Q.9 Who is responsible for the administration of Union Territories like Chandigarh and Lakshadweep?

- Ans**
- ☐ 1. Elected Chief Ministers of the Union Territories
 - ☐ 2. Prime Minister of India directly
 - ☒ 3. The President of India
 - ☐ 4. Governors of neighbouring states

Q.10 Pick the INCORRECT statement regarding the life of Birsa Munda.

- Ans**
- ☐ 1. He had joined the local missionary school.
 - ☒ 2. Birsa was born in the forests of Madhya Pradesh.
 - ☐ 3. He urged people to destroy the Europeans.
 - ☐ 4. He advised his people to bring back the Golden Age of Mundas.

Q.11 Which artist was recognised as the Global Recording Artist of the Year 2024 by the IFPI?

- Ans**
- ☐ 1. Olivia Rodrigo
 - ☒ 2. Taylor Swift
 - ☐ 3. Billie Eilish
 - ☐ 4. Beyoncé

Q.12 The Himalayan Mountain ranges stretch in a west-east direction from the Indus River to which major Indian river?

- Ans**
- ☐ 1. Yamuna
 - ☐ 2. Godavari
 - ☐ 3. Ganga
 - ☒ 4. Brahmaputra

Q.13 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.14 Which of the following is NOT a Central Armed Police Force?

- Ans**
- ☐ 1. Central Reserve Police Force
 - ☐ 2. Border Security Force
 - ☒ 3. Criminal Investigation Department
 - ☐ 4. Indo-Tibetan Border Police

Q.15 Which crop is primarily associated with plantation agriculture in Kerala?

- Ans**
- ☐ 1. Wheat
 - ☒ 2. Rubber
 - ☐ 3. Cotton
 - ☐ 4. Rice

Q.16 In which year was the Industrial Policy Resolution that gave importance to the public sector adopted?

- Ans**
- ☐ 1. 1947
 - ☐ 2. 1991
 - ☒ 3. 1956
 - ☐ 4. 1951

Q.17 Which city in Assam issued evacuation notices to residents in landslide-prone areas due to continuous rainfall in June 2025?

- Ans**
- ☐ 1. Jorhat
 - ☐ 2. Silchar
 - ☒ 3. Guwahati
 - ☐ 4. Dibrugarh

Q.18 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.19 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. DroneShield
 - ☐ 2. SkyNet
 - ☒ 3. Indrajaa Infra
 - ☐ 4. AeroGuard

Q.20 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. ₹3 lakh
 - ☒ 4. ₹5 lakh

Q.21 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. 2006
 - ☐ 3. 2012
 - ☒ 4. 2014

Q.22 What is the function of the keyboard shortcut Ctrl + Z?

- Ans**
- ☐ 1. Zoom the window
 - ☐ 2. Close the window
 - ☒ 3. Undo the last action
 - ☐ 4. Redo an action

Q.23 Who authored the book 'The Churn' that was released in April 2025?

- Ans**
- ☒ 1. Dr. Vijay Darda
 - ☐ 2. Himanshu Roy
 - ☐ 3. Arvind Kumar
 - ☐ 4. Bandaru Dattatreya

Q.24 Which sector was the dominant contributor to India's GDP immediately after independence in 1947?

- Ans**
- ☐ 1. Services
 - ☐ 2. Industrial
 - ☒ 3. Agriculture
 - ☐ 4. Foreign trade

Q.25 Events of Khelo India Youth Games 2025 were NOT conducted in which of the following cities of Bihar?

- Ans**
- ☐ 1. Rajgir
 - ☐ 2. Gaya
 - ☐ 3. Bhagalpur
 - ☒ 4. Samastipur

Q.26 The exchange of gases at the alveoli and tissues occurs by which process?

- Ans**
- ☐ 1. Osmosis
 - ☐ 2. Decantation
 - ☒ 3. Diffusion
 - ☐ 4. Filtration

Q.27 Which architectural style, introduced by the British, combines Indian traditional elements with Gothic, Victorian and Neo-Classical forms?

- Ans**
- ☐ 1. Victorian Classical
 - ☐ 2. Colonial Neo-Baroque
 - ☒ 3. Indo-Saracenic
 - ☐ 4. Gothic Revival

Q.28 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.29 Which of the following subjects is addressed by the Tenth Schedule of the Indian Constitution?

- Ans**
- ☐ 1. Official languages
 - ☐ 2. Emergency powers and procedures
 - ☒ 3. Provisions related to anti-defection
 - ☐ 4. Panchayati Raj system

Q.30 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.31 Which of the following Bollywood actresses was honoured at the inaugural Global Vanguard Honour, 2025, held in Los Angeles?

- Ans**
- ☐ 1. Deepika Padukone
 - ☒ 2. Priyanka Chopra
 - ☐ 3. Pratibha Ranta
 - ☐ 4. Nitanshi Goel

Q.32 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. Aryabhata
 - ☐ 3. INSAT-1A
 - ☐ 4. Bhaskara

Q.33 During the colonial period in India, the Vernacular Press Act (1878) was introduced by ____.

- Ans**
- ☐ 1. Lord Wellesley
 - ☐ 2. Lord Curzon
 - ☒ 3. Lord Lytton
 - ☐ 4. Lord Ripon

Q.34 Why is air transport less popular for freight movement in India?

- Ans**
- ☐ 1. It is expensive and ideal only for light, high-value goods.
 - ☒ 2. It requires minimal infrastructure for operation.
 - ☐ 3. It is widely available in rural and remote villages.
 - ☐ 4. It is slower and less efficient than water transport.

Q.35 When and where were the flight trials of the ULPGM-V3 missile conducted?

- Ans**
- ☐ 1. Odisha (Chandipur), 26 July 2025
 - ☐ 2. Maharashtra (Pune), 27 July 2025
 - ☐ 3. Rajasthan (Pokhran), 24 July 2025
 - ☒ 4. Andhra Pradesh (Kurnool), 25 July 2025

Q.36 Which military division had become rare in warfare during the Gupta period despite being part of the army in texts?

- Ans**
- ☐ 1. Cavalry
 - ☒ 2. Chariot
 - ☐ 3. Infantry
 - ☐ 4. Elephant

Q.37 India launched chip-enabled biometric e-passports in _____ cities as of April 2025.

- Ans**
- ☐ 1. 11
 - ☐ 2. 15
 - ☒ 3. 13
 - ☐ 4. 9

Q.38 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. 80th
 - ☐ 4. 83rd

Q.39 Alauddin Khilji introduced the Dagah and Huliya systems to control the army. What was Huliya associated with?

- Ans**
- ☐ 1. Horse branding
 - ☒ 2. Soldier's description
 - ☐ 3. Soldier's salary
 - ☐ 4. Land revenue

Q.40 When was the National Human Rights Commission (NHRC) established to investigate cases of human rights violations in India?

- Ans**
- ☐ 1. 20 February 1996
 - ☒ 2. 12 October 1993
 - ☐ 3. 10 December 1994
 - ☐ 4. 15 January 1995

Section : Mathematics

Q.1 By selling an article at $\frac{5}{14}$ of its actual selling price, Hitesh incurs a loss. Then the profit percentage is:



- Ans**
- ☒ 1. 21.8%
 - ☐ 2. 23.7%
 - ☐ 3. 22.5%
 - ☐ 4. 23.1%

Q.2 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. 11:38 AM
 - ☐ 2. 12:18 PM
 - ☐ 3. 11:08 AM
 - ☒ 4. 11:18 AM

Q.3 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. ₹2,465
 - ☒ 2. ₹2,622
 - ☐ 3. ₹2,492
 - ☐ 4. ₹2,594

Q.4 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. 40%
 - ☐ 2. 150%
 - ☒ 3. 140%
 - ☐ 4. 50%

Q.5 By how much is 65% of 75 greater than $\frac{3}{5}$ of 45?

- Ans**
- ☐ 1. 18.75
 - ☒ 2. 21.75
 - ☐ 3. 19.75
 - ☐ 4. 15.75

Q.6 Find the mean proportional of 96 and 54.

- Ans**
- ☐ 1. 69
 - ☐ 2. 75
 - ☒ 3. 72
 - ☐ 4. 71

Q.7 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. ₹27,225
 - ☐ 2. ₹27,630
 - ☐ 3. ₹28,205
 - ☐ 4. ₹28,030

Q.8 Pipe P can fill $\frac{4}{5}$ part of a tank in 12 hours and pipe Q can fill $\frac{2}{7}$ part

Both P and Q were kept open for 5 hours, then both were closed. Pipe R 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.9 The value of $\frac{5}{3} + \left(\frac{1}{1 + \frac{4}{9}} \right) - \frac{2}{5}$ is

- Ans**
- ☐ 1. $\frac{384}{191}$
 - ☐ 2. $\frac{380}{197}$
 - ☐ 3. $\frac{379}{201}$
 - ☒ 4. $\frac{382}{195}$

Q.10 The number of prime numbers between 374 and 381, both included, is:

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

Q.11 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 10 months.

- Ans
- ☐ 1. ₹480
 - ☐ 2. ₹80
 - ☐ 3. ₹60
 - ☒ 4. ₹40

Q.12 The product of two consecutive natural numbers is 110. The greater of the two numbers is:

- Ans
- ☐ 1. 3
 - ☒ 2. 11
 - ☐ 3. 7
 - ☐ 4. 5

Q.13 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. ₹42,661
 - ☐ 2. ₹42,326
 - ☐ 3. ₹42,304
 - ☒ 4. ₹42,500

Q.14 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. 7
 - ☐ 2. 3
 - ☒ 3. 4
 - ☐ 4. 2

Q.15 Simplify: $\frac{(\tan^2 \beta \operatorname{cosec}^2 \beta)}{(1 + \tan^2 \beta)}$

- Ans
- ☐ 1. $\sec \beta$
 - ☐ 2. -1
 - ☒ 3. 1
 - ☐ 4. $\tan \beta$

Q.16 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.17 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. $\frac{735}{37}\%$ profit
 - ☐ 2. 725 % loss
 - ☐ 3. $\frac{725}{37}\%$ profit
 - ☒ 4. $\frac{725}{37}\%$ loss

Q.18 The value of $7^2 + \sqrt{8^2} - 5\sqrt{16} - 14$ is

- Ans**
- ☐ 1. 26
 - ☐ 2. 31
 - ☐ 3. 16
 - ☒ 4. 23

Q.19 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. 50.4 kg
 - ☒ 2. 51.4 kg
 - ☐ 3. 52.4 kg
 - ☐ 4. 53.4 kg

Q.20 The number 716710501 is divisible by which of the following?

- Ans**
- ☐ 1. 20
 - ☒ 2. 13
 - ☐ 3. 19
 - ☐ 4. 16

Q.21 The average of first 163 even numbers is

- Ans**
- ☐ 1. 164.5
 - ☒ 2. 164
 - ☐ 3. 165
 - ☐ 4. 163.5

Q.22 The value of $\sqrt{121} + \sqrt{0.0225} - \sqrt{5.76} =$

- Ans**
- ☒ 1. 8.75
 - ☐ 2. 12.62
 - ☐ 3. 5.35
 - ☐ 4. 13.05

Q.23 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. $9\frac{371}{929}$ hours

☐ 2. $7\frac{371}{929}$ hours

☒ 3. $5\frac{371}{929}$ hours

☐ 4. $4\frac{371}{929}$ hours

Q.24 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. 14,573

☐ 3. 14,565

☐ 4. 14,563

Q.25 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. 68.6π cubic metres

☐ 3. 65.4π cubic metres

☒ 4. 63.7π cubic metres

Q.26 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. 72

☐ 2. 144

☐ 3. 288

☒ 4. 216

Q.27 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. 48°

☐ 3. 52°

☐ 4. 49°

Q.28 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. ₹2,122

☐ 2. ₹2,191

☒ 3. ₹2,200

☐ 4. ₹2,159

Q.29 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. 198

✗ 2. 190

✗ 3. 200

✗ 4. 202

Q.30 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. 12

✗ 2. 8

✗ 3. 16

✗ 4. 7

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 actors are dancers.

Some dancers are magicians.

Conclusions:

(I) All dancers are actors.

(II) No magician is a dancer.

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

312 320 329 ? 350 362

Ans ✗ 1. 337

✗ 2. 341

✓ 3. 339

✗ 4. 336

Q.3 What should come in place of the question mark (?) in the given series?

425 300 236 209 201 ?

Ans ✗ 1. 152

✗ 2. 182

✗ 3. 172

✓ 4. 200

Q.4 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. 7
 - ☐ 2. 1
 - ☒ 3. 5
 - ☐ 4. 6

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.)

- Ans**
- ☐ 1. QU-LO
 - ☒ 2. LP-GI
 - ☐ 3. JN-EH
 - ☐ 4. NR-IL

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. PT 33
 - ☐ 2. PT 30
 - ☒ 3. QT 30
 - ☐ 4. QT 33

Q.7 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.8 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. Southeast
 - ☐ 3. Southwest
 - ☐ 4. South

Q.9 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. Three
 - ☐ 2. Zero
 - ☐ 3. One
 - ☒ 4. Two

Q.10 Kiya ranked 7th from the bottom and 15th from the top in her class. How many students are there in her class?

- Ans**
- ☐ 1. 19
 - ☐ 2. 20
 - ☒ 3. 21
 - ☐ 4. 22

Q.11 In a certain code language, 'FLAG' is coded as '7239' and 'ALIF' is coded as '3289'. What is the code for 'T' in the given code language?

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

Q.12 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. Sumit
 - ☐ 2. Tanvi
 - ☒ 3. Ranvir
 - ☐ 4. Samir

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. CELS
 - ☐ 2. NQWD
 - ☐ 3. JMSZ
 - ☐ 4. SVBI

Q.14 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. MSEX
 - ☐ 2. MXEW
 - ☐ 3. MSWE
 - ☒ 4. MSXE

Q.15 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. 6
 - ☐ 2. 5
 - ☐ 3. 3
 - ☒ 4. 4

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 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. OTYU
 - ☐ 2. OGET
 - ☐ 3. OETY
 - ☒ 4. OTEG

Q.18 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. VTS 29
 - ☒ 4. USQ 29

Q.19 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. 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 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. 41st
 - ☐ 2. 43rd
 - ☒ 3. 44th
 - ☐ 4. 42nd

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) 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.22 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. 9
 - ☒ 2. 13
 - ☒ 3. 11
 - ☒ 4. 7

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. GZ-LE
 - ☒ 2. CW-HA
 - ☒ 3. WP-BU
 - ☒ 4. SL-XQ

Q.24 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.25 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 brother
 - ☒ 2. Father's father
 - ☒ 3. Mother's brother
 - ☒ 4. Mother's father

Q.26 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. 17
 - ☒ 2. 30
 - ☒ 3. 12
 - ☒ 4. 24

Q.27 What should come in place of the question mark (?) in the given series?

82 , 83 , 85 , 89 , 97 , ?

- Ans**
- ☐ 1. 131
 - ☐ 2. 112
 - ☐ 3. 121
 - ☒ 4. 113

Q.28 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. HEF 11
 - ☒ 2. HEF 9
 - ☐ 3. HGF 11
 - ☐ 4. HGF 9

Q.29 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. O
 - ☐ 2. A
 - ☒ 3. D
 - ☐ 4. M

Q.30 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. Two
 - ☐ 2. One
 - ☐ 3. None
 - ☐ 4. Three



सत्यमेव जयते

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 Center Name	iON Digital Zone iDZ 2 Duhai
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 When was the historic Paris Agreement on climate change adopted by world leaders during the UN Climate Change Conference (COP21)?

- Ans
- ☐ 1. 2012
 - ☐ 2. 2005
 - ☐ 3. 1999
 - ☒ 4. 2015

Q.2 What is the name of the Indian Light Tank that achieved a major milestone in high-altitude firing trials in December 2024?

- Ans
- ☒ 1. Zorawar
 - ☐ 2. Arjun
 - ☐ 3. Vijayanta
 - ☐ 4. Bhishma

Q.3 Which programme was launched in 1953 to expand rural development more feasibly?

- Ans
- ☐ 1. Training for Rural Youth for Self-Employment
 - ☐ 2. Bharat Nirman Yojana
 - ☐ 3. Jawahar Rojgar Yojana
 - ☒ 4. National Extension Service (NES)

Q.4 The RTI Act empowers citizens of India to seek information from which of the following?

- Ans
- ☐ 1. Foreign embassies
 - ☐ 2. Non-governmental organisations
 - ☐ 3. Private companies
 - ☒ 4. Government departments

Q.5 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. Online trading of agricultural produce
 - ☐ 3. Minimum wage guarantee
 - ☐ 4. Fertiliser subsidy

Q.6 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. Indra
 - ☐ 2. Shakti
 - ☐ 3. Maitree
 - ☒ 4. Dharma Guardian

Q.7 In April 2025, a tri-services all women circumnavigation sailing expedition, 'Samudra Pradakshina' flagged off from:

- Ans**
- ☐ 1. Trivandrum
 - ☒ 2. Mumbai
 - ☐ 3. Madurai
 - ☐ 4. Durgapur

Q.8 Which of the following States enjoys special provisions under Article 371A due to its unique customary law and land ownership practices?

- Ans**
- ☐ 1. Manipur
 - ☒ 2. Nagaland
 - ☐ 3. Mizoram
 - ☐ 4. Sikkim

Q.9 Western disturbances mainly affect the weather of which region in India?

- Ans**
- ☐ 1. Coastal Andhra Pradesh
 - ☒ 2. North-West India
 - ☐ 3. Deccan Plateau
 - ☐ 4. Eastern Ghats

Q.10 Which type of weathering is primarily involved in the enrichment of bauxite and other ores?

- Ans**
- ☒ 1. Chemical weathering
 - ☐ 2. Mechanical weathering
 - ☐ 3. Biological weathering
 - ☐ 4. Glacial weathering

Q.11 The Kailasa Temple at Ellora is an example of which of the following types of architecture?

- Ans**
- ☐ 1. Islamic architecture
 - ☐ 2. Wooden architecture
 - ☐ 3. Colonial architecture
 - ☒ 4. Rock-cut architecture

Q.12 What does ASCII stand for?

- Ans**
- ☐ 1. Advanced Standard Coding in Information Industry
 - ☒ 2. American Standard Code for Information Interchange
 - ☐ 3. Auxiliary System for Communication and Interchange
 - ☐ 4. Automated System for Computer Information Interchange

Q.13 Which of following sports events was clinched by Indian pair Manush Shah and Diya Chitale in April 2025?

- Ans**
- ✓ 1. WTT Contender Tunis 2025
 - ✗ 2. WTT Contender Lagos 2025
 - ✗ 3. United States Smash 2025
 - ✗ 4. WTT Star Contender Ljubljana 2025

Q.14 Article 6 deals with persons who migrated to India from ____.

- Ans**
- ✗ 1. Bangladesh
 - ✗ 2. Nepal
 - ✓ 3. Pakistan
 - ✗ 4. Sri Lanka

Q.15 Which of the following transportation systems was primarily developed in India to serve colonial economic interests?

- Ans**
- ✗ 1. Airways
 - ✓ 2. Railways
 - ✗ 3. Metro rail
 - ✗ 4. Inland waterways

Q.16 What is the name of the indigenous electric trainer aircraft initiative launched by India in March 2025 to promote green aviation?

- Ans**
- ✓ 1. E-HANSA
 - ✗ 2. Vayu
 - ✗ 3. Shakti
 - ✗ 4. Green Hawk

Q.17 Which of the following groups of people is said to have migrated into the late Indus Valley era India from Central Asia?

- Ans**
- ✓ 1. Aryans
 - ✗ 2. Mesopotamians
 - ✗ 3. Dravidas
 - ✗ 4. Shakas

Q.18 The Right to Protection in respect of conviction for offences (including protection from double jeopardy and self-incrimination) is covered under:

- Ans**
- ✓ 1. Article 20
 - ✗ 2. Article 21
 - ✗ 3. Article 22
 - ✗ 4. Article 23

Q.19 Which of the following is a private sector organisation in India?

- Ans**
- ✗ 1. ONGC
 - ✓ 2. TISCO
 - ✗ 3. Indian Railways
 - ✗ 4. SAIL

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. Kiltan
 - ✓ 2. Arnala
 - ✗ 3. Kamorta
 - ✗ 4. Kadmatt

Q.21 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. Virat Kohli
 - ☒ 4. Rohit Sharma

Q.22 Which of the following Articles of the Indian Constitution deals with Union Territories?

- Ans**
- ☐ 1. Article 7
 - ☐ 2. Article 262
 - ☒ 3. Article 239
 - ☐ 4. Article 1

Q.23 Which acid was first created from inorganic materials by Hermann Kolbe in 1845?

- Ans**
- ☒ 1. Acetic Acid
 - ☐ 2. Sulphuric acid
 - ☐ 3. Citric Acid
 - ☐ 4. Formic Acid

Q.24 Christian Stalker is the Federal Chancellor of which country?

- Ans**
- ☐ 1. Norway
 - ☒ 2. Austria
 - ☐ 3. Finland
 - ☐ 4. Sweden

Q.25 The Visuddhimagga, a key Buddhist text, was written by which of the following scholars?

- Ans**
- ☐ 1. Vasubandhu
 - ☒ 2. Buddhaghosa
 - ☐ 3. Aryadeva
 - ☐ 4. Nagarjuna

Q.26 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

Q.27 Birch and Rhododendrons are found in which kind of forests?

- Ans**
- ☒ 1. Montane forests
 - ☐ 2. Tropical Evergreen and Semi Evergreen forests
 - ☐ 3. Tropical Thorn forests
 - ☐ 4. Littoral and Swamp forests

Q.28 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 Tytler
 - ✗ 2. Lord Cornwallis
 - ✗ 3. Robert Clive
 - ✗ 4. Lieutenant Colonel William Lambton

Q.29 Which of the following factors DOES NOT directly influence population distribution in India?

- Ans**
- ✗ 1. Climate
 - ✗ 2. Topography
 - ✓ 3. Official language
 - ✗ 4. Soil fertility

Q.30 In 2025, ISRO sprouted which of the following seeds in space under microgravity conditions?

- Ans**
- ✗ 1. Kidney bean seeds
 - ✗ 2. Chickpea seed
 - ✗ 3. Soya bean seeds
 - ✓ 4. Cowpea seeds

Q.31 Which area of the main stem and roots contains the spongy, soft parenchyma cells that carry and store nutrients for the plant?

- Ans**
- ✗ 1. Stele
 - ✗ 2. Metaxylem
 - ✓ 3. Pith
 - ✗ 4. Cortex

Q.32 In which of the following cities was the Paramhansa Mandali founded to work for the abolition of caste?

- Ans**
- ✗ 1. Surat
 - ✓ 2. Bombay
 - ✗ 3. Kanpur
 - ✗ 4. Patna

Q.33 Which organisation published the 2025 edition of the 'State of the World's Nursing' report?

- Ans**
- ✗ 1. World Bank
 - ✗ 2. International Labour Organization (ILO)
 - ✗ 3. UNICEF
 - ✓ 4. World Health Organization (WHO)

Q.34 Select the correct sequence of steps to create a new folder on the desktop?

- Ans**
- ✗ 1. Open File Explorer → Right-click Desktop → New Folder
 - ✓ 2. Right-click Desktop → New → Folder
 - ✗ 3. Click Start → Settings → New → Folder
 - ✗ 4. Right-click Taskbar → Select Folder → Press Enter

Q.35 During May 2025, the 4th Europe-Africa Forum was organised in which location?

- Ans**
- ☐ 1. Nice
 - ☐ 2. Lyon
 - ☐ 3. Paris
 - ☒ 4. Marseille

Q.36 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.37 In which of the following years did the Government of Bengal pass the Calcutta Electric Lighting Act?

- Ans**
- ☐ 1. 1911
 - ☒ 2. 1895
 - ☐ 3. 1904
 - ☐ 4. 1900

Q.38 What is the mass percentage of sodium hypochlorite typically present in a commercial bleaching solution?

- Ans**
- ☒ 1. 3.62%
 - ☐ 2. 10.85%
 - ☐ 3. 5.46%
 - ☐ 4. 2.57%

Q.39 Who among the following presented the First Five-Year Plan on July 9, 1951?

- Ans**
- ☐ 1. Rajendra Prasad
 - ☐ 2. Purushottam Das Tandon
 - ☒ 3. Jawaharlal Nehru
 - ☐ 4. Sardar Vallabhbhai Patel

Q.40 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. Sikkim and Telangana
 - ☐ 2. Kerala and Andhra Pradesh
 - ☐ 3. Chhattisgarh and Madhya Pradesh
 - ☐ 4. Uttar Pradesh and Odisha

Section : Mathematics

Q.1 A number, when increased by 70%, gives 3400. The number is:

- Ans**
- ☒ 1. 2000
 - ☐ 2. 4000
 - ☐ 3. 1000
 - ☐ 4. 6000

Q.2 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. ₹9,551
 - ☒ 2. ₹8,814
 - ☐ 3. ₹8,840
 - ☐ 4. ₹9,547

Q.3 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. ₹232
 - ☐ 2. ₹235
 - ☐ 3. ₹229
 - ☐ 4. ₹228

Q.4 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.5 The value of $\sqrt{196} + \sqrt{0.0361} - \sqrt{7.29}$ is _____.

- Ans
- ☐ 1. 16.25
 - ☐ 2. 9.66
 - ☐ 3. 16.65
 - ☒ 4. 11.49

Q.6 The number 563607 is divisible by which of the following?

- Ans
- ☒ 1. 3
 - ☐ 2. 8
 - ☐ 3. 13
 - ☐ 4. 10

Q.7 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. $5\frac{247}{505}$ hours
 - ☐ 2. $10\frac{247}{505}$ hours
 - ☐ 3. $7\frac{247}{505}$ hours
 - ☐ 4. $11\frac{247}{505}$ hours

Q.8 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. 13905
 - ☐ 3. 13877
 - ☐ 4. 13838

Q.9 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. 49
 - ☐ 2. 48
 - ☐ 3. 51
 - ☒ 4. 50

Q.10 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. 40
 - ☐ 2. 30
 - ☒ 3. 35
 - ☐ 4. 25

Q.11 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.12 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. 18 hours
 - ☐ 3. 23 hours
 - ☐ 4. 27 hours

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. ₹450
 - ☐ 3. ₹420
 - ☒ 4. ₹400

Q.14 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. 5622
 - ☐ 2. 5623
 - ☐ 3. 5627
 - ☒ 4. 5625

Q.15 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. 119
 - ☐ 2. 85
 - ☐ 3. 102
 - ☒ 4. 153

Q.16 If the third proportional of 8 and 20 be x, then what is the value of x?

- Ans**
- ☐ 1. 47
 - ☐ 2. 48
 - ☐ 3. 52
 - ☒ 4. 50

Q.17 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. 11:13 AM
 - ☐ 2. 10:53 AM
 - ☐ 3. 11:43 AM
 - ☐ 4. 12:13 PM

Q.18 The value of $\frac{4}{3} + \left(\frac{1}{1 + \frac{5}{6}} \right) - \frac{5}{4}$ is

- Ans**
- ☐ 1. $\frac{85}{134}$
 - ☐ 2. $\frac{89}{126}$
 - ☐ 3. $\frac{93}{125}$
 - ☒ 4. $\frac{83}{132}$

Q.19 A dealer offers successive discounts of 15% and 12% on a refrigerator marked at ₹25,000. What is the final selling price?

- Ans**
- ☐ 1. ₹18,800
 - ☐ 2. ₹18,900
 - ☒ 3. ₹18,700
 - ☐ 4. ₹19,000

Q.20 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. 15
 - ☐ 2. 22
 - ☐ 3. 17
 - ☒ 4. 20

Q.21 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. 17
 - ☐ 2. 12
 - ☐ 3. 20
 - ☒ 4. 19

Q.22 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% gain
 - ☐ 2. $\frac{100}{6}\%$ gain
 - ☐ 3. $\frac{100}{6}\%$ loss
 - ☐ 4. 60% loss

Q.23 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

Q.24 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. 8,700
 - ☐ 2. 8,697
 - ☐ 3. 8,702
 - ☐ 4. 8,699

Q.25 The LCM of the numbers 5.3 and 0.4 is:

- Ans
- ☐ 1. 0.212
 - ☒ 2. 21.2
 - ☐ 3. 2.12
 - ☐ 4. 212

Q.26 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. 34.82
 - ☐ 2. 35.82
 - ☐ 3. 36.82
 - ☐ 4. 33.82

Q.27 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. ₹617
 - ☐ 2. ₹613
 - ☒ 3. ₹615
 - ☐ 4. ₹614

Q.28 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. 720
 - ☒ 3. 700
 - ☐ 4. 684

Q.29 Find the value of $95^{-17} \div 95^9 \times 95^{-15}$.

- Ans**
- ☐ 1. 95^{-42}
 - ☒ 2. 95^{-41}
 - ☐ 3. 95^{-35}
 - ☐ 4. 95^{-49}

Q.30 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. 28 min
 - ☐ 2. 44 min
 - ☐ 3. 8 min
 - ☐ 4. 20 min

Section : General Intelligence and Reasoning

Q.1 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 sister's son
 - ☐ 2. Mother's mother's sister
 - ☐ 3. Mother's sister's daughter
 - ☒ 4. Mother's mother's brother

Q.2 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. N
 - ☐ 4. L

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 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. (27, 6, 25)

☒ 2. (45, 72, 9)

☒ 3. (15, 0, 16)

☒ 4. (15, 10, 11)

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. YV - CR

☒ 2. JB - MX

☒ 3. PF - SB

☒ 4. MC - PY

Q.5 What should come in place of the question mark (?) in the given series?

4 8 24 96 ? 2880

Ans ☒ 1. 240

☒ 2. 320

☒ 3. 480

☒ 4. 410

Q.6 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 north

☒ 2. 13 km towards west

☒ 3. 26 km towards east

☒ 4. 19 km towards south

Q.7 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. VEIN - VIEN - NIEV

☒ 2. MINK - IMNK - KINM

☒ 3. SPOT - PSOT - POTS

☒ 4. MANY - AMNY - MNYA

Q.8 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. VCV
 - ☒ 2. VCU
 - ☒ 3. VDU
 - ☒ 4. UDU

Q.9 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. ob
 - ☒ 2. ft
 - ☒ 3. qr
 - ☒ 4. rd

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 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.11 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. 49 km towards the east
 - ☒ 3. 58 km towards the west
 - ☒ 4. 54 km towards the east

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. (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. 3
 - ☒ 2. 5
 - ☒ 3. 2
 - ☒ 4. 4

Q.13 What should come in place of the question mark (?) in the given series?

112 101 90 79 68 ?

- Ans
- ☐ 1. 54
 - ☐ 2. 55
 - ☐ 3. 56
 - ☒ 4. 57

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. GJP
 - ☒ 2. QIA
 - ☐ 3. KNT
 - ☐ 4. ORX

Q.15 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. SQPL
 - ☐ 2. QSPL
 - ☒ 3. SQLP
 - ☐ 4. QSLP

Q.16 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. 78
 - ☐ 3. 74
 - ☒ 4. 76

Q.17 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. 11
 - ☐ 2. 9
 - ☒ 3. 8
 - ☐ 4. 13

Q.18 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. 10
 - ☐ 2. 11
 - ☐ 3. 8
 - ☐ 4. 9

Q.19 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. One
 - ☐ 2. Two
 - ☒ 3. Four
 - ☐ 4. Three

Q.20 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 (II) follows.
 - ☐ 2. Neither conclusion (I) nor (II) follows.
 - ☒ 3. Only conclusion (I) follows.
 - ☐ 4. Both conclusions (I) and (II) follow.

Q.21 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. 5
 - ☐ 3. 4
 - ☐ 4. 7

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. DFB
 - ☐ 2. MOK
 - ☒ 3. OSP
 - ☐ 4. OQM

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 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. 2
 - ☐ 2. 1
 - ☐ 3. 4
 - ☒ 4. 3

Q.24 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. CNR : DOS
 - ☒ 2. ADH : BFJ
 - ☒ 3. BGJ : AFI
 - ☒ 4. RTY : SZU

Q.25 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. HFY 98
 - ☒ 4. IDX 101

Q.26 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.27 What should come in place of the question mark (?) in the given series?

991 990 992 991 993 992 994 ?

- Ans**
- ☒ 1. 992
 - ☒ 2. 996
 - ☒ 3. 993
 - ☒ 4. 995

Q.28 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. Two
 - ☒ 2. Three
 - ☒ 3. One
 - ☒ 4. Four

Q.29 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. 18
 - ☒ 4. 19

Q.30 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. 19
 - ☐ 2. 18
 - ☐ 3. 21
 - ☐ 4. 20



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



Test Center Name	Eklavya Academy Udaipur
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Canal irrigation is best suited for which of the following geographical regions?

- Ans**
- ☐ 1. Rocky plateaus
 - ☐ 2. Desert regions
 - ☒ 3. River basins and flat lands
 - ☐ 4. High mountain regions

Q.2 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. Central Bureau of Investigation (CBI)
 - ☒ 2. Indian Cyber Crime Coordination Centre (I4C)
 - ☐ 3. Cyber and Information Security Division (CISD)
 - ☐ 4. National Cyber Crime Reporting Portal (NCRP)

Q.3 Lok Adalats in India have statutory status under which of the following enactments?

- Ans**
- ☐ 1. The Indian Penal Code, 1860
 - ☐ 2. The Civil Procedure Code, 1908
 - ☐ 3. The Arbitration and Conciliation Act, 1996
 - ☒ 4. The Legal Services Authorities Act, 1987

Q.4 The 'Nuclear Energy Mission for Viksit Bharat' aims to achieve how much nuclear energy capacity by 2047?

- Ans**
- ☐ 1. 75 GW
 - ☐ 2. 50 GW
 - ☒ 3. 100 GW
 - ☐ 4. 125 GW

Q.5 The spread of the Green Revolution technology enabled India to achieve self-sufficiency in _____.

- Ans**
- ☒ 1. food grains
 - ☐ 2. oil seeds
 - ☐ 3. sugarcane
 - ☐ 4. vegetables

Q.6 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.7 A solution with a pH of 2 is how many times more acidic than a solution with pH 4?

- Ans**
- ☒ 1. 100 times
 - ☐ 2. 10 times
 - ☐ 3. 200 times
 - ☐ 4. 2 times

Q.8 Ashok Chandra assumed charge as Managing Director and Chief Executive Officer of _____ on 16th January 2025.

- Ans**
- ☐ 1. Union Bank of India
 - ☐ 2. Central Bank of India
 - ☐ 3. Canara Bank
 - ☒ 4. Punjab National Bank

Q.9 The largest area of the Great Indian Desert in India is located in which state?

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

Q.10 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. India
 - ☐ 3. Australia
 - ☐ 4. Japan

Q.11 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.12 Which of the following Five-Year Plans was based on the Harrod-Domar Model?

- Ans**
- ☐ 1. Third
 - ☐ 2. Seventh
 - ☒ 3. First
 - ☐ 4. Fifth

Q.13 What is the general slope of the Deccan Plateau?

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

Q.14 Where was the 12th World Government Summit, 2025, held?

- Ans**
- ☐ 1. Muscat, Oman
 - ☐ 2. Delhi, India
 - ☐ 3. Riyadh, Saudi Arabia
 - ☒ 4. Dubai, UAE

Q.15 Yagnavarman, Sardulavarman and Anantavarman were the kings of which of the following kingdoms?

- Ans**
- ☐ 1. Maitrakas of Valabhi
 - ☐ 2. Pushyabhutis of Thanesar
 - ☐ 3. Magadha Guptas
 - ☒ 4. Maukharis of Kanauj

Q.16 Which ISRO mission, launched in May 2025, aims to enhance India's all-weather day-and-night Earth observation capabilities?

- Ans**
- ☒ 1. EOS-09
 - ☐ 2. Cartosat-3
 - ☐ 3. RISAT-1B
 - ☐ 4. INSAT-3DS

Q.17 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. 2028
 - ☐ 2. 2030
 - ☒ 3. 2029
 - ☐ 4. 2032

Q.18 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. Education
 - ☒ 3. Police
 - ☐ 4. Health

Q.19 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.20 Which Indo-Greek ruler's envoy Heliodorus installed a pillar in Vidisha and was a devotee of Lord Krishna?

- Ans**
- ☐ 1. Demetrius
 - ☐ 2. Menander
 - ☒ 3. Antialkidas
 - ☐ 4. Diodotus

Q.21 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. ALU and CU – Perform calculations and control all computer operations
 - ☐ 3. RAM and ROM – Store data and instructions permanently
 - ☐ 4. HDD and SSD – Perform data input and output tasks

Q.22 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. Andhra Cricket Association
 - ☐ 3. Delhi District Cricket Association
 - ☐ 4. Punjab Cricket Association

Q.23 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.24 The process of planet formation through collision and sticking of small celestial bodies is called:

- Ans
- ☒ 1. Accretion
 - ☐ 2. Degassing
 - ☐ 3. Differentiation
 - ☐ 4. Fragmentation

Q.25 In FIFO scheduling, which process is executed first?

- Ans
- ☒ 1. The process that arrives first
 - ☐ 2. The process with the shortest execution time
 - ☐ 3. The process that arrives last
 - ☐ 4. The process with the highest priority

Q.26 In which year was the Paris Agreement adopted?

- Ans
- ☐ 1. 2013
 - ☐ 2. 2016
 - ☒ 3. 2015
 - ☐ 4. 2017

Q.27 Who was appointed as the Chairman of the Union Public Service Commission (UPSC) in 2025, succeeding Preeti Sudan?

- Ans
- ☐ 1. Anil Swarup
 - ☒ 2. Ajay Kumar
 - ☐ 3. Sanjay Mitra
 - ☐ 4. Rajiv Gauba

Q.28 What are quaternary activities mainly associated with?

- Ans
- ☐ 1. Industrial work
 - ☒ 2. Information and research
 - ☐ 3. Agriculture
 - ☐ 4. Transportation

Q.29 What is the projected valuation of India's satellite communication (satcom) market by 2028?

- Ans**
- ✓ 1. \$20 billion
 - ✗ 2. \$10 billion
 - ✗ 3. \$15 billion
 - ✗ 4. \$5 billion

Q.30 Which of the following properties generally increases across a period (left to right) in the periodic table?

- Ans**
- ✗ 1. Atomic radius
 - ✗ 2. Metallic character
 - ✗ 3. Reduction
 - ✓ 4. Ionisation enthalpy

Q.31 What is the purpose of the submarine cable project launched by the Indian National Centre for Ocean Information Services (INCOIS) in 2025?

- Ans**
- ✗ 1. Support ocean tourism
 - ✗ 2. Increase internet speed in coastal areas
 - ✓ 3. Enhance long-term Indian Ocean observations
 - ✗ 4. Improve underwater defense systems

Q.32 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. Geeta Singh
 - ✓ 2. Deepa Bhashti
 - ✗ 3. Manorama Mishra
 - ✗ 4. Chitra Banerjee Divakaruni

Q.33 Before becoming the Chief Justice of India, Justice BR Gavai served in which court?

- Ans**
- ✗ 1. Madras High Court
 - ✓ 2. Bombay High Court
 - ✗ 3. Delhi High Court
 - ✗ 4. Allahabad High Court

Q.34 Who among the following passed an Act in 1898, making it an offence to provoke people against the British rulers?

- Ans**
- ✗ 1. Lord Mayo
 - ✓ 2. Lord Curzon
 - ✗ 3. Lord Elgin
 - ✗ 4. Lord Northbrook

Q.35 Under what conditions can the Parliament legislate on matters in the State List according to constitutional provisions?

- Ans**
- ✗ 1. If a Governor requests it due to a financial emergency in the state.
 - ✗ 2. During a national emergency declared under Article 352.
 - ✗ 3. If the President signs a proclamation without Parliament's involvement.
 - ✓ 4. When the Rajya Sabha passes a resolution.

Q.36 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 245
 - ☐ 2. Article 256
 - ☐ 3. Article 250
 - ☐ 4. Article 249

Q.37 What happened to employment opportunities after the 1991 reforms?

- Ans**
- ☒ 1. Increased, especially in private and service sectors
 - ☐ 2. Only grew in agriculture
 - ☐ 3. Stayed the same
 - ☐ 4. Decreased in all sectors

Q.38 Who among the following strongly criticised British education for being too Western and disconnected from Indian realities?

- Ans**
- ☐ 1. Raja Rammohan Roy
 - ☒ 2. Rabindranath Tagore
 - ☐ 3. Charles Wood
 - ☐ 4. Macaulay

Q.39 Which of the following is a mode of losing Indian citizenship?

- Ans**
- ☐ 1. Registration
 - ☐ 2. Naturalization
 - ☐ 3. Birth
 - ☒ 4. Renunciation

Q.40 Which initiative was launched to provide reliable electricity to all households in India, especially in rural areas?

- Ans**
- ☐ 1. GARV Dashboard
 - ☒ 2. Saubhagya Scheme
 - ☐ 3. Shakti Scheme
 - ☐ 4. UJALA Scheme

Section : Mathematics

Q.1 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. 90°
 - ☒ 2. 22.5°
 - ☐ 3. 42.5°
 - ☐ 4. 37.5°

Q.2 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. ₹1,55,955
 - ☐ 2. ₹1,56,185
 - ☒ 3. ₹1,56,000
 - ☐ 4. ₹1,55,875

Q.3 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. 284
 - ☒ 3. 228
 - ☐ 4. 293

Q.4 Pipe P can fill $\frac{3}{8}$ part of a tank in 30 hours, and pipe Q can fill $\frac{4}{5}$ part. Both P and Q were kept open for 4 hours, then both were closed. Pipe R emptied the water in the tank in 8 hours. Pipes P, Q and R together

- Ans**
- ☐ 1. 40 hours
 - ☐ 2. 35 hours
 - ☒ 3. 32 hours
 - ☐ 4. 21 hours

Q.5 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. 20
 - ☐ 3. 12
 - ☒ 4. 16

Q.6 Find the effective discount for the scheme – Buy 12, get 8 free.

- Ans**
- ☒ 1. 40%
 - ☐ 2. 21%
 - ☐ 3. 10%
 - ☐ 4. 20%

Q.7 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.8 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. $M - N = 1$
 - ☒ 2. $M - N = 3$
 - ☐ 3. $M + N = -3$
 - ☐ 4. $M = N$

Q.9 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.10 The value of $\frac{4}{3} + \left(\frac{1}{1 + \frac{2}{7}} \right) - \frac{2}{3}$ is

- Ans
- ☐ 1. $\frac{4}{9}$
 - ☐ 2. $\frac{5}{8}$
 - ☐ 3. $\frac{16}{19}$
 - ☒ 4. $\frac{13}{9}$

Q.11 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. 15,678
 - ☒ 3. 15,675
 - ☐ 4. 15,677

Q.12 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. 25 km/hr
 - ☐ 3. 10 km/hr
 - ☒ 4. 20 km/hr

Q.13 Evaluate: $(-9) - (-60) \div (-10) + (-3) \times 9$

- Ans
- ☐ 1. -41
 - ☒ 2. -42
 - ☐ 3. -44
 - ☐ 4. -45

Q.14 Find the surface area of a sphere with a radius of 5 cm.

(Use $\pi = 3.14$)

- Ans
- ☐ 1. 628 cm^2
 - ☐ 2. 31.4 cm^2
 - ☒ 3. 314 cm^2
 - ☐ 4. 3140 cm^2

Q.15 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. 12:50 PM
 - ☐ 2. 12:10 PM
 - ☐ 3. 11:50 AM
 - ☒ 4. 12:40 PM

Q.16 If the third proportional of 8 and 16 be x , then what is the value of x ?

- Ans** ☒ 1. 32
☐ 2. 31
☐ 3. 34
☐ 4. 35

Q.17 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. 8.45
☐ 3. 9.12
☒ 4. 8.42

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. 19%
☐ 2. 35%
☒ 3. 5%
☐ 4. 17%

Q.19 Which of the following numbers divides 393064111?

- Ans** ☐ 1. 10
☒ 2. 11
☐ 3. 14
☐ 4. 15

Q.20 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. 300
☐ 2. 400
☐ 3. 200
☒ 4. 500

Q.21 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. $\frac{21}{50}$
☐ 2. $\frac{9}{50}$
☒ 3. $\frac{13}{50}$
☐ 4. $\frac{17}{50}$

Q.22 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. 55 years
☒ 2. 45 years
☐ 3. 39 years
☐ 4. 36 years

Q.23 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. 25
 - ☐ 2. 28
 - ☐ 3. 35
 - ☒ 4. 30

Q.24 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. 5
 - ☒ 2. 54
 - ☐ 3. 10
 - ☐ 4. 25

Q.25 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. 42
 - ☐ 2. 40
 - ☐ 3. 51
 - ☐ 4. 38

Q.26 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. ₹1,45,000
 - ☐ 2. ₹1,20,640
 - ☐ 3. ₹96,000
 - ☒ 4. ₹1,16,000

Q.27 The average of first 159 even numbers is

- Ans**
- ☐ 1. 159.5
 - ☐ 2. 160.5
 - ☒ 3. 160
 - ☐ 4. 161

Q.28 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. 20.88%
 - ☐ 2. 22.48%
 - ☐ 3. 21.62%
 - ☐ 4. 18.23%

Q.29 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. $\sin\theta\sec\theta$
 - ☐ 2. $\tan\theta + \sec\theta$
 - ☒ 3. $\operatorname{cosec}\theta + \sec\theta$
 - ☐ 4. $\sin\theta + \cos\theta$

Q.30 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. ₹42.20
 - ✗ 2. ₹36.60
 - ✗ 3. ₹47.10
 - ✗ 4. ₹48.20

Section : General Intelligence and Reasoning

Q.1 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. NU-PW-SV
 - ✗ 4. MU-OW-SV

Q.2 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. Two
 - ✗ 2. Three
 - ✗ 3. Four
 - ✗ 4. One

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 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. Both conclusions (I) and (II) follow.
 - ✗ 2. Only conclusion (II) follows.
 - ✓ 3. Neither conclusion (I) nor (II) follows.
 - ✗ 4. Only conclusion (I) follows.

Q.4 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. LAK
 - ✗ 2. KLA
 - ✗ 3. LKA
 - ✓ 4. KAL

Q.5 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. Three
 - ☐ 2. None
 - ☒ 3. Two
 - ☐ 4. One

Q.6 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. AC-DF
 - ☒ 3. KM-NO
 - ☐ 4. SU-VX

Q.7 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. ud
 - ☐ 2. bs
 - ☒ 3. ni
 - ☐ 4. kr

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 orchids are cacti.
No cactus is a marigold.

Conclusions:

(I) No marigold is a cactus.
(II) Some cacti are orchids.

- 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.9 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. 3
 - ☐ 2. 0
 - ☒ 3. 1
 - ☐ 4. 2

Q.10 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. G
 - ☒ 2. E
 - ☐ 3. A
 - ☐ 4. C

Q.11 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 sister
 - ☐ 2. Father's brother's son
 - ☐ 3. Father's brother's daughter
 - ☒ 4. Husband's brother's wife

Q.12 What should come in place of the question mark (?) in the given series?

9 19 39 69 109 ?

- Ans**
- ☐ 1. 155
 - ☒ 2. 159
 - ☐ 3. 160
 - ☐ 4. 150

Q.13 What should come in place of the question mark (?) in the given series?

11, 33, 55, 77, ?, 121.

- Ans**
- ☐ 1. 101
 - ☐ 2. 109
 - ☐ 3. 111
 - ☒ 4. 99

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.

LOPE - LEPO - EPOL
QUIT - QTIU - TIUQ

- Ans**
- ☐ 1. WAST - WSAT - TSAW
 - ☐ 2. FILE - IFLE - EILF
 - ☒ 3. BANG - BGNA - GNAB
 - ☐ 4. SLOP - SLPO - LOPS

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.

JUNE - UJNE - EUJN
LAPS - ALPS - SALP

- Ans** ☒ 1. FROG - RFOG - GRFO
 ☐ 2. LOST - OLST - OSTL
 ☐ 3. BUGS - UBGs - SUGB
 ☐ 4. MOVE - MVOE - EVOM

Q.16 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. 15 km
 ☐ 2. 5 km
 ☐ 3. 10 km
 ☐ 4. 4 km

Q.17 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. MRU59
 ☐ 2. MRV58
 ☐ 3. MRU58
 ☐ 4. MRV59

Q.18 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 A 13 C 3 B 35 D 5
 ☐ 2. 41 C 13 B 3 A 35 D 5
 ☐ 3. 41 B 13 C 3 D 35 A 5
 ☒ 4. 41 D 13 B 3 C 35 A 5

Q.19 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.20 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. 1
☐ 2. 5
☐ 3. 3
☐ 4. 7

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. GLH
☐ 2. NSO
☐ 3. EJJ
☒ 4. LQN

Q.22 What should come in place of the question mark (?) in the given series?

162 ? 42 22 12 7

- Ans** ☐ 1. 76
☐ 2. 74
☒ 3. 82
☐ 4. 78

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. 22nd
☐ 2. 21st
☐ 3. 26th
☒ 4. 24th

Q.24 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. 11
☐ 2. 9
☒ 3. 10
☐ 4. 8

Q.25 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. (30, 63, 2)
 - ☒ 3. (24, 84, 18)
 - ☒ 4. (1, 39, 19)

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. TR–PN
 - ☒ 2. RP–NL
 - ☒ 3. WU–SQ
 - ☒ 4. GE–BC

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. 43
 - ☒ 2. 41
 - ☒ 3. 44
 - ☒ 4. 40

Q.28 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. South
 - ☒ 2. North
 - ☒ 3. East
 - ☒ 4. West

Q.29 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. Three
 - ☒ 2. Two
 - ☒ 3. Four
 - ☒ 4. One

Q.30 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. 7
 - ☒ 2. 1
 - ☒ 3. 0
 - ☒ 4. 6

Blackbook



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 Center Name	iON Digital Zone iDZ 2 Bhauti
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 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. Second Plan
 - ☒ 3. Fourth Plan
 - ☒ 4. Third Plan

Q.2 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. 28%
 - ☒ 4. 20%

Q.3 Which of the following Indian states is bordered by both the Bay of Bengal and the Eastern Ghats?

- Ans**
- ☒ 1. Punjab
 - ☒ 2. Gujarat
 - ☒ 3. Karnataka
 - ☒ 4. Odisha

Q.4 The hot weather season in India is generally observed from:

- Ans**
- ☒ 1. March to May
 - ☒ 2. October to November
 - ☒ 3. December to February
 - ☒ 4. June to September

Q.5 Public Interest Litigation (PIL) in India is primarily associated with which of the following?

- Ans**
- ☐ 1. Police investigations
 - ☐ 2. Judicial review
 - ☒ 3. Judicial activism
 - ☐ 4. Election Commission

Q.6 Which hazardous pesticide was agreed to be eliminated under the Stockholm Convention held in Geneva in 2025?

- Ans**
- ☒ 1. Chlorpyrifos
 - ☐ 2. Glyphosate
 - ☐ 3. DDT
 - ☐ 4. Atrazine

Q.7 The government has made efforts to boost financial inclusion. Which 2014 scheme aimed to provide universal banking access in India?

- Ans**
- ☐ 1. MUDRA Yojana
 - ☐ 2. PMAY
 - ☒ 3. Jan Dhan Yojana
 - ☐ 4. JAM Trinity

Q.8 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. 263.70 GW
 - ☐ 2. 243.70 GW
 - ☐ 3. 223.70 GW
 - ☒ 4. 213.70 GW

Q.9 The Right to Constitutional Remedies, allowing individuals to move the Supreme Court directly for the enforcement of rights, is given under:

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

Q.10 Which initiative is associated with the construction of individual household toilets in India?

- Ans**
- ☐ 1. AMRUT
 - ☒ 2. Swachh Bharat Abhiyan
 - ☐ 3. Jal Jeevan Mission
 - ☐ 4. Smart Cities Mission

Q.11 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. Hilary Mante
 - ☐ 4. Salman Rushdie

Q.12 Which Indian astronaut participated in the Axiom Mission-4 to the ISS in 2025 to conduct space agriculture experiments?

- Ans**
- ✓ 1. Shubhanshu Shukla
 - ✗ 2. Sunita Williams
 - ✗ 3. Kalpana Chawla
 - ✗ 4. Rakesh Sharma

Q.13 Tourism in India contributes to which type of economic activity?

- Ans**
- ✗ 1. Primary
 - ✗ 2. Secondary
 - ✗ 3. Quinary
 - ✓ 4. Tertiary

Q.14 Which classical Sanskrit play was written by Kalidasa?

- Ans**
- ✗ 1. Svapnavasavadattam
 - ✗ 2. Mudrarakshasa
 - ✗ 3. Mrichchhakatika
 - ✓ 4. Abhijnana-Shakuntalam

Q.15 As of May 2025, what is the total number of Higher Education Institutions (HEIs) in India?

- Ans**
- ✓ 1. 70,683
 - ✗ 2. 72,000
 - ✗ 3. 60,000
 - ✗ 4. 65,300

Q.16 The 13th edition of the joint military exercise 'Ekuverin' 2025 was conducted in which country?

- Ans**
- ✗ 1. Cambodia
 - ✗ 2. India
 - ✗ 3. Thailand
 - ✓ 4. Maldives

Q.17 The Mauryan empire was founded by Chandragupta Maurya in which of the following years?

- Ans**
- ✗ 1. 375 BCE
 - ✗ 2. 300 BCE
 - ✓ 3. 322 BCE
 - ✗ 4. 350 BCE

Q.18 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. Mandating insurance for all cargo vessels
 - ✗ 2. Fixing freight rates for maritime shipments
 - ✗ 3. Replacing paper bills with biometric authentication
 - ✓ 4. Modernising India's maritime laws by replacing the old law

Q.19 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.20 What is the relation between the speed of sound (v), its wavelength (λ) and time period (T)?

- Ans**
- ☒ 1. $v = \lambda/T$
 - ☐ 2. $v = \lambda + T$
 - ☐ 3. $v = \lambda \times T$
 - ☐ 4. $v = T/\lambda$

Q.21 Which of the following pairs of Indian states share international borders with Bangladesh?

- Ans**
- ☐ 1. Nagaland and Punjab
 - ☐ 2. Sikkim and Manipur
 - ☒ 3. West Bengal and Tripura
 - ☐ 4. Manipur and Assam

Q.22 Which of the following pairs of Union Territories were merged to form a single Indian Union Territory in 2020?

- Ans**
- ☐ 1. Jammu and Kashmir and Ladakh
 - ☐ 2. Andaman and Nicobar and Lakshadweep
 - ☒ 3. Dadra and Nagar Haveli and Daman and Diu
 - ☐ 4. Chandigarh and Puducherry

Q.23 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. Prarthana Samaj
 - ☒ 2. Brahmo Samaj
 - ☐ 3. Arya Samaj
 - ☐ 4. Ramakrishna Mission

Q.24 What is the name of the glycoprotein produced in the liver that plays a crucial role in blood clotting?

- Ans**
- ☐ 1. Selectin
 - ☐ 2. Cadherin
 - ☐ 3. Mucins
 - ☒ 4. Fibrinogen

Q.25 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. Insert → New File
 - ☐ 4. Home → New File

Q.26 The earliest documented evidence of puppetry in India is in which of the following languages?

- Ans**
- ☒ 1. Tamil
 - ☐ 2. Gujarati
 - ☐ 3. Sanskrit
 - ☐ 4. Bengali

Q.27 Which city hosted the International Air Transport Association (IATA) Annual General Meeting and World Air Transport Summit in June 2025?

- Ans**
- ☐ 1. Bengaluru
 - ☒ 2. New Delhi
 - ☐ 3. Hyderabad
 - ☐ 4. Mumbai

Q.28 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.29 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.30 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. Ministry of Youth Affairs and Sports and National Handball Federation
 - ☐ 2. Indian Olympic Association and Sports Authority of India
 - ☒ 3. International Handball Federation and Asian Handball Federation
 - ☐ 4. All India School Sports Federation and Handball Association of India

Q.31 Diabetes mellitus is caused by the inadequate secretion of which hormone?

- Ans**
- ☐ 1. Estrogen
 - ☒ 2. Insulin
 - ☐ 3. Adrenaline
 - ☐ 4. Thyroxine

Q.32 How can you resize a window using its corners or borders in Windows?

- Ans**
- ☐ 1. Press Alt + Enter to auto-resize the window.
 - ☐ 2. Click the middle of the window and press Ctrl.
 - ☒ 3. Place the mouse pointer over a border or corner until it turns into a double-headed arrow, then drag.
 - ☐ 4. Drag the title bar to change the size.

Q.33 How is a long and healthy life measured in HDI?

- Ans**
- ☒ 1. Life expectancy at birth
 - ☐ 2. Health insurance coverage
 - ☐ 3. Number of doctors
 - ☐ 4. Access to hospitals

Q.34 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. Lala Lajpat Rai
 - ☐ 2. Gopal Krishna Gokhale
 - ☒ 3. Bal Gangadhar Tilak
 - ☐ 4. Bipin Chandra Pal

Q.35 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.36 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. Garuda Shakti
 - ☐ 3. Vajra Prahar
 - ☒ 4. Nomadic Elephant

Q.37 Which organisation was established in 1817 to promote Western education among Indians?

- Ans**
- ☒ 1. Hindoo College
 - ☐ 2. Brahmo Samaj
 - ☐ 3. Aligarh Movement
 - ☐ 4. Arya Samaj

Q.38 In the Gupta period, the term Udranga referred to ____.

- Ans**
- ☐ 1. tax on trade goods
 - ☒ 2. land tax
 - ☐ 3. royal donation to temples
 - ☐ 4. toll tax on rivers

Q.39 What was the significant change in funding norms for National Sports Federations (NSFs) announced by the Indian government in 2025?

- Ans**
- ☐ 1. Decrease in coach salaries
 - ☐ 2. Elimination of funding for foreign coaches in order to promote Indian coaches and youth development programmes
 - ☐ 3. Reduction in financial assistance for training athletes
 - ☒ 4. Allocation of at least 20% of their annual budget toward junior and youth development programmes

Q.40 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. Defence Research Development Organisation
 - ☐ 4. Aeronautical Development Agency

Q.1 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. 9 days
 - ☒ 3. 8 days
 - ☐ 4. 7 days

Q.2 The value of $\frac{3}{4} + \left(\frac{1}{1 + \frac{5}{6}} \right) - \frac{3}{5}$ is

- Ans**
- ☐ 1. $\frac{145}{229}$
 - ☐ 2. $\frac{162}{227}$
 - ☐ 3. $\frac{146}{225}$
 - ☒ 4. $\frac{153}{220}$

Q.3 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. ₹422
 - ☒ 2. ₹420
 - ☐ 3. ₹423
 - ☐ 4. ₹418

Q.4 By how much is 65% of 75 greater than $\frac{3}{5}$ of 35?

- Ans**
- ☐ 1. 21.75
 - ☒ 2. 27.75
 - ☐ 3. 25.75
 - ☐ 4. 24.75

Q.5 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. 2
 - ☐ 4. 0

Q.6 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. 11:58 AM
 - ☐ 3. 12:28 PM
 - ☐ 4. 1:28 PM

Q.7 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. 32 km/hr
 - ☒ 3. 42 km/hr
 - ☐ 4. 46 km/hr

Q.8 The product of two consecutive positive natural numbers is 462. The greater of the two numbers is:

- Ans**
- ☐ 1. 24
 - ☐ 2. 21
 - ☐ 3. 23
 - ☒ 4. 22

Q.9 Evaluate: $(-9) - (-60) \div (-10) + (-4) \times 8$

- Ans**
- ☐ 1. -49
 - ☐ 2. -50
 - ☐ 3. -46
 - ☒ 4. -47

Q.10 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. $10\frac{8}{13}$ days
 - ☐ 3. $11\frac{8}{13}$ days
 - ☒ 4. $4\frac{8}{13}$ days

Q.11 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.12 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. 116
 - ☐ 2. 92
 - ☒ 3. 140
 - ☐ 4. 164

Q.13 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. ₹38,300
 - ✗ 3. ₹38,339
 - ✗ 4. ₹38,697

Q.14 A mobile phone is marked at ₹30,000. Successive discounts of 20% and 10% are applied. What is the final selling price?

- Ans**
- ✓ 1. ₹21,600
 - ✗ 2. ₹24,600
 - ✗ 3. ₹22,600
 - ✗ 4. ₹24,000

Q.15 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. 66%
 - ✗ 2. 63%
 - ✗ 3. 67%
 - ✗ 4. 64%

Q.16 Which of the following numbers divides 5,63,607?

- Ans**
- ✗ 1. 13
 - ✗ 2. 8
 - ✗ 3. 10
 - ✓ 4. 3

Q.17 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. 70% gain
 - ✗ 2. $\frac{100}{35}\%$ gain
 - ✓ 3. 70% loss
 - ✗ 4. $\frac{100}{35}\%$ loss

Q.18 The simple interest on a certain sum for $3\frac{5}{9}$ years at the rate of 2.7%

What will be the amount payable on the same sum at the rate of 9.2%



- Ans**
- ✓ 1. ₹44,499
 - ✗ 2. ₹44,482
 - ✗ 3. ₹44,514
 - ✗ 4. ₹44,489

Q.19 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. 13,049
 - ☐ 2. 13,051
 - ☐ 3. 13,052
 - ☒ 4. 13,050

Q.20 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. 2483.71
 - ☐ 2. 2503.71
 - ☐ 3. 2493.71
 - ☐ 4. 2473.71

Q.21 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. 11
 - ☒ 2. 12
 - ☐ 3. 14
 - ☐ 4. 13

Q.22 The value of $\sqrt{400} + \sqrt{0.0289} - \sqrt{7.84} =$

- Ans
- ☐ 1. 12.83
 - ☐ 2. 15.86
 - ☒ 3. 17.37
 - ☐ 4. 16.15

Q.23 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. 33.61
 - ☐ 2. 36.61
 - ☐ 3. 35.61
 - ☒ 4. 34.61

Q.24 By selling 6 lemons for a rupee, a man loses 30%. To gain 5% how many must he sell for a rupee?

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

Q.25 Find the mean proportional of 81 and 36.

- Ans
- ☐ 1. 52
 - ☐ 2. 56
 - ☒ 3. 54
 - ☐ 4. 53

Q.26 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. 28
 - ☒ 2. 35
 - ☐ 3. 31
 - ☐ 4. 33

Q.27 Find the H.C.F. and L.C.M. of 0.48, 1.20 and 1.68.

- Ans
- ☐ 1. H.C.F. = 0.12; L.C.M. = 2.40
 - ☒ 2. H.C.F. = 0.24; L.C.M. = 16.8
 - ☐ 3. H.C.F. = 0.24; L.C.M. = 4.80
 - ☐ 4. H.C.F. = 0.12; L.C.M. = 1.68

Q.28 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.29 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. 19 cm
 - ☐ 2. 38 cm
 - ☒ 3. 9.5 cm
 - ☐ 4. 21 cm

Q.30 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. 38
 - ☐ 4. 33

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.

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. Four
 - ☒ 2. Two
 - ☐ 3. One
 - ☐ 4. Three

Q.2 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 east
 - ☒ 2. 10 m towards the west
 - ☐ 3. 10 m towards the north
 - ☐ 4. 10 m towards the south

Q.3 EGLU is related to CDJR in a certain way based on the English alphabetical order. In the same way, WUDI is related to URBV. To which of the given options is QXZ related, following the same logic?

- Ans**
- ☒ 1. QIVW
 - ☐ 2. OVIT
 - ☐ 3. OWVI
 - ☐ 4. YOBH

Q.4 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. 7 km north
 - ☐ 2. 10 km north
 - ☐ 3. 5 km south
 - ☐ 4. 7 km south

Q.5 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. YIGF
 - ☐ 2. YFID
 - ☒ 3. YDIF
 - ☐ 4. YDFI

Q.6 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. 2
 - ☐ 3. 1
 - ☒ 4. 8

Q.7 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. Four
 - ☒ 2. Two
 - ☐ 3. Three
 - ☐ 4. One

Q.8 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. RIKF
 - ☐ 2. RFKI
 - ☒ 3. RKEF
 - ☐ 4. REKF

Q.9 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
 - ☐ 3. Sister
 - ☐ 4. Mother's sister

Q.10 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. W
 - ☐ 2. X
 - ☒ 3. R
 - ☐ 4. V

Q.11 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. FYU
 - ☒ 2. FYV
 - ☐ 3. FVY
 - ☐ 4. FRT

Q.12 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. Three
 - ☐ 2. Four
 - ☐ 3. One
 - ☒ 4. Two

Q.13 What should come in place of the question mark (?) in the given series?
58, 64, 70, 76, 82, ?

- Ans**
- ☐ 1. 78
 - ☐ 2. 85
 - ☒ 3. 88
 - ☐ 4. 79

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. SNQ
 - ☒ 2. IDH
 - ☒ 3. PKN
 - ☒ 4. MHK

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. UPT
 - ☒ 2. LGK
 - ☒ 3. HCF
 - ☒ 4. PKO

Q.16 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. 7
 - ☒ 2. 8
 - ☒ 3. 6
 - ☒ 4. 9

Q.17 Salman ranked 24th from the top and 11th from the bottom in his class. How many students are there in his class?

- Ans
- ☒ 1. 34
 - ☒ 2. 33
 - ☒ 3. 31
 - ☒ 4. 32

Q.18 What should come in place of the question mark (?) in the given series?

9 11 19 61 239 ?

- Ans
- ☒ 1. 1201
 - ☒ 2. 1120
 - ☒ 3. 1021
 - ☒ 4. 1102

- 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 pencils are copies.
Some copies are erasers.

Conclusions

(I): Some pencils are erasers.

(II): Some erasers are copies.

- 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.20** 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.21** 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?

48 A 3 C 21 D 8 B 3 = ?

- Ans** ☒ 1. 13
☐ 2. 2
☐ 3. 10
☐ 4. 6

- Q.22** 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. 1
☐ 2. 3
☐ 3. 5
☒ 4. 2

- Q.23** 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. Z66A
☒ 3. A66B
☐ 4. Z65B

Q.24 If + means $\times$, $\times$ means $\div$ and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$22 \div 85 \times 5 + 12 - 2 = ?$$

- Ans
- ☐ 1. 30
 - ☐ 2. 23
 - ☐ 3. 37
 - ☒ 4. 15

Q.25 What should come in place of the question mark (?) in the given series?
38 41 47 59 83 ?

- Ans
- ☐ 1. 145
 - ☐ 2. 132
 - ☐ 3. 121
 - ☒ 4. 131

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 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. Both conclusions (I) and (II) follow.
 - ☐ 3. Only conclusion (II) follows.
 - ☐ 4. Only conclusion (I) follows.

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. NB - KW
 - ☐ 2. WI - TD
 - ☐ 3. KX - HS
 - ☒ 4. ES - AN

Q.28 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. (12, 130, 13)
 - ☒ 3. (17, 270, 19)
 - ☐ 4. (47, 2187, 21)

Q.29 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. Two
 - ☒ 2. One
 - ☐ 3. Four
 - ☐ 4. None

Q.30 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. 14
 - ☒ 2. 21
 - ☐ 3. 24
 - ☐ 4. 16



सत्यमेव जयते

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 Center Name	iON Digital Zone iDZ Prestige 2 Shree Jairam Education Society
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 Infrastructure has been a key pillar for sustained growth. Which initiative was launched in 2020 to coordinate infrastructure projects in India?

- Ans
- ☐ 1. Make in India
 - ☐ 2. Bharatmala Pariyojana
 - ☐ 3. Digital India
 - ☒ 4. PM Gati Shakti

Q.2 In which year was the National Disaster Response Force (NDRF) formed under the Disaster Management Act of 2005?

- Ans
- ☐ 1. 2005
 - ☐ 2. 2007
 - ☐ 3. 2004
 - ☒ 4. 2006

Q.3 A primary goal of LPG reforms was macroeconomic stabilisation. Which indicator improved significantly post-1991 reforms?

- Ans
- ☐ 1. Rural unemployment
 - ☐ 2. Revenue deficit
 - ☐ 3. Fiscal deficit
 - ☒ 4. Foreign exchange reserves

Q.4 Which archaeological site shows pit dwellings and evidence of domesticated dogs during the Neolithic period?

- Ans
- ☐ 1. Hallur
 - ☒ 2. Burzahom
 - ☐ 3. Chirand
 - ☐ 4. Koldihwa

Q.5 Which company signed a ₹1,220 crore deal for Software Defined Radios with Defence Ministry in February 2025?

- Ans**
- ☐ 1. Hindustan Shipyard
 - ☐ 2. L&T
 - ☐ 3. Reliance Naval Systems
 - ☒ 4. Bharat Electronics Limited

Q.6 Which of the following countries withdrew from the OCED Global Tax Deal in January 2025?

- Ans**
- ☐ 1. China
 - ☒ 2. USA
 - ☐ 3. India
 - ☐ 4. Russia

Q.7 As in May 2025, who was the Chairman of the National Highways Authority of India (NHAI)?

- Ans**
- ☐ 1. Vishal Chauhan
 - ☐ 2. Anil Choudhary
 - ☐ 3. Shri Alok Deepankar
 - ☒ 4. Santosh Kumar Yadav

Q.8 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. Shakti
 - ☐ 2. Prakampana
 - ☐ 3. Mitra Shakti
 - ☒ 4. Raahat

Q.9 Which of the following is NOT an epigraphic record for the reign of King Harsha?

- Ans**
- ☒ 1. Muzaffarnagar Seals
 - ☐ 2. Banskhera Copper Plate
 - ☐ 3. Nalanda Seals
 - ☐ 4. Aihole Inscription

Q.10 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. Rajkot
 - ☒ 2. Kutch
 - ☐ 3. Morbi
 - ☐ 4. Vadodara

Q.11 Which example best reflects the need for the Constitution in daily life?

- Ans**
- ☒ 1. Class deciding rules for representation and resource sharing
 - ☐ 2. Buying groceries from a local store
 - ☐ 3. Resolving a family dispute
 - ☐ 4. Celebrating national festivals

Q.12 As announced in January 2025, which Indian pharmaceutical company is set to manufacture Paracetamol domestically?

- Ans**
- ☐ 1. Alkem Laboratories
 - ☐ 2. Ajanta Pharmaceuticals
 - ☐ 3. Lupin
 - ☒ 4. Satya Deeptha Pharmaceuticals

Q.13 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. CoBRA Battalion
 - ☐ 3. Para (Special Forces)
 - ☐ 4. Special Frontier Force (SFF)

Q.14 What does CPU stand for in computer systems?

- Ans**
- ☐ 1. Central Program Unit
 - ☒ 2. Central Processing Unit
 - ☐ 3. Control Processing Unit
 - ☐ 4. Computer Processing Unit

Q.15 Which of the following is the correct terminology for the gap between two neurons where they communicate?

- Ans**
- ☒ 1. Synaptic cleft
 - ☐ 2. Axonal gap
 - ☐ 3. Dendritic cleft
 - ☐ 4. Node gap

Q.16 _____ is a classical dance form characterised by elaborate facial makeup, colourful costumes, and themes from Hindu epics, mainly performed by male dancers.

- Ans**
- ☐ 1. Mohiniyattam
 - ☒ 2. Kathakali
 - ☐ 3. Bharatanatyam
 - ☐ 4. Kathak

Q.17 Which type of reaction is involved in the rusting of iron?

- Ans**
- ☐ 1. Displacement
 - ☒ 2. Redox
 - ☐ 3. Combination
 - ☐ 4. Decomposition

Q.18 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. ABG Shipyard Ltd., Mumbai
 - ☐ 3. Goa Shipyard Limited
 - ☒ 4. Hindustan Shipyard Ltd., Visakhapatnam

Q.19 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. Kharif 1998-1999
 - ☐ 2. Rabi 2005-2006
 - ☐ 3. Kharif 2001-2002
 - ☒ 4. Rabi 1999-2000

Q.20 Who among the following was the first Indian athlete to win an Olympic gold medal?

- Ans**
- ☐ 1. Neeraj Chopra
 - ☒ 2. Abhinav Bindra
 - ☐ 3. Milkha Singh
 - ☐ 4. KD Jadhav

Q.21 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.22 During the Revolt of 1857, Rani Laxmibai led the rebellion from:

- Ans**
- ☐ 1. Awadh
 - ☐ 2. Faizabad
 - ☐ 3. Kanpur
 - ☒ 4. Jhansi

Q.23 Which of the following cases CANNOT be taken up by a Lok Adalat?

- Ans**
- ☐ 1. Land acquisition cases
 - ☐ 2. Motor accident claims
 - ☒ 3. Non-compoundable criminal offences
 - ☐ 4. Divorce disputes under mutual consent

Q.24 Seasonal unemployment is common in rural economies. Which sector in India experiences the most seasonal unemployment?

- Ans**
- ☐ 1. Manufacturing
 - ☐ 2. Transport
 - ☐ 3. Information technology
 - ☒ 4. Agriculture

Q.25 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. Cyclonic high over land
 - ☐ 4. High pressure over land

Q.26 Which city hosted the inaugural World Audio Visual & Entertainment Summit (WAVES) in May 2025?

- Ans**
- ☐ 1. Chennai
 - ☒ 2. Mumbai
 - ☐ 3. Hyderabad
 - ☐ 4. Bengaluru

Q.27 Which Constitutional Amendment added the words 'Socialist', 'Secular' and 'Integrity' to the Preamble of the Indian Constitution?

- Ans**
- ☐ 1. 38th Amendment
 - ☒ 2. 42nd Amendment
 - ☐ 3. 44th Amendment
 - ☐ 4. 52nd Amendment

Q.28 Which memory is non-volatile, meaning it retains data even after the computer is turned off?

- Ans**
- ☐ 1. RAM
 - ☐ 2. Cache Memory
 - ☐ 3. Virtual Memory
 - ☒ 4. ROM

Q.29 Who among the following was conferred with a Padma Vibhushan Award 2025 (Posthumous) in the field of literature in April 2025?

- Ans**
- ☐ 1. Dr. Duvvur Nageshwar Reddy
 - ☐ 2. Shri Nandamuri Balakrishna
 - ☐ 3. Shri Shekhar Kapur
 - ☒ 4. Shri MT Vasudevan Nair

Q.30 Which type of natural vegetation in India is known for forests with hardwood trees such as sal, teak, and bamboo?

- Ans**
- ☐ 1. Thorn forests
 - ☒ 2. Tropical deciduous forests
 - ☐ 3. Tropical evergreen forests
 - ☐ 4. Montane forests

Q.31 The International Date Line approximately follows which meridian?

- Ans**
- ☐ 1. 0°
 - ☒ 2. 180°
 - ☐ 3. 90° E
 - ☐ 4. 75° W

Q.32 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. 12 characters
 - ☐ 2. 6 characters
 - ☐ 3. 8 characters
 - ☒ 4. 10 characters

Q.33 After his election as the first American pope, what papal name did Cardinal Robert Prevost choose?

- Ans**
- ☒ 1. Pope Leo XIV
 - ☐ 2. Pope Francis II
 - ☐ 3. Pope Benedict XVII
 - ☐ 4. Pope John XXIV

Q.34 Which farming type involves small landholdings, simple tools, and production mainly consumed by farmers and their families in India?

- Ans**
- ☐ 1. Commercial farming
 - ☐ 2. Plantation farming
 - ☒ 3. Subsistence farming
 - ☐ 4. Commercial grain farming

Q.35 Which of the following substances is classified as an elastomer?

- Ans**
- ☒ 1. Tissue of Aorta
 - ☐ 2. Tissue in Pancreas
 - ☐ 3. Tissue in Kidney
 - ☐ 4. Tissue in Veins

Q.36 Who introduced the Permanent Settlement in British India?

- Ans**
- ☒ 1. Lord Cornwallis
 - ☐ 2. Lord Wellesley
 - ☐ 3. Thomas Munro
 - ☐ 4. Lord Dalhousie

Q.37 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. Ekta Pradeep Dey
 - ☐ 2. Garima Yadav
 - ☐ 3. Chaitali Borekar
 - ☒ 4. Parul Chaudhary

Q.38 What is a key obligation of citizens toward fellow citizens and society?

- Ans**
- ☒ 1. Participate morally and socially, not just legally
 - ☐ 2. Serve in the military automatically and responsibly
 - ☐ 3. Maintain political silence responsibly
 - ☐ 4. Pay higher taxes than others

Q.39 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. 4 years
 - ☐ 2. 2 years
 - ☒ 3. 3 years
 - ☐ 4. 5 years

Q.40 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. 1925
 - ☐ 2. 1920
 - ☒ 3. 1921
 - ☐ 4. 1922

Section : Mathematics

Q.1 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. ₹70,200
 - ☐ 3. ₹70,391
 - ☐ 4. ₹70,243

Q.2 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. 86°
 - ☐ 2. 93°
 - ☐ 3. 90°
 - ☐ 4. 100°

Q.3 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.4 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. 53.6
 - ☐ 2. 50.6
 - ☐ 3. 52.6
 - ☒ 4. 51.6

Q.5 Find the mean proportional of 490 and 10.

- Ans
- ☐ 1. 68
 - ☐ 2. 71
 - ☒ 3. 70
 - ☐ 4. 67

Q.6 If $\cot^2 \theta = \frac{1}{(1-a^2)}$, $|a| < 1$, and θ is an acute angle, then find the value

- Ans
- ☐ 1. $(a^2 - 8)$
 - ☐ 2. $(4 - a^2)$
 - ☐ 3. $(2 - a^{\frac{3}{2}})$
 - ☒ 4. $(2 - a^2)^{\frac{3}{2}}$

Q.7 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 4 months.

- Ans**
- ☐ 1. ₹16
 - ☒ 2. ₹192
 - ☐ 3. ₹32
 - ☐ 4. ₹36

Q.8 By how much is 65% of 55 greater than $\frac{2}{5}$ of 15?

- Ans**
- ☐ 1. 26.75
 - ☒ 2. 29.75
 - ☐ 3. 23.75
 - ☐ 4. 27.75

Q.9 Evaluate: $(-9) - (-60) \div (-10) + (-2) \times 7$

- Ans**
- ☐ 1. -32
 - ☒ 2. -29
 - ☐ 3. -28
 - ☐ 4. -31

Q.10 The selling price of 50 books is equal to the cost price of 16 books. Find the loss or gain percentage.

- Ans**
- ☐ 1. 68% gain
 - ☐ 2. $\frac{100}{34}\%$ gain
 - ☒ 3. 68% loss
 - ☐ 4. $\frac{100}{34}\%$ loss

Q.11 The sum of two numbers is 84 and their L.C.M. is 120. What are the two numbers?

- Ans**
- ☐ 1. 53, 31
 - ☐ 2. 58, 26
 - ☐ 3. 65, 19
 - ☒ 4. 60, 24

Q.12 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. 160 minutes
 - ☒ 2. 96 minutes
 - ☐ 3. 192 minutes
 - ☐ 4. 144 minutes

Q.13 Find the value of: $[616 \div \{26 + 9 \times (5 - 7)\}]$.

- Ans**
- ☐ 1. 79
 - ☐ 2. 78
 - ☐ 3. 82
 - ☒ 4. 77

Q.14 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. 10.82
 - ☐ 2. 8.46
 - ☐ 3. 10.42
 - ☒ 4. 9.24

Q.15 The value of $\frac{5}{2} + \left(\frac{1}{1 + \frac{3}{8}} \right) - \frac{5}{3}$ is

- Ans**
- ☐ 1. $\frac{113}{72}$
 - ☐ 2. $\frac{95}{69}$
 - ☐ 3. $\frac{106}{59}$
 - ☒ 4. $\frac{103}{66}$

Q.16 The LCM of the numbers 5.1 and 0.102 is:

- Ans**
- ☐ 1. 51
 - ☐ 2. 0.051
 - ☐ 3. 0.51
 - ☒ 4. 5.1

Q.17 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. 4
 - ☒ 2. 6
 - ☐ 3. 10
 - ☐ 4. 5

Q.18 The product of two consecutive natural numbers is 600. The greater of the two numbers is:

- Ans**
- ☐ 1. 40
 - ☐ 2. 31
 - ☒ 3. 25
 - ☐ 4. 16

Q.19 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. ₹815
 - ☒ 2. ₹814
 - ☐ 3. ₹811
 - ☐ 4. ₹816

Q.20 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. 7%
 - ☐ 2. 8%
 - ☒ 3. 6%
 - ☐ 4. 5%

Q.21 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. 2 km/hr
 - ☐ 2. 11 km/hr
 - ☐ 3. 9 km/hr
 - ☐ 4. 12 km/hr

Q.22 A product is marked at ₹7,500. Two successive discounts of 8% and 5% are offered. What is the final selling price?

- Ans**
- ☐ 1. ₹5,125
 - ☐ 2. ₹5,655
 - ☒ 3. ₹6,555
 - ☐ 4. ₹4,525

Q.23 The simple interest on a certain sum for $4\frac{1}{5}$ years at the rate of 2.5%

What will be the amount payable on the same sum at the rate of 8.1%



- Ans**
- ☐ 1. ₹1,46,416
 - ☐ 2. ₹1,46,429
 - ☒ 3. ₹1,46,420
 - ☐ 4. ₹1,46,404

Q.24 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.25 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. 1.64 km
 - ☒ 2. 1.24 km
 - ☐ 3. 0.34 km
 - ☐ 4. 0.62 km

Q.26 On a marked price of ₹5,000, a dealer offers successive discounts of 10% and 5%. Find the selling price.

- Ans**
- ☐ 1. ₹4,280
 - ☒ 2. ₹4,275
 - ☐ 3. ₹4,320
 - ☐ 4. ₹4,250

Q.27 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. $3\frac{5}{19}$ hours

☒ 2. $5\frac{5}{19}$ hours

☐ 3. $2\frac{5}{19}$ hours

☐ 4. $11\frac{5}{19}$ hours

Q.28 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. 10116

☐ 2. 7868

☐ 3. 5620

☒ 4. 23604

Q.29 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. 84 cm^2

☐ 2. 82 cm^2

☒ 3. 79 cm^2

☐ 4. 87 cm^2

Q.30 Which of the following numbers divides 54,10,96,943?

Ans

☐ 1. 87

☒ 2. 97

☐ 3. 103

☐ 4. 107

Section : General Intelligence and Reasoning

Q.1 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. Four

☐ 2. Three

☐ 3. One

☒ 4. Two

Q.2 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. 92 km towards east
 - ☒ 2. 84 km towards south
 - ☒ 3. 90 km towards west
 - ☒ 4. 87 km towards east

Q.3 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. fk
 - ☒ 2. mb
 - ☒ 3. jt
 - ☒ 4. tb

Q.4 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. 6
 - ☒ 2. 4
 - ☒ 3. 7
 - ☒ 4. 1

Q.5 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. 11
 - ☒ 2. 13
 - ☒ 3. 12
 - ☒ 4. 10

Q.6 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. VDQ 43
 - ☒ 3. WER 43
 - ☒ 4. VER 42

- Q.7** 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. Neither conclusion (I) nor (II) follows.
☒ 3. Both conclusions (I) and (II) follow.
☒ 4. Only conclusion (I) follows.

- 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) 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. 4
☒ 2. 5
☒ 3. 3
☒ 4. 2

- 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. OJL
☒ 2. ZTW
☒ 3. IDF
☒ 4. CXZ

- Q.10** 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. QNVR
☒ 2. NQRV
☒ 3. NQVR
☒ 4. QNRV

- 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. ICWS
☒ 2. NHBX
☒ 3. KFYU
☒ 4. DXRN

Q.12 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. Father's brother
 - ☐ 3. Mother's brother
 - ☐ 4. Father

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.

ABLE - BLAE - ELBA
ITEM - TEIM - METI

- Ans**
- ☒ 1. SLOT - LOST - TOLS
 - ☐ 2. OPEN - OEPN - NEPO
 - ☐ 3. SACK - ASCK - KACS
 - ☐ 4. CAME - AMCE - AMEC

Q.14 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. 2
 - ☐ 2. 4
 - ☐ 3. 3
 - ☒ 4. 5

Q.15 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. TIXA
 - ☐ 2. TAXI
 - ☐ 3. TXSW
 - ☒ 4. TXAI

Q.16 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. WCP
 - ☐ 2. WSP
 - ☒ 3. WPC
 - ☐ 4. WPS

Q.17 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. East
 - ☒ 2. North
 - ☐ 3. West
 - ☐ 4. South

Q.18 What should come in place of the question mark (?) in the given series?

56 58 63 73 90 ?

- Ans
- ☐ 1. 112
 - ☐ 2. 115
 - ☐ 3. 114
 - ☒ 4. 116

Q.19 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. 6
 - ☐ 2. 10
 - ☐ 3. 14
 - ☐ 4. 4

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 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.21 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. Four
 - ☐ 3. One
 - ☐ 4. Two

Q.22 What should come in place of the question mark (?) in the given series?

890 891 893 896 900 ?

- Ans
- ☐ 1. 906
 - ☐ 2. 903
 - ☐ 3. 904
 - ☒ 4. 905

Q.23 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. 5
 - ☐ 2. 6
 - ☒ 3. 8
 - ☐ 4. 4

Q.24 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. Two
 - ☐ 2. Four
 - ☐ 3. Three
 - ☐ 4. One

Q.25 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. 263
 - ☐ 2. 264
 - ☐ 3. 236
 - ☐ 4. 226

Q.26 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. 288, 180
 - ☐ 2. 240, 124
 - ☐ 3. 255, 159
 - ☒ 4. 272, 166

Q.27 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. 9
 - ☐ 2. 12
 - ☐ 3. 7
 - ☒ 4. 10

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 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-KN
 - ☒ 2. EH-GJ
 - ☒ 3. PS-RU
 - ☒ 4. YB-ZF

Q.30 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. 31
 - ☒ 2. 33
 - ☒ 3. 35
 - ☒ 4. 37



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



Test Center Name	iON Digital Zone iDZ 2 Sector 62
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 In 2025, which organisation has developed a new nanoporous multilayered polymeric membrane for high-pressure seawater desalination?

- Ans**
- ☒ 1. Indian Institute of Science
 - ☒ 2. Defence Research & Development Organisation
 - ☒ 3. Council of Scientific and Industrial Research
 - ☒ 4. Bharat Heavy Electricals Limited

Q.2 Which Article of the Indian Constitution mentions the Council of Ministers to aid and advise the President?

- Ans**
- ☒ 1. Article 76
 - ☒ 2. Article 85
 - ☒ 3. Article 80
 - ☒ 4. Article 74

Q.3 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. 1997
 - ☒ 4. 1994

Q.4 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. Maharashtra
 - ☒ 2. Haryana
 - ☒ 3. Delhi
 - ☒ 4. Puducherry

Q.5 Gandhiji gave a call for a satyagraha against the Rowlatt Act in which of the following years?

- Ans**
- ☒ 1. 1919
 - ☐ 2. 1930
 - ☐ 3. 1922
 - ☐ 4. 1915

Q.6 In 2025, the United Nations called for peace talks between which two countries after missile exchanges intensified their long-standing conflict?

- Ans**
- ☐ 1. North Korea and South Korea
 - ☐ 2. India and Sri Lanka
 - ☐ 3. Russia and Ukraine
 - ☒ 4. Israel and Iran

Q.7 Vembanad Lake, India's longest lake facing severe degradation, is located in which state?

- Ans**
- ☒ 1. Kerala, known for its backwaters and lagoons
 - ☐ 2. West Bengal, near the Sundarban mangrove forests
 - ☐ 3. Odisha, famous for Chilika Lake ecosystem
 - ☐ 4. Assam, home to the Brahmaputra river basin

Q.8 Which foreign trade relation was badly affected when Byzantium learned silk production in the 6th century CE?

- Ans**
- ☒ 1. Indo-Byzantine trade
 - ☐ 2. Indo-Roman trade
 - ☐ 3. Indo-Arab trade
 - ☐ 4. Indo-Persian trade

Q.9 Which of the following Directive Principles of State Policy is provided under Article 40 of the Indian Constitution?

- Ans**
- ☐ 1. Organisation of agriculture and animal husbandry
 - ☐ 2. Promotion of cottage industries in rural areas
 - ☐ 3. Provision for a uniform civil code
 - ☒ 4. Organisation of village panchayats

Q.10 Climatic maps are primarily based on data related to:

- Ans**
- ☐ 1. industrial zones
 - ☒ 2. temperature and rainfall
 - ☐ 3. population growth
 - ☐ 4. soil moisture content only

Q.11 In which year was India's first operational six-lane expressway, the approximately 95 km long Mumbai-Pune Expressway, inaugurated?

- Ans**
- ☐ 1. 2004
 - ☒ 2. 2002
 - ☐ 3. 2000
 - ☐ 4. 1998

Q.12 Which of the following is a classification of economic activities undertaken by the Central Statistical Organisation (CSO) in India?

- Ans**
- ☐ 1. Industrial Classification Structure-2005
 - ☒ 2. National Industrial Classification-1998
 - ☐ 3. National Code for Agriculture and Industrial Classification-2009
 - ☐ 4. Classification Code of India-2000

Q.13 Which of the following is an example of plasticity in plants?

- Ans**
- ☐ 1. Phototropism
 - ☒ 2. Heterophylly
 - ☐ 3. Vernalisation
 - ☐ 4. Photoperiodism

Q.14 Which of the following elements has the largest atomic radius?

- Ans**
- ☐ 1. K
 - ☐ 2. Na
 - ☐ 3. Li
 - ☒ 4. Rb

Q.15 What is the function of the Alt + F4 shortcut?

- Ans**
- ☐ 1. Saves the document
 - ☒ 2. Closes the current window or application
 - ☐ 3. Refreshes the browser
 - ☐ 4. Opens a new window

Q.16 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. NITI Aayog
 - ☒ 2. NSO (National Statistical Office)
 - ☐ 3. RBI (Reserve Bank of India)
 - ☐ 4. Ministry of Labour and Employment

Q.17 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. Lesley Manville
 - ☐ 4. Helena Bonham Carter

Q.18 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. Aggyeya
 - ☒ 2. Kabir
 - ☐ 3. Bal Krishna Sharma Naveen
 - ☐ 4. Ramdhari Singh Dinkar

- Q.19** Who among the following is a famous Indian classical dancer known for popularising Bharatanatyam globally?
- Ans** ☒ 1. Hema Malini
☒ 2. Mallika Sarabhai
☒ 3. Rukmini Devi Arundale
☒ 4. Sonal Mansingh
- Q.20** 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. Mallika Sarabhai
☒ 3. Rukmini Devi
☒ 4. Kumudini Lakhia
- Q.21** Which river rises in the Gangotri glacier near Gaumukh (3,900 m) in the Uttarkashi district?
- Ans** ☒ 1. Bhagirathi river
☒ 2. Chenab river
☒ 3. Yamuna river
☒ 4. Son river
- Q.22** 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. Promoting space exploration
☒ 3. Increasing tax rates
☒ 4. Exporting digital gadgets
- Q.23** 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 empowers states to establish tribunals for local governance.
☒ 3. It allows the creation of tribunals only for the armed forces.
☒ 4. It restricts tribunals to environmental cases only.
- Q.24** On which river is the Bhakra Nangal Dam constructed?
- Ans** ☒ 1. Yamuna
☒ 2. Ravi
☒ 3. Ganga
☒ 4. Satluj
- Q.25** Which country retained the top spot for the second consecutive year in the Henley Passport Index released in January 2025?
- Ans** ☒ 1. Singapore
☒ 2. South Korea
☒ 3. Japan
☒ 4. Germany
- Q.26** What was a major challenge faced by the Indian manufacturing sector after liberalisation?
- Ans** ☒ 1. Increased competition from cheaper imports
☒ 2. Shortage of raw materials
☒ 3. High industrial licensing fees
☒ 4. Decline in capital inflow

Q.27 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. The Himalayas stop all monsoon rainfall.
 - ✗ 3. Monsoon winds blow equally everywhere.
 - ✗ 4. Southern states alone receive all rainfall.

Q.28 Which of the following elements belongs to the s-block of the periodic table?

- Ans**
- ✗ 1. Iron
 - ✓ 2. Calcium
 - ✗ 3. Uranium
 - ✗ 4. Chlorine

Q.29 Which Article was inserted into the Constitution by the 103rd Amendment Act to provide for EWS reservation?

- Ans**
- ✓ 1. Article 15(6) and 16(6)
 - ✗ 2. Article 21C and 22A
 - ✗ 3. Article 14A and 16A
 - ✗ 4. Article 18A and 19A

Q.30 Which of the following subjects falls under the Concurrent List?

- Ans**
- ✗ 1. Banking
 - ✗ 2. Police
 - ✓ 3. Criminal law
 - ✗ 4. Defence

Q.31 Which of the following Articles deals with the Right against Exploitation?

- Ans**
- ✗ 1. Articles 25–28
 - ✓ 2. Articles 23–24
 - ✗ 3. Articles 31–32
 - ✗ 4. Articles 29–30

Q.32 Who among the following Mughal rulers is considered to be the last powerful Mughal ruler?

- Ans**
- ✗ 1. Shah Jahan
 - ✗ 2. Bahadur Shah Zafar
 - ✓ 3. Aurangzeb
 - ✗ 4. Dara Shukoh

Q.33 The Faraizi Movement was a religious reform movement of the 19th century in _____.

- Ans**
- ✗ 1. Gujarat
 - ✗ 2. Rajasthan
 - ✗ 3. Maharashtra
 - ✓ 4. Bengal

Q.34 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. IN-SPACe
 - ✗ 2. SAMARQAND
 - ✓ 3. Telecom Centres of Excellence (TCoE)-India
 - ✗ 4. MeitY FutureNET

Q.35 In which year was the Second Pay Commission appointed in India?

- Ans**
- ☐ 1. 1965
 - ☐ 2. 1950
 - ☐ 3. 1962
 - ☒ 4. 1957

Q.36 Buddha Purnima was celebrated on which date in 2025?

- Ans**
- ☒ 1. 12 May
 - ☐ 2. 23 March
 - ☐ 3. 10 April
 - ☐ 4. 19 February

Q.37 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. Massachusetts Institute of Technology
 - ☒ 2. Harvard University
 - ☐ 3. University College London
 - ☐ 4. University of Toronto

Q.38 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 Youth Affairs and Sports
 - ☐ 2. Ministry of Social Justice and Empowerment
 - ☐ 3. Ministry of Health and Family Welfare
 - ☐ 4. Ministry of Law and Justice

Q.39 Which key is used to rename a file or folder in Windows?

- Ans**
- ☐ 1. CTRL + N
 - ☐ 2. F5
 - ☐ 3. ESC + N
 - ☒ 4. F2

Q.40 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. 50%
 - ☐ 2. 60%
 - ☐ 3. 30%
 - ☐ 4. 40%

Section : Mathematics

Q.1 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 6 months.

- Ans**
- ☐ 1. ₹288
 - ☐ 2. ₹44
 - ☐ 3. ₹48
 - ☒ 4. ₹24

Q.2 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. 23
☐ 2. 25
☐ 3. 28
☐ 4. 20

Q.3 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. 6.48%
☐ 2. 8.55%
☒ 3. 7.88%
☐ 4. 5.76%

Q.4 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. $\frac{37}{30}$
☐ 4. $\frac{46}{33}$

Q.5 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. ₹347
☒ 2. ₹348
☐ 3. ₹351
☐ 4. ₹345

Q.6 The sum of two numbers is 52 and their LCM is 651. The two numbers are:

- Ans** ☒ 1. 31, 21
☐ 2. 24, 28
☐ 3. 36, 16
☐ 4. 29, 23

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. 26
☐ 2. 30
☒ 3. 24
☐ 4. 28

Q.8 The LCM of the numbers 2.6 and 0.084 is:

- Ans**
- ☐ 1. 546
 - ☒ 2. 54.6
 - ☐ 3. 0.546
 - ☐ 4. 5.46

Q.9 Simplify the following:

$$\frac{1 + \cot^2 \theta}{1 + \tan^2 \theta}$$

- Ans**
- ☐ 1. $\tan^2 \theta - 1$
 - ☒ 2. $\operatorname{cosec}^2 \theta - 1$
 - ☐ 3. $\sec^2 \theta - 1$
 - ☐ 4. $\cot^2 \theta - 1$

Q.10 The selling price of 40 books is equal to the cost price of 30 books. Find the loss or gain percentage.

- Ans**
- ☐ 1. $\frac{100}{10} \% \text{ gain}$
 - ☐ 2. 25% gain
 - ☐ 3. $\frac{100}{10} \% \text{ loss}$
 - ☒ 4. 25% loss

Q.11 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. 6
 - ☒ 2. 12
 - ☐ 3. 15
 - ☐ 4. 9

Q.12 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.13 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. 404 : 716
 - ☒ 2. 400 : 711
 - ☐ 3. 396 : 709
 - ☐ 4. 399 : 706

Q.14 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. ₹43
 - ☐ 2. ₹44
 - ☐ 3. ₹46
 - ☒ 4. ₹45

Q.15 Pipe P can fill $\frac{2}{9}$ part of a tank in 20 hours, and pipe Q can fill $\frac{5}{9}$ part. Both P and Q were kept open for 3 hours, then both were closed. Pipe R emptied the water in the tank in 8 hours. Pipes P, Q and R together

- Ans
- ☐ 1. 29 hours
 - ☐ 2. 42 hours
 - ☐ 3. 41 hours
 - ☒ 4. 24 hours

Q.16 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. 14
 - ☐ 2. 18
 - ☒ 3. 20
 - ☐ 4. 19

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. 44,000
 - ☒ 2. 40,400
 - ☐ 3. 45,400
 - ☐ 4. 44,500

Q.18 A number when increased by 100% gives 2760. The number is:

- Ans
- ☐ 1. 690
 - ☐ 2. 2760
 - ☐ 3. 4140
 - ☒ 4. 1380

Q.19 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. 11.75
 - ☐ 3. 13.4
 - ☐ 4. 15.92

Q.20 The value of $3^2 + \sqrt{4^2} - 5\sqrt{81} - 4$ is

- Ans
- ☐ 1. -41
 - ☒ 2. -36
 - ☐ 3. -32
 - ☐ 4. -42

Q.21 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. ₹169
 - ☐ 2. ₹162
 - ☐ 3. ₹161
 - ☒ 4. ₹166

Q.22 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.

Q.23 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 108^\circ$, then $\angle ACD$ (in degree)?

- Ans
- ☒ 1. 84
 - ☐ 2. 82
 - ☐ 3. 92
 - ☐ 4. 75

Q.24 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. 17%
 - ☒ 2. 14%
 - ☐ 3. 16%
 - ☐ 4. 12%

Q.25 Which of the following numbers divides 488309139?

- Ans
- ☐ 1. 13
 - ☒ 2. 9
 - ☐ 3. 10
 - ☐ 4. 11

Q.26 Find the surface area of a sphere whose diameter is equal to 64 cm.

- Ans
- ☐ 1. $3994\pi \text{ cm}^2$
 - ☐ 2. $4171\pi \text{ cm}^2$
 - ☐ 3. $4044\pi \text{ cm}^2$
 - ☒ 4. $4096\pi \text{ cm}^2$

Q.27 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. $\frac{985}{17}\%$ profit

✓ 2. $\frac{975}{17}\%$ loss

✗ 3. $\frac{975}{17}\%$ profit

✗ 4. 975 % loss

Q.28 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. ₹42,441

✗ 4. ₹42,561

Q.29 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. 34.91

✗ 2. 35.91

✗ 3. 32.91

✓ 4. 33.91

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. $4\frac{724}{743}$ hours

✗ 2. $1\frac{724}{743}$ hours

✗ 3. $2\frac{724}{743}$ hours

✗ 4. $5\frac{724}{743}$ hours

Section : General Intelligence and Reasoning

Q.1 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. B

✗ 2. O

✗ 3. D

✓ 4. C

Q.2 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. 9
 - ☒ 2. 6
 - ☒ 3. 2
 - ☒ 4. 8

Q.3 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.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. 102
 - ☒ 2. 101
 - ☒ 3. 103
 - ☒ 4. 104

Q.5 What should come in place of the question mark (?) in the given series?
57, 63, 71, 81, 93, ?

- Ans**
- ☒ 1. 170
 - ☒ 2. 105
 - ☒ 3. 107
 - ☒ 4. 154

Q.6 Farooq ranked 28th from the top and 35th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 61
 - ☒ 2. 62
 - ☒ 3. 63
 - ☒ 4. 60

Q.7 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. HUNT - HNUT - TNUH
 - ☒ 2. FROG - RFOG - ROGF
 - ☒ 3. OILS - IOLS - SILO
 - ☒ 4. BEAM - EBAM - BAME

Q.8 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. IA 1
 - ☒ 2. JB 1
 - ☒ 3. IB 3
 - ☒ 4. JA 3

Q.9 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. 4
 - ☐ 2. 3
 - ☐ 3. 1
 - ☒ 4. 2

Q.10 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. 110
 - ☐ 3. 129
 - ☒ 4. 134

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

12 21 38 79 160 ?

- Ans**
- ☐ 1. 279
 - ☒ 2. 297
 - ☐ 3. 291
 - ☐ 4. 219

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) 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. 3
 - ☐ 3. 1
 - ☐ 4. 4

Q.13 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. Father's brother
 - ☐ 2. Mother's father
 - ☒ 3. Brother
 - ☐ 4. Mother's brother

Q.14 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. 35, 326

☒ 2. 14, 122

☒ 3. 43, 387

☒ 4. 22, 216

Q.15 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. R

☒ 2. S

☒ 3. M

☒ 4. O

Q.16 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. Only conclusion (I) follows.

☒ 3. Neither conclusion (I) nor (II) follows.

☒ 4. Only conclusion (II) follows.

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 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. Only conclusion (I) follows.

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

☒ 3. Both conclusions (I) and (II) follow.

☒ 4. Only conclusion (II) follows.

Q.18 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. Three
 - ☐ 2. Four
 - ☐ 3. Two
 - ☒ 4. None

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

1 2 4 7 11 ?

- Ans**
- ☒ 1. 16
 - ☐ 2. 18
 - ☐ 3. 15
 - ☐ 4. 17

Q.20 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. 6
 - ☒ 3. 12
 - ☐ 4. 8

Q.21 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. 3 km towards the north
 - ☐ 2. 5 km towards the east
 - ☐ 3. 8 km towards the south
 - ☒ 4. 3 km towards the west

Q.22 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. DOSE - ODSE - EOSD
 - ☒ 2. BORN - NBRO - BNOR
 - ☐ 3. PAGE - EPAG - AGEF
 - ☐ 4. PAWN - NPWA - PANW

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. GB-EJ
☐ 2. LG-JN
☐ 3. OJ-MQ
☐ 4. JE-HL

Q.24 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. ULR 16
☐ 3. PHR 13
☐ 4. VXL 19

Q.25 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. One
☐ 2. None
☐ 3. Two
☐ 4. Three

Q.26 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. 6 km to the West
☐ 2. 5 km to the North
☐ 3. 7 km to the West
☒ 4. 4 km to the North

Q.27 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. XTQ
☒ 2. IEA
☐ 3. FBY
☐ 4. RNK

Q.28 If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$20 \div 55 \times 5 + 7 - 4 = ?$

- Ans** ☐ 1. 13
☒ 2. 3
☐ 3. 17
☐ 4. 8

Q.29 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. 7
 - ☒ 2. 3
 - ☐ 3. 5
 - ☐ 4. 1

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. KNZ
 - ☐ 2. OQK
 - ☐ 3. TVP
 - ☐ 4. LNH



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



Test Center Name	ION Digital Zone iDZ Madhyamgram
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which system of land tenure prevalent before independence led to exploitation of farmers?

- Ans**
- ☐ 1. Mahalwari system
 - ☐ 2. Ryotwari system
 - ☐ 3. Cooperative farming
 - ☒ 4. Zamindari system

Q.2 Which statutory body organised a two-day National Conference on 'Environment - 2025' at Vigyan Bhawan, New Delhi, in March 2025?

- Ans**
- ☐ 1. National Biodiversity Authority
 - ☒ 2. National Green Tribunal
 - ☐ 3. Central Pollution Control Board
 - ☐ 4. Central Ground Water Authority

Q.3 What does the term 'satyagraha' primarily mean in Gandhian philosophy for mass mobilisation and India's struggle for freedom during colonial rule?

- Ans**
- ☐ 1. Passive resistance
 - ☒ 2. Truth-force
 - ☐ 3. Non-cooperation
 - ☐ 4. Civil disobedience

Q.4 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.5 Which of the following best describes the role of the Control Unit within the Central Processing Unit?

- Ans**
- ☐ 1. It stores data and instructions temporarily during processing.
 - ☐ 2. It displays the processed output to the user.
 - ☒ 3. It directs and coordinates the activities of all components of the computer.
 - ☐ 4. It performs all mathematical and logical calculations.

Q.6 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. 545
 - ☐ 2. 345
 - ☐ 3. 245
 - ☒ 4. 445

Q.7 Which of the following substances constitutes the primary material of the "Mother Goddess" sculpture originating from the Indus Valley Civilisation?

- Ans**
- ☐ 1. Steatite
 - ☐ 2. Limestone
 - ☒ 3. Terracotta
 - ☐ 4. Bronze

Q.8 How does deforestation lead to desertification?

- Ans**
- ☒ 1. It removes the top fertile soil layer, exposing hard, rocky layers.
 - ☐ 2. It increases rainfall in dry regions.
 - ☐ 3. It increases humus in the soil.
 - ☐ 4. It reduces soil erosion.

Q.9 Which of the following steps allows you to create a new folder on the desktop in Windows?

- Ans**
- ☒ 1. Right-click → New → Folder
 - ☐ 2. Press Ctrl + Alt + Del
 - ☐ 3. Go to Task Manager
 - ☐ 4. Open Notepad

Q.10 Which country signed a contract with India in April 2025 to supply 26 Rafale Marine fighter jets?

- Ans**
- ☐ 1. Russia
 - ☐ 2. United States
 - ☐ 3. United Kingdom
 - ☒ 4. France

Q.11 As of 2024, who among the following holds the national record in women's weightlifting (49 kg category) in India?

- Ans**
- ☐ 1. Karnam Malleswari
 - ☒ 2. Saikhom Mirabai Chanu
 - ☐ 3. Punam Yadav
 - ☐ 4. Sanjita Chanu

Q.12 Which tax was introduced in July 2017 to replace multiple indirect taxes in India as part of fiscal reforms?

- Ans**
- ☒ 1. GST
 - ☐ 2. Sales Tax
 - ☐ 3. Excise Duty
 - ☐ 4. Income Tax

Q.13 Who obtained the first accurate value of the speed of light using a rotating mirror apparatus in 1862?

- Ans**
- ☐ 1. Albert A Michelson
 - ☐ 2. Marie Alfred Alen Cornu
 - ☒ 3. Jean Bernard Léon Foucault
 - ☐ 4. Charles Wheatstone

Q.14 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 President dismisses only the targeted minister.
 - ☒ 2. The entire Council of Ministers must resign.
 - ☐ 3. Only the targeted minister must resign.
 - ☐ 4. The Lok Sabha is immediately dissolved.

Q.15 In a chemical reaction, the substances that are initially present before the reaction starts are called ____.

- Ans**
- ☒ 1. reactants
 - ☐ 2. intermediates
 - ☐ 3. products
 - ☐ 4. catalysts

Q.16 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. 60 days
 - ☒ 3. 30 days
 - ☐ 4. 90 days

Q.17 Which of the following space agencies successfully docked the SpaDeX satellite in January 2025?

- Ans**
- ☐ 1. European Space Agency
 - ☒ 2. Indian Space Research Organisation
 - ☐ 3. National Aeronautics and Space Administration
 - ☐ 4. China National Space Administration

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. Asansol
 - ☐ 2. Leh
 - ☐ 3. Siliguri
 - ☒ 4. Tura

Q.19 Who was the first Finance Minister of Independent India?

- Ans**
- ☐ 1. Jairamdas Daulatram
 - ☐ 2. Rafi Ahmed Kidwai
 - ☐ 3. John Mathai
 - ☒ 4. R K Shanmugham Chetty

Q.20 Select the correct statement regarding the National Human Rights Commission (NHRC) of India.

- Ans**
- ☒ 1. It was established in 1993 by an Act of Parliament to investigate and recommend on human rights violations.
 - ☐ 2. It is a constitutional body formed by a Constitutional Amendment, with powers equal to the Supreme Court.
 - ☐ 3. The Chairperson of the NHRC is the Prime Minister of India.
 - ☐ 4. The NHRC has direct powers to prosecute and punish public officials for human rights abuses.

Q.21 When was 'Operation Shield' conducted across India's border states and union territories?

- Ans**
- ☒ 1. 31 May 2025
 - ☐ 2. 29 May 2025
 - ☐ 3. 7 May 2025
 - ☐ 4. 3 June 2025

Q.22 Where was the 2025 Asia-Pacific Economic Cooperation (APEC) Sports Policy Network Roundtable Meeting & Forum held?

- Ans**
- ☒ 1. Japan
 - ☐ 2. Australia
 - ☐ 3. China
 - ☐ 4. South Korea

Q.23 Which of the following was NOT a consequence of the Revolt of 1857?

- Ans**
- ☐ 1. The Governor-General of India was given the title 'Viceroy'.
 - ☐ 2. Policies that favoured zamindars and landlords were struck down.
 - ☒ 3. Lands and properties of Muslims were confiscated en masse.
 - ☐ 4. The strength of Indian soldiers in the army was reduced.

Q.24 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 Finance
 - ☐ 2. Ministry of Personnel, Public Grievances and Pensions
 - ☒ 3. Ministry of Labour and Employment
 - ☐ 4. Ministry of Statistics and Programme Implementation

Q.25 Which initiative, launched in 2025, aims to develop quantum-encrypted communication for tamper-proof defence networks in India?

- Ans**
- ☐ 1. Quantum Leap Program
 - ☐ 2. SecureNet India
 - ☒ 3. National Quantum Mission
 - ☐ 4. National Cyber Security Mission

Q.26 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.27 Which schedule of the Citizenship Act, 1955, contains the qualifications for naturalisation?

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

Q.28 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. Second
 - ☐ 2. Third
 - ☐ 3. Fifth
 - ☒ 4. Fourth

Q.29 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, Chief Minister and State Legislative Assembly members
 - ☐ 4. Governor, Deputy Minister and State Council of Advisors

Q.30 What is the name of ISRO's mission launched in January 2024 to study the polarisation of cosmic X-rays?

- Ans**
- ☐ 1. Aditya-L1
 - ☒ 2. XPoSat
 - ☐ 3. AstroSat
 - ☐ 4. RISAT-1

Q.31 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. Flyovers and expressways
 - ☒ 2. Water irrigation pipelines
 - ☐ 3. Metro rail networks
 - ☐ 4. Public bus systems

Q.32 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.33 What is the most direct impact of poor infrastructure on rural education?

- Ans**
- ☐ 1. Poor mid-day meals
 - ☒ 2. High student absenteeism
 - ☐ 3. Lack of trained teachers
 - ☐ 4. Low awareness about schemes

Q.34 Which Buddhist scripture explicitly states "All dhammas are without self," affirming the doctrine of Anatta?

- Ans**
- ☐ 1. Bhagavati Sutra
 - ☒ 2. Dhammapada
 - ☐ 3. Kalpa Sutra
 - ☐ 4. Uttaradhyayana

Q.35 Where will the 18th edition of Pravasi Bharatiya Divas (PBD) be held in 2025?

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

Q.36 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. $5.67 \times 10^{-8} \text{ Wm}^{-2}\text{K}^{-4}$
 - ☐ 2. $5.17 \times 10^{-9} \text{ Wm}^{-2}\text{K}^{-4}$
 - ☐ 3. $5.91 \times 10^{-7} \text{ Wm}^{-2}\text{K}^{-4}$
 - ☐ 4. $5.35 \times 10^{-10} \text{ Wm}^{-2}\text{K}^{-4}$

Q.37 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. Kathiawar Peninsula
 - ☐ 2. Konkan
 - ☐ 3. Kannad Plain
 - ☒ 4. Malabar Coast

Q.38 During the colonial period, the manufacturing sector accounted for only ____.

- Ans**
- ☐ 1. 5%
 - ☒ 2. 10%
 - ☐ 3. 1%
 - ☐ 4. 16%

Q.39 Recipient of Padma Shri in 2025, Shri Onkar Singh Pahwa, is related to which cycle company of India?

- Ans**
- ☒ 1. Avon Cycles
 - ☐ 2. Atlas Cycles
 - ☐ 3. Hero Cycles
 - ☐ 4. Tata Stryder

Q.40 What does the term 'halocline' refer to in oceanography?

- Ans**
- ☐ 1. A layer with a rapid change in pressure
 - ☐ 2. A zone with the highest oxygen concentration
 - ☒ 3. A layer with a rapid change in salinity
 - ☐ 4. A layer with a rapid change in temperature

Section : Mathematics

Q.1

By how much is 65% of 65 greater than $\frac{1}{5}$ of 55?

- Ans
- ☐ 1. 28.25
 - ☐ 2. 29.25
 - ☒ 3. 31.25
 - ☐ 4. 25.25

Q.2 The number 481355 is divisible by which of the following?

- Ans
- ☐ 1. 3
 - ☒ 2. 5
 - ☐ 3. 15
 - ☐ 4. 6

Q.3 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. 3.04 km
 - ☐ 2. 2.54 km
 - ☐ 3. 2.36 km
 - ☐ 4. 2.46 km

Q.4 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. decrease by ₹2,404
 - ☐ 2. increase by ₹2,404
 - ☐ 3. increase by ₹2,403
 - ☒ 4. decrease by ₹2,406

Q.5 The average of first 147 odd natural numbers, is:

- Ans
- ☐ 1. 148
 - ☐ 2. 147.5
 - ☒ 3. 147
 - ☐ 4. 146.5

Q.6 *The value of $8^2 + \sqrt{3^2} - 2\sqrt{36} - 11$ is*

- Ans
- ☐ 1. 50
 - ☐ 2. 51
 - ☒ 3. 44
 - ☐ 4. 38

Q.7 The selling price of 20 books is equal to the cost price of 36 books. Find the loss or gain percentage.

- Ans
- ☐ 1. $\frac{100}{16}\%$ gain
 - ☐ 2. 80% loss
 - ☐ 3. $\frac{100}{16}\%$ loss
 - ☒ 4. 80% gain

Q.8 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. 900
 - ☐ 2. 920
 - ☐ 3. 884
 - ☐ 4. 924

Q.9 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. $\frac{7}{57}$
 - ☒ 3. $\frac{1}{57}$
 - ☐ 4. $\frac{4}{57}$

Q.10 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.11 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. ₹657
 - ☐ 2. ₹654
 - ☒ 3. ₹655
 - ☐ 4. ₹658

Q.12 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. 288
 - ☐ 2. 388
 - ☐ 3. 268
 - ☐ 4. 338

Q.13 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. 51.4
 - ☐ 2. 52.4
 - ☐ 3. 50.4
 - ☐ 4. 53.4

Q.14 Find the volume of a sphere with diameter 12 cm.

- Ans
- ☐ 1. $256\pi \text{ cm}^3$
 - ☐ 2. $576\pi \text{ cm}^3$
 - ☐ 3. $905\pi \text{ cm}^3$
 - ☒ 4. $288\pi \text{ cm}^3$

Q.15 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. 2,420
 - ☐ 2. 2,204
 - ☐ 3. 2,440
 - ☐ 4. 2,240

Q.16 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. 4.09
 - ☐ 2. 4.27
 - ☒ 3. 2.8
 - ☐ 4. 1.32

Q.17 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. 530 km/hr
 - ☐ 3. 523 km/hr
 - ☐ 4. 528 km/hr

Q.18 Find the number of sides of a regular polygon, each of whose interior angles measures 162° .

- Ans
- ☒ 1. 20
 - ☐ 2. 22
 - ☐ 3. 16
 - ☐ 4. 18

Q.19 The LCM of the numbers 2.8 and 0.217 is:

- Ans
- ☐ 1. 868
 - ☐ 2. 8.68
 - ☒ 3. 86.8
 - ☐ 4. 0.868

Q.20 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. 32
 - ☐ 2. 30
 - ☐ 3. 36
 - ☐ 4. 31

Q.21 Find the value of x satisfying: $5(5x^2 - 5) - 5(5x^2 + 7x - 2) = 14$

- Ans
- ☒ 1. $-\frac{29}{35}$
 - ☐ 2. $-\frac{24}{35}$
 - ☐ 3. $-\frac{39}{35}$
 - ☐ 4. $-\frac{38}{35}$

Q.22 ₹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. ₹7,120
 - ☐ 2. ₹6,968
 - ☐ 3. ₹7,194
 - ☐ 4. ₹7,294

Q.23 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. 59 years
 - ☐ 2. 64 years
 - ☒ 3. 68 years
 - ☐ 4. 58 years

Q.24 Find the mean proportional of 324 and 16.

- Ans
- ☐ 1. 74
 - ☒ 2. 72
 - ☐ 3. 69
 - ☐ 4. 75

Q.25 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. 162
 - ☐ 2. 164
 - ☐ 3. 172
 - ☐ 4. 173

Q.26 The value of $\frac{5}{3} + \left(\frac{1}{1 + \frac{2}{7}} \right) - \frac{2}{3}$ is

- Ans
- ☐ 1. $\frac{26}{17}$
 - ☒ 2. $\frac{16}{9}$
 - ☐ 3. $\frac{8}{13}$
 - ☐ 4. $\frac{12}{7}$

Q.27 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. 32%
 - ☒ 2. 20%
 - ☐ 3. 25%
 - ☐ 4. 30%

Q.28 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. 14 days
 - ☐ 2. 11 days
 - ☐ 3. 19 days
 - ☒ 4. 15 days

Q.29 The sum of two numbers is 44 and their L.C.M. is 459. What are the two numbers?

- Ans**
- ☐ 1. 32, 12
 - ☒ 2. 27, 17
 - ☐ 3. 20, 24
 - ☐ 4. 25, 19

Q.30 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. $\operatorname{cosec}^2\theta \sec^2\theta$
 - ☐ 2. $\sec^2\theta \sin^2\theta$
 - ☐ 3. $\cot^2\theta$
 - ☐ 4. $\cos^2\theta + \sec^2\theta$

Section : General Intelligence and Reasoning

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

Q.2 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. 63, 112

☒ 2. 83, 171

☒ 3. 93, 196

☒ 4. 47, 325

Q.3 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. 6 km to the east

☒ 3. 5 km to the west

☒ 4. 5 km to the east

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.

HAIR - AHIR - RIAH

MEAN - EMAN - NAEM

Ans ☒ 1. DUST - UGST - TSUD

☒ 2. WANT - AWNT - TANW

☒ 3. BOND - BNOD - DNOB

☒ 4. LOCK - OLCK - OCKL

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.

(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. 4

☒ 2. 2

☒ 3. 3

☒ 4. 5

Q.6 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$56 \times 8 - 13 \div 3 + 11 = ?$

Ans ☒ 1. 34

☒ 2. 32

☒ 3. 33

☒ 4. 35

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

1 2 4 8 10 20 22 ?

- Ans**
- ☒ 1. 42
 - ☒ 2. 24
 - ☒ 3. 26
 - ☒ 4. 44

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. TW-VY
 - ☒ 2. RU-TW
 - ☒ 3. AD-CF
 - ☒ 4. EH-GK

Q.9 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. 17
 - ☒ 2. 12
 - ☒ 3. 28
 - ☒ 4. 23

Q.10 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. 97
 - ☒ 4. 99

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

Q.12 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. 12
 - ☒ 2. 10
 - ☒ 3. 8
 - ☒ 4. 7

Q.13 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. BIE
 - ☒ 2. BIP
 - ☒ 3. BIX
 - ☒ 4. BIQ

Q.14 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 east
 - ☒ 2. 4 km towards the west
 - ☒ 3. 3 km towards the east
 - ☒ 4. 3 km towards the west

Q.15 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. Two
 - ☒ 2. Three
 - ☒ 3. None
 - ☒ 4. One

Q.16 What should come in place of the question mark (?) in the given series?

121 117.9 114.8 111.7 108.6 ?

- Ans
- ☒ 1. 106
 - ☒ 2. 107.6
 - ☒ 3. 105.5
 - ☒ 4. 108.2

Q.17 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. IMRP
 - ☒ 2. HMSP
 - ☒ 3. GKSP
 - ☒ 4. HLRQ

Q.18 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. 1
 - ☐ 2. 2
 - ☒ 3. 4
 - ☐ 4. 3

Q.19 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. 9
 - ☐ 2. 5
 - ☐ 3. 2
 - ☐ 4. 4

Q.20 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 (II) follows.
 - ☐ 2. Both conclusions (I) and (II) follow.
 - ☒ 3. Only conclusion (I) follows.
 - ☐ 4. Neither conclusion (I) nor (II) follows.

Q.21 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. V
 - ☐ 2. H
 - ☐ 3. W
 - ☒ 4. J

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. 58
 - ☐ 2. 56
 - ☐ 3. 59
 - ☐ 4. 57

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. LO-QI
☐ 2. RU-WP
☐ 3. UX-ZS
☐ 4. OR-TM

Q.24 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. NGXU
☐ 2. LGYW
☐ 3. OHZV
☒ 4. MHYV

Q.25 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. S
☐ 2. L
☐ 3. O
☒ 4. N

Q.26 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. VEM -10
☐ 2. VFN -8
☒ 3. VEN -10
☐ 4. EFM -8

Q.27 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. 2
☐ 2. 6
☒ 3. 1
☐ 4. 7

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.
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. F
☒ 4. X

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. FI-BC
 - ✗ 2. IL-EG
 - ✗ 3. LO-HJ
 - ✗ 4. PS-LN

Q.30 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. 400
 - ✗ 2. 445
 - ✗ 3. 401
 - ✗ 4. 410



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Test Center Name	iON Digital Zone iDZ Bahadurgarh Patiala
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following Ministries is responsible for granting Indian citizenship by naturalisation?

- Ans**
- ☐ 1. Ministry of Parliamentary Affairs
 - ☐ 2. Ministry of External Affairs
 - ☐ 3. Ministry of Law and Justice
 - ☒ 4. Ministry of Home Affairs

Q.2 Which of the following is the conjugate base of HCl?

- Ans**
- ☐ 1. OH⁻
 - ☒ 2. Cl⁻
 - ☐ 3. H₃O⁺
 - ☐ 4. Cl⁺

Q.3 Which authority can dissolve the Council of Ministers at the state level?

- Ans**
- ☐ 1. High Court
 - ☐ 2. Prime Minister
 - ☒ 3. Governor
 - ☐ 4. President

Q.4 Which of the following is the genome-edited rice varieties launched by India in 2025?

- Ans**
- ☐ 1. Shakti Rice
 - ☐ 2. Basmati Gold
 - ☒ 3. DRR Rice 100
 - ☐ 4. Super Rice 21

Q.5 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. Fourth Plan
 - ☐ 2. Fifth Plan
 - ☒ 3. Second Plan
 - ☐ 4. First Plan

Q.6 Which year was the Pradhan Mantri Jan Dhan Yojana launched?

- Ans**
- ☐ 1. 2013
 - ☒ 2. 2014
 - ☐ 3. 2015
 - ☐ 4. 2016

Q.7 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. Indian Institute of Technology Madras (IIT-M)
 - ☐ 3. Kerala Agricultural University
 - ☒ 4. Cochin University of Science and Technology (Cusat)

Q.8 Which gas was least abundant in the early atmosphere?

- Ans**
- ☒ 1. Free oxygen
 - ☐ 2. Carbon dioxide
 - ☐ 3. Water vapour
 - ☐ 4. Nitrogen

Q.9 Among which of the following powers did the 'Tripartite Struggle' take place during the 8th and 9th centuries?

- Ans**
- ☐ 1. Cholas, Chalukyas and Satavahanas
 - ☐ 2. Pandyas, Pallavas and Cholas
 - ☒ 3. Palas, Pratiharas and Rashtrakutas
 - ☐ 4. Rashtrakutas, Cholas and Vardhanas

Q.10 Which of the following Articles deals with the rights of citizenship at the commencement of the Indian Constitution?

- Ans**
- ☐ 1. Article 10
 - ☐ 2. Article 11
 - ☐ 3. Article 7
 - ☒ 4. Article 5

Q.11 What is the correct way to copy a file or folder using the Drag and Drop method?

- Ans**
- ☒ 1. Select the file in the right pane → Drag it to a folder in the left pane → Drop it there
 - ☐ 2. Double-click the file → Drag it back into the same folder
 - ☐ 3. Right-click the file → Drag it to the desktop → Press Delete
 - ☐ 4. Select the file → Press Ctrl + C → Drop it into the Recycle Bin

Q.12 Which of the following classical theatre forms is associated with Karnataka and features dance-drama with colourful costumes?

- Ans**
- ☐ 1. Bhavai
 - ☐ 2. Kathakali
 - ☐ 3. Jatra
 - ☒ 4. Yakshagana

- Q.13** 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. Fan Zhendong
☒ 2. Wang Chuqin
☒ 3. Ma Long
☒ 4. Lin Gaoyuan
- Q.14** Which of the following sectors was the primary focus of India's First Five-Year Plan (1951-56)?
- Ans** ☒ 1. Services and Education
☒ 2. Industry and Infrastructure
☒ 3. Agriculture and Irrigation
☒ 4. Defence and Security
- Q.15** Which institute of Indian Council of Agricultural Research (ICAR) developed India's first genome-edited rice variety DRR Rice 100 (Kamla)?
- Ans** ☒ 1. ICAR-National Rice Research Institute (NRRI), Cuttack
☒ 2. ICAR-Central Institute of Agricultural Engineering, Bhopal
☒ 3. ICAR-Indian Institute of Rice Research, Hyderabad
☒ 4. ICAR-Indian Agricultural Research Institute, New Delhi
- Q.16** 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. Zamindari
☒ 4. Jagirdari
- Q.17** What is the name of the herbal cream developed by CSIR-CIMAP for treating psoriasis released in May 2025?
- Ans** ☒ 1. Herbaloid
☒ 2. SkinCure
☒ 3. DermaHerb
☒ 4. PsoriaCIM
- Q.18** Which of the following local winds is known to bring rain to Tamil Nadu during winter?
- Ans** ☒ 1. Nor'wester
☒ 2. Jet stream
☒ 3. Southwest monsoon
☒ 4. Northeast monsoon
- Q.19** 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.20 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 select 'Delete'
 - ☒ 2. Right-click on the file and press 'Shift + Delete'
 - ☐ 3. Drag the file to the Recycle Bin
 - ☐ 4. Right-click on the file and Press Ctrl + D

Q.21 Which of the following minerals is essential for oxygen transport in the blood?

- Ans
- ☐ 1. Magnesium
 - ☒ 2. Iron
 - ☐ 3. Calcium
 - ☐ 4. Zinc

Q.22 Which of the following metals is used as a catalyst in the Haber process for ammonia synthesis?

- Ans
- ☐ 1. Platinum
 - ☒ 2. Iron
 - ☐ 3. Nickel
 - ☐ 4. Copper

Q.23 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. South Asian Association for Productivity (SAAP) till the 2026 term
 - ☐ 3. ASEAN Council for Economic Growth (ACEG) for a two-year term
 - ☒ 4. Asian Productivity Organisation (APO) for the 2025–26 term

Q.24 Who assumed charge as the 18th Commander-in-Chief of the Andaman & Nicobar Command (CINCAN) on 1 June 2025?

- Ans
- ☐ 1. Lt General Vijay Kumar Singh
 - ☐ 2. Lt General Anil Chatterjee
 - ☐ 3. Lt General Rajesh Mehta
 - ☒ 4. Lt General Dinesh Singh Rana

Q.25 Who was appointed as the Director General of Defence Estates (DGDE) in June 2025?

- Ans
- ☐ 1. Anil Choudhary
 - ☒ 2. Shailendra Nath Gupta
 - ☐ 3. Rajesh Kumar Singh
 - ☐ 4. Vikram Singh Rathore

Q.26 Which of the following was the biggest armed resistance to colonialism in the 19th century in India?

- Ans
- ☐ 1. Quit India Movement
 - ☐ 2. Battle of Buxar
 - ☐ 3. First Anglo-Maratha War
 - ☒ 4. Sepoy Mutiny

Q.27 Which fault in the Peninsular Plateau is known for recurrent seismic activity?

- Ans
- ☐ 1. Malda Fault
 - ☐ 2. Vindhya Fault
 - ☐ 3. Narmada Fault
 - ☒ 4. Bhima Fault

Q.28 The energy produced by using the heat from the Earth's interior is called:

- Ans**
- ☐ 1. Biomass energy
 - ☐ 2. Solar energy
 - ☐ 3. Tidal energy
 - ☒ 4. Geothermal energy

Q.29 Which of the following government initiatives was launched in 1973 to conserve a key apex predator and its ecosystem in India?

- Ans**
- ☐ 1. Project Asiatic Lion
 - ☐ 2. Project Rhino
 - ☒ 3. Project Tiger
 - ☐ 4. Project Elephant

Q.30 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 Garuda
 - ☐ 2. INS Arighaat
 - ☒ 3. INS Arnala
 - ☐ 4. INS Tushil

Q.31 Which of the following is NOT a role of the President of India?

- Ans**
- ☐ 1. Appointing the Prime Minister
 - ☐ 2. Summoning and dissolving the Parliament
 - ☒ 3. Conducting elections
 - ☐ 4. Passing bills into laws

Q.32 Who was honoured with the Humanitarian Award at the 72nd Miss World Festival, held in May 2025, for philanthropic work during the Covid pandemic?

- Ans**
- ☒ 1. Sonu Sood
 - ☐ 2. Amitabh Bachchan
 - ☐ 3. Shah Rukh Khan
 - ☐ 4. Akshay Kumar

Q.33 What was the official mascot of the 2025 National Games?

- Ans**
- ☐ 1. Shikhar
 - ☐ 2. Tejaswini
 - ☐ 3. Gajasimha
 - ☒ 4. Mauli

Q.34 Following the Pahalgam attack in April 2025, India suspended which treaty with Pakistan?

- Ans**
- ☐ 1. Tashkent Agreement
 - ☐ 2. Simla Agreement
 - ☒ 3. Indus Waters Treaty
 - ☐ 4. Lahore Treaty

Q.35 When was the Gurjara Pratihara dynasty founded by Nagabhata I in the region of Malwa?

- Ans**
- ☐ 1. 12th century
 - ☐ 2. 10th century
 - ☒ 3. 8th century
 - ☐ 4. 6th century

Q.36 Who was the first Portuguese governor in India, sent in 1505 to establish naval supremacy?

- Ans**
- ☒ 1. De Almeida
 - ☐ 2. De Souza
 - ☐ 3. Albuquerque
 - ☐ 4. Nino-da-Cunha

Q.37 The 2025 edition of the Sheila Bharat Ram Theatre Festival took place at which of the following locations?

- Ans**
- ☐ 1. Kamani Auditorium, Delhi
 - ☒ 2. Shri Ram Centre of Performing Arts, Delhi
 - ☐ 3. National School of Drama, Delhi
 - ☐ 4. India Habitat Centre, Delhi

Q.38 Who among the following laid the foundation stone of Indira Gandhi Rashtriya Uran Akademi, commonly called IGRUA, in 1985?

- Ans**
- ☐ 1. Gulzari Lal Nanda
 - ☐ 2. Morarji Desai
 - ☐ 3. Jawaharlal Nehru
 - ☒ 4. Rajiv Gandhi

Q.39 Which reform movement in Kerala focused on the upliftment of the backward castes through education and social equality?

- Ans**
- ☐ 1. Singh Sabha
 - ☒ 2. SNDP Sabha
 - ☐ 3. Arya Samaj
 - ☐ 4. Kayastha Sabha

Q.40 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. 1 May 2025
 - ☐ 2. 1 April 2025
 - ☐ 3. 4 May 2025
 - ☐ 4. 20 April 2025

Section : Mathematics

Q.1 The LCM of the numbers 15.4 and 0.006 is:

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

Q.2 If the third proportional of 9 and 30 be x, then what is the value of x?

- Ans**
- ☐ 1. 99
 - ☒ 2. 100
 - ☐ 3. 101
 - ☐ 4. 102

Q.3 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. 32.21
 - ☐ 2. 35.21
 - ☒ 3. 33.21
 - ☐ 4. 34.21

Q.4 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. 45
 - ☐ 2. 70
 - ☐ 3. 80
 - ☐ 4. 60

Q.5 The value of $\frac{5}{3} + \left(\frac{1}{1 + \frac{5}{6}} \right) - \frac{5}{3}$ is

- Ans
- ☐ 1. $\frac{7}{13}$
 - ☐ 2. $\frac{11}{18}$
 - ☐ 3. $\frac{5}{18}$
 - ☒ 4. $\frac{6}{11}$

Q.6 The value of $\frac{4}{5} + \left(\frac{1}{1 + \frac{5}{6}} \right) - \frac{2}{5}$ is

- Ans
- ☐ 1. $\frac{43}{53}$
 - ☐ 2. $\frac{51}{61}$
 - ☒ 3. $\frac{52}{55}$
 - ☐ 4. $\frac{57}{49}$

Q.7 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. 72%
 - ☐ 2. 74%
 - ☐ 3. 71%
 - ☐ 4. 76%

Q.8 Find the value of: $[480 \div \{12 + 2 \times (4 - 9)\}]$.

- Ans
- ☐ 1. 243
 - ☐ 2. 242
 - ☒ 3. 240
 - ☐ 4. 241

Q.9 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. ₹60,000
 - ☐ 2. ₹1,00,000
 - ☒ 3. ₹80,000
 - ☐ 4. ₹1,20,000

Q.10 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. 51.8
 - ☐ 3. 53.8
 - ☐ 4. 50.8

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. 16%
 - ☒ 3. 15%
 - ☐ 4. 18%

Q.12 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. $6\frac{32}{119}$ days
 - ☐ 2. $8\frac{32}{119}$ days
 - ☐ 3. $3\frac{32}{119}$ days
 - ☒ 4. $5\frac{32}{119}$ days

Q.13 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.14 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.15 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. ₹75.30
 - ☐ 2. ₹76.60
 - ☒ 3. ₹77.60
 - ☐ 4. ₹68.50

Q.16 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. ₹3,600
 - ☐ 2. ₹3,800
 - ☐ 3. ₹4,500
 - ☐ 4. ₹4,000

Q.17 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. 208
 - ☐ 2. 235
 - ☐ 3. 151
 - ☐ 4. 132

Q.18 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. 204
 - ☐ 2. 324
 - ☒ 3. 224
 - ☐ 4. 274

Q.19 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. 15
 - ☐ 2. 11
 - ☐ 3. 13
 - ☐ 4. 17

Q.20 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. 55
 - ☐ 2. 44
 - ☐ 3. 66
 - ☐ 4. 121

Q.21 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. ₹32
 - ☒ 2. ₹29
 - ☐ 3. ₹31
 - ☐ 4. ₹28

Q.22 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. 54.95
 - ☒ 2. 56.95
 - ☐ 3. 62.09
 - ☐ 4. 58.05

Q.23 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. 10
 - ☐ 2. 14
 - ☐ 3. 15
 - ☒ 4. 12

Q.24 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. 6 hours
 - ☐ 2. 5 hours
 - ☐ 3. 12 hours
 - ☐ 4. 2 hours

Q.25 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. 20,525
 - ☐ 2. 20,515
 - ☐ 3. 20,517
 - ☒ 4. 20,520

Q.26 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. 32
 - ☐ 2. 26
 - ☐ 3. 28
 - ☒ 4. 30

Q.27 Pipe P can fill $\frac{3}{8}$ part of a tank in 21 hours and pipe Q can fill $\frac{2}{7}$ part. Both P and Q were kept open for 2 hours, then both were closed. Pipe R emptied the water in the tank in 3 hours. Pipes P, Q and R together

- Ans
- ☒ 1. 84 hours
 - ☐ 2. 94 hours
 - ☐ 3. 89 hours
 - ☐ 4. 67 hours

Q.28 Evaluate: $(-9) - (-60) \div (-10) + (-4) \times 6$

- Ans**
- ☐ 1. -38
 - ☒ 2. -39
 - ☐ 3. -41
 - ☐ 4. -42

Q.29 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

Q.30 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. 27
 - ☒ 2. 24
 - ☐ 3. 33
 - ☐ 4. 29

Section : General Intelligence and Reasoning

Q.1 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. YOK 385
 - ☒ 2. YRK 385
 - ☐ 3. URK 385
 - ☐ 4. YRK 383

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. AE-DH
 - ☐ 2. LP-OS
 - ☐ 3. KO-NR
 - ☒ 4. HL-JQ

Q.3 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. Neither conclusion (I) nor (II) follows.

✗ 2. Only conclusion (II) follows.

✗ 3. Only conclusion (I) follows.

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

Q.4 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. DYLN

✗ 2. DFRT

✓ 3. DYNL

✗ 4. DLNY

Q.5 If + means $\times$, $\times$ means $\div$ and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$12 - 2 + 49 \times 7 \div 5 = ?$$

Ans ✗ 1. 12

✗ 2. 27

✓ 3. 22

✗ 4. 17

Q.6 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. 2

✓ 4. 3

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. KO-RI

✗ 2. EI-LC

✓ 3. CG-JB

✗ 4. HL-OF

Q.8 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. Three
 - ☐ 3. Two
 - ☐ 4. Four

Q.9 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.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:

Some files are books.

All books are keys.

Conclusions:

(I) Some files are keys.

(II) All keys are books.

- 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 Kishori ranked 15th from the bottom and 26th from the top in her class. How many students are there in her class?

- Ans**
- ☐ 1. 38
 - ☐ 2. 39
 - ☐ 3. 37
 - ☒ 4. 40

Q.12 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. 8
 - ☐ 3. 7
 - ☐ 4. 5

Q.13 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. 4 km towards east
 - ☐ 3. 10 km towards north
 - ☐ 4. 6 km towards west

Q.14 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. W
 - ☒ 3. U
 - ☐ 4. G

Q.15 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. XPLA
 - ☒ 2. LPAX
 - ☐ 3. LPXA
 - ☐ 4. XAPL

Q.16 What should come in place of the question mark (?) in the given series?

510 511 519 546 610 ?

- Ans**
- ☒ 1. 735
 - ☐ 2. 695
 - ☐ 3. 715
 - ☐ 4. 755

Q.17 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 father
 - ☐ 2. Mother's brother
 - ☐ 3. Mother's sister
 - ☒ 4. Mother's mother

Q.18 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. One
 - ☒ 3. Four
 - ☒ 4. Two

Q.19 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. 12
 - ☒ 2. 9
 - ☒ 3. 10
 - ☒ 4. 8

Q.20 What should come in place of the question mark (?) in the given series?

26 40 55 71 ? 106

- Ans**
- ☒ 1. 98
 - ☒ 2. 92
 - ☒ 3. 88
 - ☒ 4. 104

Q.21 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. 24, 43
 - ☒ 2. 22, 38
 - ☒ 3. 23, 40
 - ☒ 4. 26, 43

Q.22 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. 2
 - ☒ 2. 1
 - ☒ 3. 4
 - ☒ 4. 5

Q.23 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. BYG
 - ☐ 2. BGY
 - ☐ 3. BGM
 - ☒ 4. BMG

Q.24 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?

11 B 3 C 20 D 93 A 3 = ?

- Ans**
- ☐ 1. 2
 - ☐ 2. 9
 - ☒ 3. 22
 - ☐ 4. 15

Q.25 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. 42
 - ☐ 2. 32
 - ☒ 3. 29
 - ☐ 4. 36

Q.26 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. 15 km towards South
 - ☒ 2. 19 km towards North
 - ☐ 3. 15 km towards East
 - ☐ 4. 19 km towards South

Q.27 What should come in place of the question mark (?) in the given series?

7, 16, 30, 49, 73, ?

- Ans**
- ☐ 1. 104
 - ☐ 2. 103
 - ☒ 3. 102
 - ☐ 4. 105

Q.28 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. Four
 - ☐ 2. Two
 - ☐ 3. Three
 - ☐ 4. One

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. ORW

✗ 2. HKO

✗ 3. DGK

✗ 4. BEI

Q.30 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. Four

✓ 2. Two

✗ 3. Three

✗ 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 Center Name	Dewa Mahila Mahavidyalaya
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 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. Jharkhand
 - ☒ 3. Uttar Pradesh
 - ☐ 4. Bihar

Q.2 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. Equitable distribution of irrigation
 - ☐ 2. High literacy rate among workers
 - ☐ 3. Uniform wages across sectors
 - ☒ 4. Unequal land ownership patterns

Q.3 Which of the following best reflects Judicial Activism?

- Ans**
- ☐ 1. Passive interpretation of laws
 - ☐ 2. Only enforcing existing laws strictly
 - ☒ 3. Voluntary interference by the judiciary in public interest
 - ☐ 4. Declaring elections null and void

Q.4 What is the total number of inhabited islands in the Andaman and Nicobar Islands, as of May 2025?

- Ans**
- ☒ 1. More than 30
 - ☐ 2. Less than 14
 - ☐ 3. 18
 - ☐ 4. 22

Q.5 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.6 What is the main function of sclerenchyma, a plant tissue composed of dead cells with extremely thick lignified walls?

- Ans**
- ☒ 1. To provide mechanical support and strength to the plant
 - ☐ 2. To store food and other materials such as resins, mucilage and latex in the plant
 - ☐ 3. To help hold the flower parts together in a plant
 - ☐ 4. To transport water, nutrients and sugars throughout the plant

Q.7 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.8 Rohilla chief, Najib-ud-Daula, played a key role in the ____.

- Ans**
- ☐ 1. Decline of Bengal
 - ☒ 2. Third Battle of Panipat
 - ☐ 3. Anglo-Maratha wars
 - ☐ 4. Mysore wars

Q.9 What is the purpose of the High Endurance Autonomous Underwater Vehicle (HEAUV) developed by DRDO's Naval Science and Technological Laboratory (NSTL)?

- Ans**
- ☐ 1. Deep-sea oil exploration
 - ☒ 2. Underwater surveillance
 - ☐ 3. Submarine crew training
 - ☐ 4. Surface-to-air missile deployment

Q.10 Which of the following languages was granted classical status by the Government of India in 2005, following Tamil?

- Ans**
- ☐ 1. Malayalam
 - ☐ 2. Kannada
 - ☐ 3. Telugu
 - ☒ 4. Sanskrit

Q.11 Who was honoured with the Rammohan Mission Purashkar 2025 for emphasising ISRO's role in national security?

- Ans**
- ☐ 1. K Sivan
 - ☐ 2. G Madhavan Nair
 - ☐ 3. S Somanath
 - ☒ 4. V Narayanan

Q.12 Biogas plants are most commonly used in which sector in rural India?

- Ans**
- ☒ 1. Household cooking and lighting
 - ☐ 2. Iron smelting
 - ☐ 3. Transportation
 - ☐ 4. Industrial use

Q.13 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. Arunachal Pradesh to conserve high-altitude wetlands
 - ☐ 3. Uttarakhand to protect alpine medicinal plant species
 - ☒ 4. Himachal Pradesh to secure snow leopard habitats

Q.14 What is the primary function of the Taskbar in Windows7?

- Ans**
- ☐ 1. To display the system BIOS
 - ☐ 2. To install new software
 - ☐ 3. To shut down the computer
 - ☒ 4. To show open programs and allow quick access to them

Q.15 In May 2025, which Indian Chief Minister announced naming a medical college after Ahilyabai Holkar in 2025?

- Ans**
- ☐ 1. Ashok Gehlot
 - ☒ 2. Yogi Adityanath
 - ☐ 3. Bhupesh Baghel
 - ☐ 4. Uddhav Thackeray

Q.16 Which Windows feature helps to quickly locate a specific file in a large folder?

- Ans**
- ☒ 1. Search box in File Explorer
 - ☐ 2. Control Panel
 - ☐ 3. Right-click → Delete
 - ☐ 4. Task Manager

Q.17 Optical fibres work on the principle of _____.

- Ans**
- ☐ 1. reflection only
 - ☐ 2. refraction only
 - ☒ 3. total internal reflection
 - ☐ 4. total internal refraction

Q.18 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. 2016
 - ☒ 2. 2011
 - ☐ 3. 2014
 - ☐ 4. 2007

Q.19 Where was the 8th Edition of the Indian Ocean Conference in February 2025 held?

- Ans**
- ☒ 1. Muscat, Oman
 - ☐ 2. Manila, Philippines
 - ☐ 3. Cairo, Egypt
 - ☐ 4. Perth, Australia

Q.20 Which of the following is NOT a part of chemical weathering?

- Ans**
- ☐ 1. Oxidation
 - ☒ 2. Frost Action
 - ☐ 3. Hydration
 - ☐ 4. Carbonation

Q.21 Where was the headquarters of the Home Rule League founded by Bal Gangadhar Tilak located?

- Ans**
- ☐ 1. Surat
 - ☒ 2. Pune
 - ☐ 3. Patna
 - ☐ 4. Ajmer

Q.22 The foreign exchange crisis forced India to seek external support. Which institution provided India a loan during the 1991 crisis?

- Ans**
- ☒ 1. IMF
 - ☐ 2. WTO
 - ☐ 3. ADB
 - ☐ 4. World Bank

Q.23 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. Rashtrakuta
 - ☐ 2. Pratihara
 - ☒ 3. Pallava
 - ☐ 4. Pala

Q.24 What was the ultimate promise made by Bhagirath Majhi to the Santhals if they followed his teachings?

- Ans**
- ☐ 1. Land restoration and divine protection
 - ☐ 2. Access to modern education and jobs
 - ☒ 3. Restoration of tribal kingdoms
 - ☐ 4. Complete independence from British rule

Q.25 The partition of Bengal officially came into force in the year ____.

- Ans**
- ☐ 1. 1919
 - ☒ 2. 1905
 - ☐ 3. 1912
 - ☐ 4. 1948

Q.26 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. Presentation of a report card highlighting achievements
 - ☐ 2. Introduction of a universal basic income
 - ☐ 3. Inauguration of a new legislative building
 - ☐ 4. Launch of a new metro line

Q.27 Which statement best describes a key feature of a Public-Private Partnership (PPP)?

- Ans**
- ☐ 1. The public partner fully finances a project, while the private partner has no risk.
 - ☐ 2. PPPs are only used for purely social (non-commercial) projects.
 - ☒ 3. Government and private entities share responsibilities and risks efficiently.
 - ☐ 4. Only public sector entities can participate in PPPs.

Q.28 Vijender Gupta, who became the Speaker of the Delhi Assembly in 2025, is the MLA from which of the following constituencies?

- Ans**
- ☐ 1. Patparganj
 - ☒ 2. Rohini
 - ☐ 3. Karol Bagh
 - ☐ 4. Greater Kailash

Q.29 Which type of land is most suitable for agriculture in India?

- Ans**
- ☐ 1. Forest land
 - ☐ 2. Rocky and arid land
 - ☐ 3. Mountainous land
 - ☒ 4. Level alluvial land

Q.30 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. Bhabha Atomic Research Centre (BARC)
 - ☐ 3. Indian Institute of Science (IISc)
 - ☒ 4. Defence Research and Development Organisation (DRDO)

Q.31 Which of the following is NOT a mode of acquiring Indian citizenship under the Citizenship Act, 1955?

- Ans**
- ☒ 1. By adoption
 - ☐ 2. By birth
 - ☐ 3. By registration
 - ☐ 4. By descent

Q.32 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.33 Which of the following organisations launched the Fiscal Health Index for India in 2025?

- Ans**
- ☐ 1. Reserve Bank of India
 - ☐ 2. Ministry of Finance
 - ☒ 3. NITI Aayog
 - ☐ 4. Finance Commission

Q.34 The Tendulkar Committee revised India's methodology for measuring poverty. As per the Tendulkar Committee, which criterion is considered to measure poverty?

- Ans**
- ☐ 1. Income
 - ☐ 2. Employment status
 - ☒ 3. Consumption expenditure
 - ☐ 4. Calorie intake

Q.35 Who among the following is the appointing authority of District Judges in India?

- Ans**
- ☒ 1. Governor of the state
 - ☐ 2. President of India
 - ☐ 3. Prime Minister
 - ☐ 4. Chief Justice of India

Q.36 Which river originates from the Amarkantak Plateau in Madhya Pradesh and flows westward?

- Ans**
- ☐ 1. Godavari
 - ☐ 2. Tapi
 - ☒ 3. Narmada
 - ☐ 4. Son

Q.37 Gitanjali, a famous collection of poems, was originally written in which of the following languages?

- Ans**
- ☐ 1. Hindi
 - ☐ 2. English
 - ☒ 3. Bengali
 - ☐ 4. Urdu

Q.38 Which of the following is the primary objective of the Right to Information (RTI) Act, 2005?

- Ans**
- ☐ 1. To control corruption in the judiciary
 - ☒ 2. To promote transparency and accountability in government functioning
 - ☐ 3. To regulate foreign investment in India
 - ☐ 4. To ensure reservations for backwards classes

Q.39 Which movie received the Best Picture honour at the 97th Academy Awards in 2025?

- Ans**
- ☒ 1. Anora
 - ☐ 2. Dune: Part Two
 - ☐ 3. Conclave
 - ☐ 4. The Brutalist

Q.40 Which of the following statements is correct regarding the Tenth Schedule of the Indian Constitution?

- Ans**
- ☐ 1. It defines the distribution of powers between the Union and States.
 - ☐ 2. It contains provisions regarding Official Languages.
 - ☐ 3. It deals with the allocation of seats in the Rajya Sabha.
 - ☒ 4. It provides for disqualification of members on grounds of defection.

Section : Mathematics

Q.1 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. 2,825
 - ☒ 2. 2,580
 - ☐ 3. 2,386
 - ☐ 4. 2,444

Q.2 Find the value of $24^{-10} \div 24^{16} \times 24^{-7}$.

- Ans**
- ☐ 1. 24^{-38}
 - ☐ 2. 24^{-43}
 - ☒ 3. 24^{-33}
 - ☐ 4. 24^{-31}

Q.3 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. $M + N = -2$
 - ☐ 2. $M - N = 1$
 - ☒ 3. $M - N = 2$
 - ☐ 4. $M = N$

Q.4 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. 108000
 - ☐ 2. 216000
 - ☐ 3. 54000
 - ☐ 4. 5400

Q.5 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. 9,376
 - ☐ 2. 9,373
 - ☒ 3. 9,375
 - ☐ 4. 9,374

Q.6 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. 168 km/hr
 - ☒ 2. 165 km/hr
 - ☐ 3. 159 km/hr
 - ☐ 4. 156 km/hr

Q.7 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. 11
 - ☒ 2. 13
 - ☐ 3. 17
 - ☐ 4. 8

Q.8 The product of two consecutive natural numbers is 240. The greater of the two numbers is:

- Ans**
- ☒ 1. 16
 - ☐ 2. 23
 - ☐ 3. 19
 - ☐ 4. 35

Q.9 Find the mean proportional between 26 and 104.

- Ans
- ☐ 1. 49
 - ☒ 2. 52
 - ☐ 3. 53
 - ☐ 4. 51

Q.10 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. $12\frac{28}{53}$ days
 - ☐ 3. $14\frac{28}{53}$ days
 - ☐ 4. $11\frac{28}{53}$ days

Q.11 Successive discounts of 5% and 40% are equivalent to a single discount of:

- Ans
- ☐ 1. 41%
 - ☐ 2. 45%
 - ☒ 3. 43%
 - ☐ 4. 42%

Q.12 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. ₹31,500
 - ☐ 2. ₹32,500
 - ☐ 3. ₹31,000
 - ☐ 4. ₹32,000

Q.13 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. 71°
 - ☐ 2. 65°
 - ☐ 3. 69°
 - ☒ 4. 74°

Q.14 The LCM of the numbers 10.8 and 0.06 is:

- Ans
- ☐ 1. 1.08
 - ☒ 2. 10.8
 - ☐ 3. 108
 - ☐ 4. 0.108

Q.15 Simplify:

$$\sqrt{289} + \sqrt{0.04} - \sqrt{5.76}$$

- Ans
- ☐ 1. 1.78
 - ☐ 2. 3.07
 - ☐ 3. 11.65
 - ☒ 4. 14.8

Q.16 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. ₹34,385
 - ☒ 2. ₹33,795
 - ☐ 3. ₹34,043
 - ☐ 4. ₹35,768

Q.17 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. 51.2 kg
 - ☐ 3. 52.2 kg
 - ☐ 4. 53.2 kg

Q.18 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.19 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. 1
 - ☒ 2. $\operatorname{cosec}^2 A$
 - ☐ 3. 0
 - ☐ 4. $\cot^2 A$

Q.20 A company offers a scheme discount of 'buy 5 get 3 free' offer on shirts. Find the discount percentage.

- Ans**
- ☐ 1. 36.3%
 - ☒ 2. 37.5%
 - ☐ 3. 39.3%
 - ☐ 4. 30%

Q.21 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. 1358
 - ☐ 2. 1396
 - ☐ 3. 1385
 - ☒ 4. 1369

Q.22 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. decrease by ₹5,525
 - ☐ 2. decrease by ₹5,524
 - ☐ 3. increase by ₹5,530
 - ☐ 4. increase by ₹5,521

Q.23 The simple interest on a certain sum for $7\frac{2}{3}$ years at the rate of 5.4%

What will be the amount payable on the same sum at the rate of 7.5%



- Ans
- ☐ 1. ₹14,272
 - ☐ 2. ₹14,273
 - ☒ 3. ₹14,280
 - ☐ 4. ₹14,282

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. 752
 - ☒ 3. 768
 - ☐ 4. 792

Q.25 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. 42
 - ☐ 2. 32
 - ☒ 3. 22
 - ☐ 4. 37

Q.26 What smallest number should be added to 15335 so that the sum is completely divisible by 79?

- Ans
- ☐ 1. 71
 - ☒ 2. 70
 - ☐ 3. 68
 - ☐ 4. 65

Q.27 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. 100
 - ☐ 2. 35
 - ☐ 3. 110
 - ☒ 4. 12

Q.28 By how much is 65% of 55 greater than $\frac{2}{5}$ of 25?

- Ans
- ☐ 1. 22.75
 - ☐ 2. 19.75
 - ☒ 3. 25.75
 - ☐ 4. 23.75

Q.29 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. $21\frac{7}{13}$ minutes
 - ☐ 2. $19\frac{7}{13}$ minutes
 - ☐ 3. $20\frac{7}{13}$ minutes
 - ☐ 4. $22\frac{7}{13}$ minutes

Q.30 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. 12:00 PM
 - ☐ 2. 11:30 AM
 - ☒ 3. 11:00 AM
 - ☐ 4. 10:50 AM

Section : General Intelligence and Reasoning

Q.1 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. 8
 - ☐ 3. 7
 - ☐ 4. 4

Q.2 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. PSK51
 - ☒ 2. PSL51
 - ☐ 3. PSK50
 - ☐ 4. PSL50

Q.3 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. 7
 - ☐ 2. 1
 - ☐ 3. 6
 - ☐ 4. 5

Q.4 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. 6
 - ☒ 3. 1
 - ☐ 4. 2

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.

(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. 2
 - ☐ 3. 4
 - ☐ 4. 1

Q.6 Piyush is ranked 11th from the top and 29th from the bottom in his class. How many students are there in the class?

- Ans
- ☐ 1. 40
 - ☐ 2. 37
 - ☐ 3. 38
 - ☒ 4. 39

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

789 799 800 810 811 821 822 ?

- Ans
- ☐ 1. 831
 - ☐ 2. 823
 - ☐ 3. 833
 - ☒ 4. 832

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.

TOES - SETO - TEOS
CLAP - PACL - CALP

- Ans
- ☐ 1. TUNE - UNTE - UNET
 - ☐ 2. RUST - RSUT - TSUR
 - ☒ 3. MICK - KCMI - MCIK
 - ☐ 4. CALF - FLCA - ALCF

Q.9 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. Two
 - ☐ 3. Four
 - ☐ 4. One

Q.10 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. 1
 - ☐ 2. 3
 - ☐ 3. 2
 - ☒ 4. 4

Q.11 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. 7
 - ☐ 2. 9
 - ☐ 3. 10
 - ☒ 4. 12

Q.12 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. VYW 36
 - ☐ 3. VXY 28
 - ☒ 4. USQ 36

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 soaps are gels.

All soaps are conditioners.

Conclusions:

(I) Some gels are conditioners.

(II) All conditioners are soaps.

- 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.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. GIC
 - ☐ 2. MOI
 - ☐ 3. IKE
 - ☒ 4. KMH

Q.15 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 father
 - ☐ 2. Father
 - ☐ 3. Brother
 - ☒ 4. Mother's mother's brother

Q.16 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.17 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. 7, 49
 - ☐ 3. 4, 66
 - ☒ 4. 11, 123

Q.18 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. FPSAR
 - ☐ 2. GRSCS
 - ☒ 3. GQTBS
 - ☐ 4. HRUCT

Q.19 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. Two
 - ☐ 3. One
 - ☐ 4. Three

Q.20 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. 5 km to the south
 - ☐ 2. 2 km to the north
 - ☐ 3. 6 km to the east
 - ☐ 4. 4 km to the west

Q.21 What should come in place of the question mark (?) in the given series?

31 32 34 38 46 ?

- Ans** ☒ 1. 62
☐ 2. 61
☐ 3. 63
☐ 4. 64

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. BFJ
☒ 2. ERM
☐ 3. UYC
☐ 4. SWA

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 pair.)

- Ans** ☒ 1. RT-TB
☐ 2. MO-OQ
☐ 3. IK-KM
☐ 4. FH-HJ

Q.24 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. One
☐ 2. None
☒ 3. Two
☐ 4. Three

Q.25 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. R
☐ 3. A
☐ 4. S

Q.26 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. 7
☒ 2. 6
☐ 3. 5
☐ 4. 4

Q.27 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 west
 - ☒ 2. 1 km to east
 - ☐ 3. 2 km to east
 - ☐ 4. 2 km to west

Q.28 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. 24
 - ☒ 2. 18
 - ☐ 3. 36
 - ☐ 4. 30

Q.29 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. Only conclusion (II) follows.
 - ☐ 4. Both conclusions (I) and (II) follow.

Q.30 What should come in place of the question mark (?) in the given series?

13 29 55 113 223 ?

- Ans**
- ☐ 1. 494
 - ☐ 2. 489
 - ☐ 3. 498
 - ☒ 4. 449



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



Test Center Name	Eduhive Palestra
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 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.2 Industrially, which acid is mainly produced by the carbonylation of methanol using carbon monoxide?

- Ans**
- ☐ 1. Citric acid
 - ☐ 2. Nitric acid
 - ☒ 3. Acetic acid
 - ☐ 4. Hydrochloric acid

Q.3 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.4 Which of the following names is associated with the Faraizi Movement?

- Ans**
- ☐ 1. Nawab Salimullah
 - ☐ 2. Muhammad Barkathulla
 - ☐ 3. Hakim Ajmal Khan
 - ☒ 4. Haji Shariatullah

Q.5 What is the actual mainland distance of India from east to west?

- Ans**
- ☐ 1. 3143 km
 - ☐ 2. 3214 km
 - ☐ 3. 3014 km
 - ☒ 4. 2933 km

Q.6 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 19(1)(a) (Freedom of Speech)
 - ☐ 2. Violation of Article 21 (Right to Life and Personal Liberty)
 - ☐ 3. Violation of Article 14 (Right to Equality)
 - ☒ 4. Violation of Article 22(1) (Failure to inform grounds of arrest)

Q.7 Which State launched India's first PPP green waste processing plant?

- Ans**
- ☒ 1. Madhya Pradesh
 - ☐ 2. Chhattisgarh
 - ☐ 3. Telangana
 - ☐ 4. Kerala

Q.8 The McMahon Line is the boundary between India and which country?

- Ans**
- ☐ 1. Myanmar
 - ☐ 2. Afghanistan
 - ☐ 3. Pakistan
 - ☒ 4. China

Q.9 Which Indian startup successfully tested the country's first electric motor-driven semi-cryogenic rocket engine in May 2025?

- Ans**
- ☐ 1. Pixxel
 - ☐ 2. Skyroot Aerospace
 - ☐ 3. Bellatrix Aerospace
 - ☒ 4. Agnikul Cosmos

Q.10 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. Tawang
 - ☐ 2. Lower Subansiri
 - ☐ 3. West Kameng
 - ☒ 4. Kamle

Q.11 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.12 Who is responsible for implementing the RTI Act in public departments?

- Ans**
- ☒ 1. Central Public Information Officer
 - ☐ 2. Director General
 - ☐ 3. District Magistrate
 - ☐ 4. Central Vigilance Officer

Q.13 What is the function of the Taskbar in the Windows operating system?

- Ans**
- ☐ 1. Shuts down the computer immediately
 - ☒ 2. Displays currently running applications and allows switching between them
 - ☐ 3. Opens the file manager window
 - ☐ 4. Stores deleted files temporarily

Q.14 In April 2025, India signed a \$7.4 billion deal to purchase 26 Rafale fighter jets with which of the following countries?

- Ans**
- ☐ 1. United States
 - ☒ 2. France
 - ☐ 3. Israel
 - ☐ 4. Russia

Q.15 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. 3
 - ☐ 3. 6
 - ☒ 4. 7

Q.16 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 begin building its first indigenously made Polar Vessel.
 - ☐ 3. India will fund Norway's Polar Research under a new agreement.
 - ☐ 4. India will purchase its first Polar Research Vessel from Norway.

Q.17 Which Article deals with the constitution of Municipalities?

- Ans**
- ☒ 1. Article 243Q
 - ☐ 2. Article 243P
 - ☐ 3. Article 243W
 - ☐ 4. Article 243Z

Q.18 Who received the Best Actress award at the 25th IIFA Awards in 2025?

- Ans**
- ☒ 1. Nitanishi Goel
 - ☐ 2. Neha Dixit
 - ☐ 3. Subhashree Ganguly
 - ☐ 4. Manisha Kulshertha

Q.19 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. Fourth Amendment Act, 1955
 - ☐ 4. Twenty-ninth Amendment Act, 1972

Q.20 The increase in Earth's average temperature due to trapped gases is called:

- Ans**
- ☐ 1. Ocean acidification
 - ☒ 2. Greenhouse effect
 - ☐ 3. Climate Change
 - ☐ 4. Ozone depletion

Q.21 Abu'l Fazl was the court historian of which of the following rulers?

- Ans**
- ☐ 1. Aurangzeb
 - ☒ 2. Akbar
 - ☐ 3. Babar
 - ☐ 4. Alauddin Khilji

Q.22 What was the main source of revenue for the Pallava empire, used for maintaining their army and administrative expenses?

- Ans**
- ☒ 1. Land tax
 - ☐ 2. Toll tax
 - ☐ 3. Trade tax
 - ☐ 4. Salt tax

Q.23 Which of the following devices performs optical character recognition (OCR)?

- Ans**
- ☐ 1. OMR Scanner
 - ☐ 2. OCR Scanner
 - ☐ 3. Flatbed Scanner
 - ☒ 4. Barcode Reader

Q.24 Kathak is a classical dance form from which of the following regions of India?

- Ans**
- ☐ 1. Western India
 - ☐ 2. Eastern India
 - ☒ 3. North India
 - ☐ 4. South India

Q.25 Which of the following organisations released the World Social Protection Report (WSPR) 2024-2025?

- Ans**
- ☒ 1. International Labour Organization
 - ☐ 2. United Nation Security Council
 - ☐ 3. International Monetary Fund
 - ☐ 4. World Health Organization

Q.26 Who took charge as the Controller General of Defence Accounts (CGDA) on 1 March 2025?

- Ans**
- ☒ 1. Dr. Mayank Sharma
 - ☐ 2. Ajay Kumar
 - ☐ 3. Alok Joshi
 - ☐ 4. Shailendra Nath Gupta

Q.27 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. Be a permanent resident of the State for 15 years
 - ☐ 4. Have at least a graduate degree

Q.28 How does the growth of tertiary activities reflect economic development in India?

- Ans**
- ☒ 1. It reflects improved services, urban growth and rising demand.
 - ☐ 2. It shows a shift back to farm-based occupations.
 - ☐ 3. It indicates a slowdown in overall income generation.
 - ☐ 4. It highlights a fall in manufacturing employment.

Q.29 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.30 The commercialisation of agriculture under the British transformed the rural economy. What did 'commercialisation of agriculture' in British India lead to?

- Ans**
- ☒ 1. Increased production of cash crops
 - ☐ 2. Growth of self-sufficient villages
 - ☐ 3. Elimination of rural debt
 - ☐ 4. Rise in food grain production

Q.31 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. Paris, France
 - ☒ 2. Beijing, China
 - ☐ 3. Tokyo, Japan
 - ☐ 4. Dubai, UAE

Q.32 On which day in 2025 did India and Pakistan agree to a US-brokered ceasefire with immediate effect?

- Ans**
- ☐ 1. 9 May
 - ☐ 2. 8 May
 - ☐ 3. 11 May
 - ☒ 4. 10 May

Q.33 Which law allowed inter-caste and inter-religious marriages during the British period in India?

- Ans**
- ☐ 1. Act of Settlement
 - ☐ 2. Widow Remarriage Act
 - ☐ 3. Sarda Act
 - ☒ 4. Act of 1872

Q.34 What is the function of a diathermic wall in a thermodynamic system?

- Ans**
- ☐ 1. It allows the flow of only work.
 - ☒ 2. It allows the flow of heat between systems.
 - ☐ 3. It prevents the exchange of both matter and energy.
 - ☐ 4. It allows the exchange of matter only.

Q.35 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. 180 days
 - ☐ 2. 159 days
 - ☐ 3. 135 days
 - ☒ 4. 100 days

Q.36 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 2015-16
 - ☐ 2. Union Budget 2018-19
 - ☒ 3. Union Budget 2017-18
 - ☐ 4. Union Budget 2016-17

Q.37 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 10
 - ☐ 2. Article 7
 - ☒ 3. Article 11
 - ☐ 4. Article 12

Q.38 What is the name given to a saucer-shaped intrusive igneous body that is concave to the sky?

- Ans**
- ☐ 1. Batholith
 - ☒ 2. Lapolith
 - ☐ 3. Phacolith
 - ☐ 4. Sill

Q.39 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. Airports Authority of India
 - ☒ 2. National Airports Authority
 - ☐ 3. Delhi International Airport Limited
 - ☐ 4. Airports Council International

Q.40 Lahaulas and Pangwala are major tribes found in which Indian state?

- Ans**
- ☐ 1. Goa
 - ☐ 2. Assam
 - ☒ 3. Himachal Pradesh
 - ☐ 4. Jharkhand

Section : Mathematics

Q.1 Find the HCF of 120, 144 and 168.

- Ans**
- ☐ 1. 12
 - ☐ 2. 48
 - ☐ 3. 36
 - ☒ 4. 24

Q.2 Find the surface area of the cuboid with dimensions 3 cm, 5 cm and 8 cm.

- Ans**
- ☐ 1. 120 square cm.
 - ☐ 2. 79 square cm.
 - ☒ 3. 158 square cm.
 - ☐ 4. 60 square cm.

Q.3 Ashok bought some pencils at the rate of ₹180 a dozen. He sold them for ₹16 each. His profit percentage is ____%.

- Ans**
- ☐ 1. 10.67
 - ☐ 2. 8.67
 - ☒ 3. 6.67
 - ☐ 4. 4.67

Q.4 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. 6
 - ☐ 2. 8
 - ☐ 3. 7
 - ☒ 4. 5

Q.5 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. 174
 - ☒ 2. 87
 - ☐ 3. 145
 - ☐ 4. 116

Q.6 Find the value of x satisfying: $4(4x^2 - 5) - 4(4x^2 + 6x - 4) = 15$

- Ans**
- ☒ 1. $-\frac{19}{24}$
 - ☐ 2. $-\frac{11}{24}$
 - ☐ 3. $-\frac{17}{24}$
 - ☐ 4. $-\frac{23}{24}$

Q.7 Simplify the following.

$$1 \times (5 \times (3^2)) \div 17 + 44 - 78$$

- Ans**
- ☒ 1. $-\frac{533}{17}$
 - ☐ 2. $-\frac{534}{17}$
 - ☐ 3. $-\frac{538}{17}$
 - ☐ 4. $-\frac{535}{17}$

Q.8 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.9 Evaluate: $16 + 12 \div 6 - 2 \times 3$

- Ans
- ☐ 1. 15
 - ☐ 2. 14
 - ☒ 3. 12
 - ☐ 4. 11

Q.10 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. 47,300
 - ☒ 2. 47,436
 - ☐ 3. 47,209
 - ☐ 4. 47,148

Q.11 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. 500 m
 - ☐ 2. 300 m
 - ☐ 3. 250 m
 - ☐ 4. 375 m

Q.12 The number of prime numbers lying between 317 and 322, both included, is:

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

Q.13 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. ₹2,306
 - ☒ 3. ₹2,400
 - ☐ 4. ₹2,430

Q.14 A number when increased by 100% gives 2750. The number is:

- Ans
- ☐ 1. 2750
 - ☐ 2. 687.5
 - ☐ 3. 4125
 - ☒ 4. 1375

Q.15 A shopkeeper marks a mobile phone for ₹15,000 but allows a discount of 10%. What amount does the customer actually pay?

- Ans
- ☐ 1. ₹14,500
 - ☐ 2. ₹14,000
 - ☒ 3. ₹13,500
 - ☐ 4. ₹13,800

Q.16 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. 270 cm^3
 - ☐ 2. 540 cm^3
 - ☐ 3. 60 cm^3
 - ☒ 4. 180 cm^3

Q.17 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. $13\frac{32}{67} \text{ hours}$
 - ☒ 2. $4\frac{32}{67} \text{ hours}$
 - ☐ 3. $12\frac{32}{67} \text{ hours}$
 - ☐ 4. $9\frac{32}{67} \text{ hours}$

Q.18 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. 9,117
 - ☐ 2. 9,123
 - ☐ 3. 9,122
 - ☒ 4. 9,120

Q.19 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. 10 km/hr
 - ☐ 2. 12 km/hr
 - ☒ 3. 11 km/hr
 - ☐ 4. 20 km/hr

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. 48.5
 - ☐ 3. 50
 - ☐ 4. 49.5

Q.21 The value of $\frac{3}{4} + \left(\frac{1}{1 + \frac{5}{9}} \right) - \frac{2}{3}$ is

- Ans
- ☐ 1. $\frac{63}{92}$
 - ☐ 2. $\frac{57}{77}$
 - ☐ 3. $\frac{60}{83}$
 - ☒ 4. $\frac{61}{84}$

Q.22 A man makes a monthly payment equal to 20% of his monthly salary towards debt repayment. He spends 25% of the remaining salary and saves ₹780. His monthly salary (in ₹) is:

- Ans
- ☐ 1. 1,383
 - ☒ 2. 1,300
 - ☐ 3. 1,366
 - ☐ 4. 1,388

Q.23 ₹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. ₹18,091
 - ☒ 2. ₹17,976
 - ☐ 3. ₹17,815
 - ☐ 4. ₹17,847

Q.24 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. 20
 - ☒ 2. 24
 - ☐ 3. 28
 - ☐ 4. 29

Q.25 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. 6.5
 - ☐ 2. 7.6
 - ☒ 3. 8
 - ☐ 4. 7

Q.26 The average of first 151 odd natural numbers, is:

- Ans
- ☐ 1. 152
 - ☐ 2. 151.5
 - ☒ 3. 151
 - ☐ 4. 150.5

Q.27 Pipe P can fill $\frac{2}{9}$ part of a tank in 28 hours, and pipe Q can fill $\frac{2}{7}$ part

Both P and Q were kept open for 6 hours, then both were closed. Pipe R emptied the water in the tank in 8 hours. Pipes P, Q and R together

- Ans ☒ 1. 126 hours
☐ 2. 117 hours
☐ 3. 137 hours
☐ 4. 145 hours

Q.28 Which of the following ratios is the greatest?

- Ans ☐ 1. 22 : 51
☐ 2. 30 : 53
☒ 3. 48 : 55
☐ 4. 40 : 90

Q.29 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. 51 years
☐ 2. 56 years
☐ 3. 61 years
☒ 4. 60 years

Q.30 The product of two consecutive natural numbers is 90. The greater of the two numbers is:

- Ans ☐ 1. 11
☒ 2. 10
☐ 3. 6
☐ 4. 21

Section : General Intelligence and Reasoning

Q.1 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. 7
☒ 3. 10
☐ 4. 9

Q.2 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. 28
☐ 2. 22
☒ 3. 17
☐ 4. 12

Q.3 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. None
 - ☐ 2. Three
 - ☐ 3. Two
 - ☐ 4. One

Q.4 What should come in place of the question mark (?) in the given series?

288 233 183 138 98 ?

- Ans**
- ☐ 1. 43
 - ☐ 2. 53
 - ☒ 3. 63
 - ☐ 4. 73

Q.5 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. 6 km to the North
 - ☐ 2. 5 km to the West
 - ☒ 3. 2 km to the West
 - ☐ 4. 4 km to the East

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 oranges are melons.

All grapes are oranges.

Conclusions:

(I) Some melons are oranges.

(II) All grapes are melons.

- 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.7 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. Five
 - ☒ 2. Four
 - ☐ 3. Two
 - ☐ 4. Three

Q.8 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. 17
 - ☒ 2. 15
 - ☒ 3. 12
 - ☒ 4. 14

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.

SACK - CSAK - KCAS
LEAP - ALEP - PAEL

- Ans**
- ☒ 1. TEMP - TMEP - PMET
 - ☒ 2. EMIT - MEIT - TMIE
 - ☒ 3. GOLD - LGOD - DLOG
 - ☒ 4. PLAY - APLY - LAYP

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. Three
 - ☒ 2. One
 - ☒ 3. Two
 - ☒ 4. Zero

Q.11 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 KHDL related, following the same logic?

- Ans**
- ☒ 1. IFJB
 - ☒ 2. FIBJ
 - ☒ 3. IFBJ
 - ☒ 4. FJJB

Q.12 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. Four
 - ☒ 2. Three
 - ☒ 3. One
 - ☒ 4. Two

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?

$$6 - 4 \times 85 + 5 \div 22 = ?$$

- Ans**
- ☐ 1. 36
 - ☒ 2. 29
 - ☐ 3. 42
 - ☐ 4. 22

Q.14 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. 8
 - ☒ 2. 15
 - ☐ 3. 10
 - ☐ 4. 0

Q.15 What should come in place of the question mark (?) in the given series?

9 15 47 91 275 ?

- Ans**
- ☐ 1. 505
 - ☒ 2. 547
 - ☐ 3. 574
 - ☐ 4. 550

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. LP-KN
 - ☒ 2. BF-AC
 - ☐ 3. EI-DG
 - ☐ 4. HL-GJ

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.

SAVE - EASV - AVSE
CROW - WRCO - ROCW

- Ans**
- ☐ 1. DEWS - EDWS - SEWD
 - ☐ 2. TERM - METR - RETM
 - ☒ 3. JUST - TUJS - USJT
 - ☐ 4. GROW - GORW - WORG

Q.18 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. 5
 - ☐ 2. 6
 - ☐ 3. 7
 - ☐ 4. 1

Q.19 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. 5
 - ☒ 2. \$
 - ☐ 3. 2
 - ☐ 4. #

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.
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.21 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. 38, 158
 - ☐ 2. 18, 142
 - ☐ 3. 21, 131
 - ☐ 4. 42, 172

Q.22 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. 95
 - ☒ 2. 92
 - ☐ 3. 98
 - ☐ 4. 86

Q.23 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. South
 - ☐ 2. East
 - ☐ 3. Northeast
 - ☒ 4. Northwest

Q.24 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. QNL 9
 - ☐ 2. PNL 9
 - ☒ 3. PMK 9
 - ☐ 4. QNK 12

Q.25 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. 6
 - ☒ 2. 7
 - ☐ 3. 8
 - ☐ 4. 5

Q.26 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. NXE
 - ☐ 2. NYE
 - ☐ 3. NEY
 - ☒ 4. NEX

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 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. OJ-RM
 - ☐ 3. GB-JE
 - ☐ 4. AV-DY

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. AWRL
 - ☐ 2. GCXR
 - ☐ 3. SOJD
 - ☒ 4. QNHB

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

Q.30 S is the father of Y. Y is the brother of R. R is the wife of U. U is the son of P. How is S related to P?

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



सत्यमेव जयते

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 Center Name	Aadarsh Pariksha Kendra CENTER A - Gate No 1 - Noida Sector 64
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 What is the official name of Kerala's 2025 healthcare reform initiative?

- Ans
- ☒ 1. Comprehensive Health Kerala
 - ☒ 2. Kerala Health System Improvement Programme
 - ☐ 3. Better Health Blueprint
 - ☐ 4. Care4Kerala Mission

Q.2 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. ₹5,000
 - ☐ 2. ₹6,000
 - ☐ 3. ₹4,000
 - ☐ 4. ₹3,000

Q.3 Who was the Chief Architect behind the integration of over 560 princely states into the Indian Union?

- Ans
- ☐ 1. Rajendra Prasad
 - ☐ 2. Jawaharlal Nehru
 - ☒ 3. Sardar Vallabhbhai Patel
 - ☐ 4. Lord Mountbatten

Q.4 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. Japan
 - ☐ 3. New Zealand
 - ☒ 4. Australia

Q.5 In which of the following cities was the 2nd edition of Khelo India Para Games 2025 held in March 2025?

- Ans
- ☒ 1. New Delhi
 - ☐ 2. Mumbai
 - ☐ 3. Hyderabad
 - ☐ 4. Bengaluru

Q.6 What is the main objective of the Khelo India scheme?

- Ans**
- ☐ 1. Build sport organisations and stadiums in metro cities
 - ☐ 2. Promote yoga in schools and colleges
 - ☒ 3. Strengthen sports culture and identify young talent
 - ☐ 4. Encourage traditional games and sports

Q.7 Which renewable energy source has the largest installed capacity in India as of the year 2025?

- Ans**
- ☐ 1. Geothermal energy
 - ☐ 2. Hydro power
 - ☐ 3. Wind energy
 - ☒ 4. Solar energy

Q.8 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. China, mid-2026
 - ☐ 3. France, late 2025
 - ☒ 4. Russia, late 2025

Q.9 Which Schedule of the Constitution deals with the administration of Scheduled Areas in states, other than the Northeast?

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

Q.10 Who among the following joined the Planning Commission as its Vice-Chairman in March 1950?

- Ans**
- ☒ 1. Gulzarilal Nanda
 - ☐ 2. Shyama Prasad Mukherjee
 - ☐ 3. Jagjeevan Ram
 - ☐ 4. John Mathai

Q.11 Which of the following combinations of shortcut keys and functions is correctly matched?

- Ans**
- ☒ 1. Ctrl + C – Copies content to the clipboard
 - ☐ 2. Ctrl + Tab – Copies the selected text
 - ☐ 3. Ctrl + F – Switches between open tabs
 - ☐ 4. Ctrl + V – Finds a specific word in the document

Q.12 Who introduced the Bharatiya Vayuyan Adhiniyam that was passed in the Rajya Sabha in December 2024?

- Ans**
- ☐ 1. Kiren Rijiju
 - ☒ 2. Ram Mohan Naidu
 - ☐ 3. Jyotiraditya M Scindia
 - ☐ 4. Hardeep Singh Puri

Q.13 Which of the following is true about the original jurisdiction of the Supreme Court of India?

- Ans**
- ☐ 1. It grants pardons to criminals
 - ☐ 2. It deals with criminal appeals only
 - ☐ 3. It reviews the decisions of tribunals
 - ☒ 4. It settles disputes between the Union and states

Q.14 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 Delhi (IIT-D)
 - ☐ 2. Indian Institute of Technology Madras (IIT-M)
 - ☐ 3. Indian Institute of Technology Bombay (IIT-B)
 - ☒ 4. Indian Institute of Technology Hyderabad (IIT-H)

Q.15 Which river from the following originates from the Amarkantak Plateau?

- Ans**
- ☒ 1. Narmada
 - ☐ 2. Ganga
 - ☐ 3. Mahanadi
 - ☐ 4. Tapti

Q.16 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.17 What does globalisation mainly mean in economic terms?

- Ans**
- ☐ 1. Limiting trade
 - ☐ 2. Closing borders
 - ☐ 3. Stopping foreign investment
 - ☒ 4. Connecting to the world economy

Q.18 Which of the following is a major challenge for Indian cities due to rapid urbanisation?

- Ans**
- ☐ 1. Enhanced walkability in all city zones
 - ☐ 2. Decline in urban unemployment
 - ☐ 3. Improved access to green spaces
 - ☒ 4. Pressure on infrastructure and services

Q.19 Which of the following Indian players won ICC Men's Player of the Month for March 2025?

- Ans**
- ☐ 1. Virat Kohli
 - ☐ 2. KL Rahul
 - ☒ 3. Shreyas Iyer
 - ☐ 4. Rohit Sharma

Q.20 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.21 The 91st Amendment of the Indian Constitution was enacted in which year?

- Ans**
- ☐ 1. 1978
 - ☐ 2. 1989
 - ☒ 3. 2003
 - ☐ 4. 2000

Q.22 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.23 Which of the following factors most influences the uneven distribution of population in India?

- Ans**
- ☐ 1. Trade union policies
 - ☐ 2. Language diversity
 - ☐ 3. National income
 - ☒ 4. Soil fertility and water availability

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. Santhal Revolt
 - ☐ 3. Munda Revolt
 - ☐ 4. Bhil Revolt

Q.25 In which of the following years was the Central Goods and Services Tax Act enacted?

- Ans**
- ☒ 1. 2017
 - ☐ 2. 2007
 - ☐ 3. 2009
 - ☐ 4. 2013

Q.26 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. Mauryas
 - ☐ 4. Satavahanas

Q.27 What was the main characteristic of the Indian economy at the time of independence in 1947?

- Ans**
- ☐ 1. Self-sufficiency in food grains
 - ☐ 2. Dominance of the industrial sector
 - ☒ 3. Predominantly agrarian with low productivity
 - ☐ 4. High per capita income

Q.28 What is the disintegration of rocks into smaller fragments without any change in their chemical composition called?

- Ans**
- ☐ 1. Exfoliation
 - ☒ 2. Mechanical weathering
 - ☐ 3. Block disintegration
 - ☐ 4. Frost Action

Q.29 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. Hand tools
 - ☐ 2. Organic compost
 - ☐ 3. Forest cover
 - ☒ 4. Chemical fertilisers

Q.30 Which Indian Army unit represented India in VINBAX, conducted in November 2024?

- Ans**
- ☐ 1. Mechanised Infantry Regiment
 - ☐ 2. Parachute Regiment
 - ☒ 3. Corps of Engineers
 - ☐ 4. Gorkha Rifles

Q.31 Which Indian judgment laid down the concept of 'Basic Structure' of the Constitution?

- Ans**
- ☐ 1. Maneka Gandhi v. Union of India
 - ☒ 2. Kesavananda Bharati v. State of Kerala
 - ☐ 3. Golaknath v. State of Punjab
 - ☐ 4. Minerva Mills v. Union of India

Q.32 The United Kingdom has signed an agreement to hand over Chagos Island to which of the following countries?

- Ans**
- ☒ 1. Mauritius
 - ☐ 2. Madagascar
 - ☐ 3. Indonesia
 - ☐ 4. Malaysia

Q.33 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 sitting judge of a High Court
 - ☒ 2. A former Judge of the Supreme Court
 - ☐ 3. A retired Cabinet Secretary of India
 - ☐ 4. A current Member of Parliament

Q.34 Which reaction occurs when an alkoxide ion attacks a primary alkyl halide via SN2 mechanism?

- Ans**
- ☒ 1. Williamson synthesis
 - ☐ 2. Friedlaender synthesis
 - ☐ 3. Coumarin synthesis
 - ☐ 4. Arndt-Eistert synthesis

Q.35 In which year was the first cases of the disease now known as acquired immunodeficiency syndrome (AIDS) identified?

- Ans**
- ☒ 1. 1981
 - ☐ 2. 1988
 - ☐ 3. 1992
 - ☐ 4. 1977

Q.36 Which of these is a distinct feature of a statutory corporation in India?

- Ans**
- ☐ 1. It has no legal existence separate from the government.
 - ☐ 2. It is fully owned by private shareholders and receives no government funding.
 - ☐ 3. Its employees are considered government civil servants under the usual rules.
 - ☒ 4. It is established by an Act, has a separate legal identity, and can sue or be sued.

Q.37 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.38 Which Indian athlete broke the women's shot put indoor national record at the Mountain West Indoor Track and Field Championships 2025?

- Ans**
- ☒ 1. Krishna Jayasankar
 - ☐ 2. Navjeet Kaur Dhillon
 - ☐ 3. Manpreet Kaur
 - ☐ 4. Kamalpreet Kaur

Q.39 The Pallava kings adopted which title to reflect that their rule was guided by the principles of the Dharmashastras?

- Ans**
- ☐ 1. Maharajadhiraja
 - ☒ 2. Dharma-Maharaja
 - ☐ 3. Rajadhiraja
 - ☐ 4. Chakravarti

Q.40 Jharkhand has announced its first tiger safari in the Barwadih Western Forest Range; it is a part of which tiger reserve?

- Ans**
- ☒ 1. Palamau Tiger Reserve
 - ☐ 2. Bandipur Tiger Reserve
 - ☐ 3. Sanjay Gandhi Tiger Reserve
 - ☐ 4. Pench Tiger Reserve

Section : Mathematics

Q.1 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.2 Aarohi 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. 107 km/hr
 - ☐ 2. 117 km/hr
 - ☐ 3. 108 km/hr
 - ☒ 4. 111 km/hr

Q.3 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. 155
☐ 3. 149
☐ 4. 146

Q.4 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. 33 hours
☐ 2. 19 hours
☒ 3. 28 hours
☐ 4. 32 hours

Q.5 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. 608
☐ 3. 614
☒ 4. 616

Q.6 David bought some sharpeners at the rate of ₹150 a dozen. He sold them for ₹43 each. His profit percentage is ____%.

- Ans** ☒ 1. 244
☐ 2. 242
☐ 3. 246
☐ 4. 248

Q.7 The exterior angle of a regular polygon is one-seventh of its interior angle. How many sides does the polygon have?

- Ans** ☐ 1. 12
☐ 2. 18
☐ 3. 24
☒ 4. 16

Q.8 The number of prime numbers lying between 397 and 407, both included, is:

- Ans** ☐ 1. 6
☒ 2. 2
☐ 3. 1
☐ 4. 4

Q.9 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. 34.52
☐ 2. 36.52
☐ 3. 33.52
☐ 4. 35.52

Q.10 Find the simple interest (in ₹) on ₹3,000 as a sum borrowed at 8% per year rate of interest for 6 years.

- Ans
- ☐ 1. 1,480
 - ☒ 2. 1,440
 - ☐ 3. 1,380
 - ☐ 4. 1,400

Q.11 Which of the following ratios is the greatest?

- Ans
- ☐ 1. 22 : 54
 - ☐ 2. 48 : 90
 - ☒ 3. 46 : 51
 - ☐ 4. 42 : 68

Q.12 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. ₹15,000
 - ☒ 4. ₹14,000

Q.13 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. 55
 - ☐ 2. 45
 - ☐ 3. 8
 - ☒ 4. 16

Q.14 The value of $\sqrt{400} + \sqrt{0.0121} - \sqrt{7.84}$ is _____.

- Ans
- ☐ 1. 4.24
 - ☐ 2. 15.32
 - ☐ 3. 2.92
 - ☒ 4. 17.31

Q.15 The simple interest on a certain sum for $8\frac{1}{2}$ years at the rate of 3.2%

What will be the amount payable on the same sum at the rate of 9.6%



- Ans
- ☐ 1. ₹14,613
 - ☐ 2. ₹14,583
 - ☐ 3. ₹14,609
 - ☒ 4. ₹14,595

Q.16 The LCM of the numbers 2.9 and 0.031 is:

- Ans
- ☒ 1. 89.9
 - ☐ 2. 899
 - ☐ 3. 0.899
 - ☐ 4. 8.99

Q.17 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. $\frac{107}{132}$
 - ☐ 2. $\frac{99}{132}$
 - ☐ 3. $\frac{103}{132}$
 - ☒ 4. $\frac{97}{132}$

Q.18 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. 196
 - ☐ 2. 186
 - ☐ 3. 185
 - ☒ 4. 195

Q.19 Evaluate 24^2 .

- Ans
- ☐ 1. 546
 - ☐ 2. 536
 - ☐ 3. 626
 - ☒ 4. 576

Q.20 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. ₹47,329
 - ☒ 2. ₹49,280
 - ☐ 3. ₹48,614
 - ☐ 4. ₹50,554

Q.21 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. 314
 - ☐ 2. 315
 - ☐ 3. 387
 - ☐ 4. 369

Q.22 Find the perimeter of a rectangular plot whose length is 68 m and area is 1904 m^2 .

- Ans
- ☐ 1. 174 m
 - ☐ 2. 165 m
 - ☐ 3. 186 m
 - ☒ 4. 192 m

Q.23 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. $\frac{1}{2}$
 - ☐ 2. $\frac{\sqrt{3}}{2}$
 - ☐ 3. $\frac{1}{3}$
 - ☐ 4. $-\frac{1}{2}$

Q.24 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. ₹5,48,600
 - ☒ 2. ₹5,55,689
 - ☐ 3. ₹5,60,789
 - ☐ 4. ₹5,70,650

Q.25 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. $\frac{70}{7}$
 - ☐ 2. $\frac{80}{8}$
 - ☒ 3. $\frac{72}{7}$
 - ☐ 4. $\frac{82}{9}$

Q.26 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. 6
 - ☒ 2. 1
 - ☐ 3. 8
 - ☐ 4. 3

Q.27 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.28 A number when increased by 80% gives 2880. The number is:

- Ans**
- ☐ 1. 800
 - ☐ 2. 3200
 - ☐ 3. 4800
 - ☒ 4. 1600

Q.29 The number 938315 is divisible by which of the following?

- Ans**
- ☐ 1. 12
 - ☐ 2. 13
 - ☒ 3. 5
 - ☐ 4. 9

Q.30 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. 21872
 - ☐ 3. 3122
 - ☒ 4. 3125

Section : General Intelligence and Reasoning

Q.1 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.2 What should come in place of the question mark (?) in the given series?

14 26 49 81 124 ?

- Ans**
- ☒ 1. 176
 - ☐ 2. 187
 - ☐ 3. 167
 - ☐ 4. 178

Q.3 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. 35
 - ☐ 2. 32
 - ☐ 3. 34
 - ☐ 4. 37

Q.4 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. Three
 - ☒ 2. Five
 - ☒ 3. Two
 - ☒ 4. Four

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. QLO
 - ☒ 2. VQU
 - ☒ 3. ZUX
 - ☒ 4. XSV

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 stars are rectangles.

All cones are rectangles.

Conclusions:

(I): Some stars are cones.

(II): Some rectangles are cones.

- 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.7 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. GDH
 - ☒ 2. GDI
 - ☒ 3. GCI
 - ☒ 4. GCH

Q.8 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. 3
 - ☒ 2. 4
 - ☒ 3. 1
 - ☒ 4. 2

Q.9 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. 11 km towards west
 - ☐ 2. 11 km towards east
 - ☐ 3. 9 km towards west
 - ☐ 4. 9 km towards south

Q.10 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. Three
 - ☐ 2. One
 - ☒ 3. None
 - ☐ 4. Two

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

691 692 690 691 689 690 688 ?

- Ans**
- ☐ 1. 688
 - ☐ 2. 690
 - ☐ 3. 687
 - ☒ 4. 689

Q.12 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. 10
 - ☐ 2. 8
 - ☐ 3. 12
 - ☐ 4. 9

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. EHC
 - ☒ 2. LKO
 - ☐ 3. UXS
 - ☐ 4. NQL

Q.14 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. WKL
 - ☐ 2. WLK
 - ☐ 3. WLB
 - ☒ 4. WBL

Q.15 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. Sister
 - ✗ 2. Mother
 - ✗ 3. Daughter
 - ✗ 4. Wife

Q.16 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. 32, 128
 - ✗ 3. 40, 180
 - ✗ 4. 35, 120

Q.17 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. BVVJ
 - ✗ 2. JVVB
 - ✓ 3. JVBV
 - ✗ 4. JBVV

Q.18 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. 45
 - ✓ 3. 57
 - ✗ 4. 43

Q.19 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. 3 km to the west
 - ✓ 2. 2 km to the east
 - ✗ 3. 2 km to the west
 - ✗ 4. 3 km to the east

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. GBVR
 - ☒ 2. SMHD
 - ☒ 3. QLFB
 - ☒ 4. BWQM

Q.21 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. MDZS
 - ☒ 3. MDSZ
 - ☒ 4. MXZS

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) 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.23 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. D
 - ☒ 2. O
 - ☒ 3. N
 - ☒ 4. A

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.

SOLD - OSLD - DOSL

BAKE - ABKE - EABK

- Ans**
- ☒ 1. NEAM - ENAM - MENA
 - ☒ 2. MILK - IMLK - KILM
 - ☒ 3. CAME - ACME - AMEC
 - ☒ 4. CURD - CRUD - DRUC

Q.25 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. Four
 - ☐ 2. Two
 - ☐ 3. Three
 - ☒ 4. Five

Q.26 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?

$$18 B 3 D 112 A 16 C 6 = ?$$

- Ans
- ☐ 1. 57
 - ☐ 2. 49
 - ☒ 3. 53
 - ☐ 4. 45

Q.27 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. 2
 - ☐ 4. 3

Q.28 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. aa
 - ☐ 2. gl
 - ☐ 3. qz
 - ☒ 4. bd

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:

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

Q.30 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. Zero
 - ☐ 3. One
 - ☒ 4. Three



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Test Center Name	Aadarsh Pariksha Kendra CENTER B - Gate No 2 - Noida Sector 64
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which of the following leaders is associated with the concept of 'Drain of Wealth' theory?

- Ans
- ☐ 1. C Rajagopalachari
 - ☐ 2. MG Ranade
 - ☒ 3. Dadabhai Naoroji
 - ☐ 4. Subhash Chandra Bose

Q.2 The Paris Agreement, adopted in 2015, aims to:

- Ans
- ☐ 1. promote water conservation
 - ☐ 2. halt desertification
 - ☒ 3. limit global temperature rise
 - ☐ 4. eliminate air pollution

Q.3 What does the abbreviation EBCDIC stand for?

- Ans
- ☐ 1. Electronic Binary Code for Data Interchange Communication
 - ☐ 2. Extended Binary Code for Digital Information Communication
 - ☐ 3. Encoded Binary Character Data Interchange Code
 - ☒ 4. Extended Binary Coded Decimal Interchange Code

Q.4 The 105th Constitutional Amendment Act, 2021, is related to which of the following?

- Ans
- ☐ 1. Women's reservation
 - ☐ 2. Creation of a National Judicial Commission
 - ☐ 3. GST reforms
 - ☒ 4. Powers of state governments to identify OBCs

Q.5 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. Minu Bhaker
 - ☐ 2. Manu Bhaker
 - ☐ 3. Swapnil Suresh Kusale
 - ☐ 4. Sarabjot Singh

Q.6 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. Shirley Botchwey
 - ☐ 3. Hanna Suchocka
 - ☐ 4. Sylvie Kinigi

Q.7 Slump is a type of:

- Ans**
- ☐ 1. rock fall
 - ☐ 2. erosion
 - ☐ 3. weathering
 - ☒ 4. landslide

Q.8 Which of the following Indian languages is spoken mainly in the state of Odisha?

- Ans**
- ☐ 1. Marathi
 - ☒ 2. Odia
 - ☐ 3. Kannada
 - ☐ 4. Punjabi

Q.9 Which of the following states shares its boundary with Bangladesh?

- Ans**
- ☒ 1. Tripura
 - ☐ 2. Nagaland
 - ☐ 3. Arunachal Pradesh
 - ☐ 4. Odisha

Q.10 The First Backward Classes Commission was appointed in which year?

- Ans**
- ☐ 1. 1966
 - ☐ 2. 1993
 - ☐ 3. 1967
 - ☒ 4. 1953

Q.11 When was the Mines Act enacted in India?

- Ans**
- ☐ 1. 1962
 - ☐ 2. 1982
 - ☒ 3. 1952
 - ☐ 4. 1972

Q.12 Who among the following Grammy-winning Indian musicians was awarded the Padma Shri in 2025?

- Ans**
- ☒ 1. Ricky Kej
 - ☐ 2. Zakir Hussain
 - ☐ 3. AR Rahman
 - ☐ 4. Shankar Mahadevan

Q.13 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. Minto-Morley reforms
 - ☐ 3. Simon Commission
 - ☒ 4. Rowlatt Act

Q.14 In May 2025, China announced visa-free access for all member states of which regional organisation?

- Ans**
- ☐ 1. European Union (EU)
 - ☐ 2. Association of Southeast Asian Nations (ASEAN)
 - ☐ 3. South Asian Association for Regional Cooperation (SAARC)
 - ☒ 4. Gulf Cooperation Council (GCC)

Q.15 Which unit of the Indonesian Special Forces participated in Exercise GARUD SHAKTI, held in November 2024?

- Ans**
- ☐ 1. Marinir
 - ☐ 2. Kostrad
 - ☒ 3. Kopassus
 - ☐ 4. TNI-AU

Q.16 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.17 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. Defence Research and Development Organisation
 - ☐ 3. Tata Advanced Systems
 - ☒ 4. Solar Defence and Aerospace Limited

Q.18 Which body is responsible for recruitment to All India Services like IAS and IPS?

- Ans**
- ☐ 1. Comptroller and Auditor General
 - ☒ 2. Union Public Service Commission
 - ☐ 3. Finance Commission
 - ☐ 4. Election Commission

Q.19 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. Chennai
 - ☐ 2. Paradip
 - ☒ 3. Nhava Sheva
 - ☐ 4. Kandla

Q.20 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. Arachis hypogea
 - ☒ 3. Trigonella foenum graecum
 - ☐ 4. Cajanus cajan

Q.21 Which of the following was NOT a kingdom based on the modern-day Tamil Nadu?

- Ans**
- ☐ 1. Chera
 - ☐ 2. Chola
 - ☐ 3. Pandya
 - ☒ 4. Rashtrakutas

Q.22 What does the abbreviation ASCII stand for?

- Ans**
- ☐ 1. Advanced Standard Communication for Information Integration
 - ☐ 2. American Standard Code for Internet Information
 - ☐ 3. Automated System Code for International Interfacing
 - ☒ 4. American Standard Code for Information Interchange

Q.23 What was the major demographic feature of India at the time of independence?

- Ans**
- ☐ 1. Aging population
 - ☐ 2. High life expectancy
 - ☐ 3. Low birth rate
 - ☒ 4. High death rate and infant mortality

Q.24 In a State government, a minister holds office:

- Ans**
- ☐ 1. as long as they enjoy the confidence of the State Legislative Council
 - ☐ 2. for a fixed five-year term
 - ☐ 3. during the pleasure of the President
 - ☒ 4. during the pleasure of the Governor

Q.25 What was Gandhi's view about the relation between means and ends in Satyagraha?

- Ans**
- ☐ 1. Violence is necessary for pure ends.
 - ☐ 2. Only ends matter, not the means.
 - ☒ 3. Pure ends require pure means.
 - ☐ 4. The ends justify the means.

Q.26 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. 3% of GDP
 - ☐ 2. 4.5% of GDP
 - ☐ 3. 6% of GDP
 - ☐ 4. Zero deficit

Q.27 Which Indian state announced a ₹6,124 crore investment to boost road connectivity and infrastructure expansion in 2025?

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

Q.28 Which of the following was NOT a component of globalisation in India's economic reforms?

- Ans**
- ☒ 1. Promoting local-only trade
 - ☐ 2. Allowing foreign technology
 - ☐ 3. Encouraging foreign direct investment
 - ☐ 4. Liberalising imports

Q.29 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. West Bengal
 - ✗ 2. Assam
 - ✗ 3. Rajasthan
 - ✗ 4. Madhya Pradesh

Q.30 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.31 Which of the following courts is known as the 'Guardian of the Constitution' in India?

- Ans**
- ✗ 1. District Court
 - ✗ 2. High Court
 - ✗ 3. Lok Adalat
 - ✓ 4. Supreme Court

Q.32 The India Infrastructure Report 2023, released in December 2023 by Shri M Venkaiah Naidu, is related to _____.

- Ans**
- ✗ 1. Rural Planning and Development
 - ✗ 2. Forest Planning and Development
 - ✗ 3. Coastal Planning and Development
 - ✓ 4. Urban Planning and Development

Q.33 The village headman during the Gupta period was commonly known as ____.

- Ans**
- ✓ 1. Gramadhyaksha
 - ✗ 2. Mahattara
 - ✗ 3. Amatyas
 - ✗ 4. Uparika

Q.34 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. Sequoia Capital
 - ✗ 4. Accel Partners

Q.35 Which type of Indian cinema refers to commercial, mainstream films primarily produced in Hindi, known for their songs, drama and spectacle?

- Ans**
- ✗ 1. Regional cinema
 - ✗ 2. Parallel cinema
 - ✓ 3. Bollywood
 - ✗ 4. Indie films

Q.36 What does the Constitution of India stipulate regarding the composition of the Election Commission of India (ECI)?

- Ans**
- ✓ 1. It may be single or multi-member; initially, there was only a Chief Election Commissioner until 1989.
 - ✗ 2. It must always be a three-member body (one Chief Election Commissioner and two Election Commissioners).
 - ✗ 3. It is constitutionally fixed as a single-member body headed by the Chief Election Commissioner (CEC) only.
 - ✗ 4. It must include one Election Commissioner from each major state to ensure federal balance

Q.37 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.38 Where was the semicryogenic engine hot test held in April 2025?

- Ans**
- ✗ 1. Down Range Station, Port Blair
 - ✗ 2. Satish Dhawan Space Centre, Sriharikota
 - ✗ 3. Vikram Sarabhai Space Centre, Thiruvananthapuram
 - ✓ 4. ISRO Propulsion Complex, Mahendra Giri

Q.39 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. 30th
 - ✓ 3. 26th
 - ✗ 4. 22nd

Q.40 Which of the following Biosphere Reserves is located in Madhya Pradesh?

- Ans**
- ✗ 1. Similipal Biosphere Reserve
 - ✗ 2. Nanda Biosphere Reserve
 - ✓ 3. Panna Biosphere Reserve
 - ✗ 4. Manas Biosphere Reserve

Section : Mathematics

Q.1 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. $\frac{39}{5}$
 - ✗ 2. $\frac{36}{4}$
 - ✗ 3. $\frac{41}{3}$
 - ✓ 4. $\frac{35}{3}$

Q.2 The angle made by a point on the ground and the top of a building with the ground is θ . If the point is x units distance away from the bottom of the building, then the height of the building is

- Ans
- ☐ 1. $\frac{x}{3}$
 - ☐ 2. $\frac{x}{\sqrt{2}}$
 - ☐ 3. $\frac{x}{2}$
 - ☒ 4. $\frac{x}{\sqrt{3}}$

Q.3 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. ₹1,28,000
 - ☐ 3. ₹1,28,112
 - ☐ 4. ₹1,27,842

Q.4 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. 112
 - ☒ 2. 84
 - ☐ 3. 56
 - ☐ 4. 140

Q.5 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. 14,767
 - ☒ 4. 14,770

Q.6 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. 15
 - ☒ 2. 14
 - ☐ 3. 17
 - ☐ 4. 10

Q.7 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. 70
 - ☐ 2. 78
 - ☐ 3. 72
 - ☐ 4. 75

Q.8 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. 11%
 - ☐ 4. 9%

Q.9 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. 800
 - ☐ 2. 836
 - ☒ 3. 816
 - ☐ 4. 840

Q.10 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. 7.89
 - ☐ 2. 5.72
 - ☒ 3. 5.33
 - ☐ 4. 6.77

Q.11 The LCM of the numbers 4.8 and 0.024 is:

- Ans**
- ☐ 1. 0.048
 - ☐ 2. 48
 - ☒ 3. 4.8
 - ☐ 4. 0.48

Q.12 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. 11.99
 - ☐ 2. 11.54
 - ☐ 3. 11.14
 - ☒ 4. 12.89

Q.13 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. ₹10,450
 - ☐ 2. ₹9,695
 - ☐ 3. ₹10,315
 - ☐ 4. ₹10,005

Q.14 Find the mean proportional between 28 and 252.

- Ans**
- ☐ 1. 81
 - ☐ 2. 86
 - ☒ 3. 84
 - ☐ 4. 83

Q.15 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. ₹43
 - ☒ 2. ₹39
 - ☐ 3. ₹35
 - ☐ 4. ₹41

Q.16 The number 578289151 is divisible by which of the following?

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

Q.17 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.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. 19
 - ☐ 2. 13
 - ☒ 3. 18
 - ☐ 4. 10

Q.19 What single discount is equivalent to three successive discounts of 24%, 26% and 18%? (Rounded off to two decimal places)

- Ans**
- ☐ 1. 51.48%
 - ☐ 2. 54.42%
 - ☒ 3. 53.88%
 - ☐ 4. 54.94%

Q.20 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. 32.82
 - ☐ 3. 33.82
 - ☐ 4. 30.82

Q.21 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. $M = N$
 - ☐ 2. $M - N = 1$
 - ☐ 3. $M + N = -4$
 - ☒ 4. $M - N = 4$

Q.22 The selling price of 25 books is equal to the cost price of 5 books. Find the loss or gain percentage.

- Ans
- ☐ 1. $\frac{100}{20}\%$ loss
 - ☐ 2. $\frac{100}{20}\%$ gain
 - ☒ 3. 80% loss
 - ☐ 4. 80% gain

Q.23 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. 1 hours
 - ☐ 3. 9 hours
 - ☐ 4. 6 hours

Q.24 By how much is 65% of 65 greater than $\frac{2}{5}$ of 45?

- Ans
- ☐ 1. 18.25
 - ☐ 2. 21.25
 - ☐ 3. 22.25
 - ☒ 4. 24.25

Q.25 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. 5 km/hr
 - ☐ 2. 11 km/hr
 - ☐ 3. 6 km/hr
 - ☐ 4. 14 km/hr

Q.26 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. 434
 - ☐ 4. 566

Q.27 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. $4\frac{324}{379}$ hours
 - ☐ 4. $13\frac{324}{379}$ hours

Q.28 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. $34\frac{8}{11}$
 - ☒ 2. $32\frac{8}{11}$
 - ☐ 3. $31\frac{8}{11}$
 - ☐ 4. $33\frac{8}{11}$

Q.29 A book with a printed price of ₹4,500 is available on successive discount of the book.

- Ans
- ☐ 1. ₹2,440
 - ☐ 2. ₹2,410
 - ☒ 3. ₹2,430
 - ☐ 4. ₹2,420

Q.30 Evaluate: $(-9) - (-60) \div (-6) + (-3) \times 6$

- Ans
- ☐ 1. -39
 - ☐ 2. -36
 - ☒ 3. -37
 - ☐ 4. -40

Section : General Intelligence and Reasoning

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

Q.2 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. 8
 - ☐ 2. 7
 - ☒ 3. 5
 - ☐ 4. 6

Q.3 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. 1
 - ☐ 2. 2
 - ☐ 3. 6
 - ☒ 4. 4

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. FIRM - RFIM - MRIF
☐ 2. SANK - SNAK - KNAS
☐ 3. RING - IRNG - GINR
☐ 4. MEAL - AMEL - EALM

Q.5 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.6 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. 13
☐ 2. 11
☐ 3. 5
☒ 4. 9

Q.7 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. 8
☐ 2. 6
☐ 3. 5
☒ 4. 2

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:

Some watches are clocks.
All clocks are pendulums.

Conclusions:

(I) Some watches are pendulums.
(II) All pendulum are clocks.

- 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.9 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. B
 ☒ 2. O
 ☒ 3. A
 ☒ 4. M

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. PG-KM
 ☒ 2. UL-PS
 ☒ 3. NE-IL
 ☒ 4. RI-MP

Q.11 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. I
 ☒ 2. F
 ☒ 3. O
 ☒ 4. K

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. HJN
 ☒ 2. XZD
 ☒ 3. SUY
 ☒ 4. EGL

Q.13 What should come in place of the question mark (?) in the given series?

53 69 87 107 129 ?

- Ans** ☒ 1. 153
 ☒ 2. 163
 ☒ 3. 168
 ☒ 4. 158

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 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. JQ-OX
 - ☒ 2. FN-KT
 - ☒ 3. GN-LU
 - ☒ 4. WD-BK

Q.15 What should come in place of the question mark (?) in the given series?

89 94 102 113 127 ?

- Ans**
- ☒ 1. 144
 - ☒ 2. 145
 - ☒ 3. 146
 - ☒ 4. 143

Q.16 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. 1 km to east
 - ☒ 2. 3 km to east
 - ☒ 3. 4 km to east
 - ☒ 4. 2 km to east

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

19 32 47 64 83 ?

- Ans**
- ☒ 1. 112
 - ☒ 2. 92
 - ☒ 3. 98
 - ☒ 4. 104

Q.18 If + means $\times$, $\times$ means $\div$ and $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$19 + 17 - 2 \div 84 \times 3 = ?$

- Ans**
- ☒ 1. 13
 - ☒ 2. 18
 - ☒ 3. 24
 - ☒ 4. 32

Q.19 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. 12
 - ☒ 2. 13
 - ☒ 3. 10
 - ☒ 4. 11

Q.20 What should come in place of ? in the given series based on the English alphabetical order?

CMT ENU GOV IPW ?

- Ans**
- ☒ 1. KQX
 - ☐ 2. JQX
 - ☐ 3. JPW
 - ☐ 4. IPW

Q.21 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. 7
 - ☐ 2. 1
 - ☒ 3. 4
 - ☐ 4. 6

Q.22 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. 1
 - ☐ 2. 4
 - ☐ 3. 3
 - ☒ 4. 2

Q.23 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. OPQ : PNT
 - ☒ 3. MJJ : LHM
 - ☐ 4. JLH : KJJ

Q.24 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. 17 km towards east
 - ☐ 2. 20 km towards west
 - ☒ 3. 3 km towards west
 - ☐ 4. 20 km towards north

Q.25 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. 3
☐ 2. 2
☐ 3. 1
☐ 4. 4

Q.26 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. ZMO
☐ 4. YNO

Q.27 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. HTO : LQS
☐ 2. HWK : LBO
☒ 3. BQN : FNT
☐ 4. UKD : YFH

Q.28 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. Both conclusions (I) and (II) follow.
☒ 2. Only conclusion (I) follows.
☐ 3. Neither conclusion (I) nor (II) follows.
☐ 4. Only conclusion (II) follows

Q.29 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.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.)

72, 145

83, 167

Ans  1. 22, 48

 2. 46, 93

 3. 54, 125

 4. 35, 73



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



Test Center Name	iON Digital Zone iDZ Kanuru Village
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.

- Options shown in green color with a tick icon are correct.
- 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 example of globalisation in India post-1991?

- Ans**
- ☒ 1. Nationalisation of major private banks
 - ☒ 2. Entry of multinational companies like Amazon and Apple
 - ☒ 3. Closure of ports
 - ☒ 4. Licensing requirement for all businesses

Q.2 Employment generation became a focus in later Five-Year Plans. Which Five-Year Plan introduced the Integrated Rural Development Programme (IRDP)?

- Ans**
- ☒ 1. Fifth Plan
 - ☒ 2. Seventh Plan
 - ☒ 3. Sixth Plan
 - ☒ 4. Fourth Plan

Q.3 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. Strengthening Maritime Alliances
 - ☒ 3. Navigating New Waters
 - ☒ 4. Voyage to New Horizons of Maritime Partnership

Q.4 During the 1857 Revolt, Indian sepoys declared which of the following as their symbolic leader?

- Ans**
- ☒ 1. Rani Lakshmibai
 - ☒ 2. Tantia Tope
 - ☒ 3. Nana Saheb
 - ☒ 4. Bahadur Shah II

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. Bhopal
 - ☒ 3. Delhi
 - ☒ 4. Amritsar

Q.6 The Kherwar movement was led by which charismatic leader?

- Ans**
- ☐ 1. Sidhu Murmu
 - ☐ 2. Tilka Manjhi
 - ☒ 3. Bhagirath Manjhi
 - ☐ 4. Birsā Munda

Q.7 Which of the four Vedas is traditionally paired with the Upaveda known as Gandharvaveda?

- Ans**
- ☐ 1. Atharvaveda
 - ☒ 2. Samaveda
 - ☐ 3. Yajurveda
 - ☐ 4. Rigveda

Q.8 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.9 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. 73rd Amendment Act, 1992
 - ☐ 4. 52nd Amendment Act, 1985

Q.10 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. Dhaka
 - ☐ 2. New Delhi
 - ☐ 3. Colombo
 - ☒ 4. Bangkok

Q.11 Which Indian institute was officially notified as an 'Institution Deemed to be University' by the Union Ministry of Education?

- Ans**
- ☐ 1. Indian Institute of Mass Communication (IIMC), New Delhi
 - ☐ 2. K R Narayanan National Institute of Visual Science and Arts, Kerala
 - ☒ 3. Film and Television Institute of India (FTII), Pune
 - ☐ 4. National School of Drama (NSD), Delhi

Q.12 Which Union Territory of India is located in the Arabian Sea?

- Ans**
- ☐ 1. Puducherry
 - ☐ 2. Chandigarh
 - ☐ 3. Andaman and Nicobar Islands
 - ☒ 4. Lakshadweep

Q.13 Who hosted the 6th BIMTEC Summit in April 2025?

- Ans**
- ☒ 1. Thailand
 - ☐ 2. Sri Lanka
 - ☐ 3. Bhutan
 - ☐ 4. Indonesia

Q.14 Which State government launched a cryogenic facility to preserve endangered plant species in February 2025?

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

Q.15 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 Madras (IIT-M)
 - ☐ 2. Indian Institute of Technology Delhi (IIT-D)
 - ☐ 3. Indian Institute of Technology Bombay (IIT-B)
 - ☒ 4. Indian Institute of Technology Kharagpur (IIT-KGP)

Q.16 Which country topped the World Press Freedom Index, 2025, released by Reporters Without Borders (RSF)?

- Ans
- ☒ 1. Norway
 - ☐ 2. Denmark
 - ☐ 3. Finland
 - ☐ 4. Sweden

Q.17 Who is the Director General of Sashastra Seema Bal (SSB) as of May 2025?

- Ans
- ☒ 1. Amrit Mohan Prasad
 - ☐ 2. Daljit Singh Chaudhary
 - ☐ 3. Anupama Nilekar Chandra
 - ☐ 4. Somit Joshi

Q.18 Which of the following states hosted the 7th edition of the Khelo India Youth Games in May 2025 along with New Delhi?

- Ans
- ☐ 1. Karnataka
 - ☐ 2. Maharashtra
 - ☐ 3. Gujarat
 - ☒ 4. Bihar

Q.19 What was one of the key effects of globalisation on the Indian economy after 1991?

- Ans
- ☐ 1. Closure of Indian banks
 - ☐ 2. Decrease in exports
 - ☐ 3. Reduction in foreign exchange reserves
 - ☒ 4. Entry of foreign companies and capital

Q.20 Lakhwar Multipurpose Project belongs to which state?

- Ans
- ☐ 1. Madhya Pradesh
 - ☐ 2. Rajasthan
 - ☐ 3. Uttar Pradesh
 - ☒ 4. Uttarakhand

Q.21 The Priest-King statue from Mohenjo-daro, a famous stone sculpture, is predominantly made of which of the following substances?

- Ans
- ☐ 1. Limestone
 - ☐ 2. Terracotta
 - ☐ 3. Bronze
 - ☒ 4. Steatite

Q.22 As announced on 30 April 2025, what major decision did the Indian Cabinet take regarding the upcoming decennial census?

- Ans**
- ☐ 1. To postpone the census indefinitely
 - ☐ 2. To eliminate caste data collection
 - ☒ 3. To include a caste-based enumeration in the next census
 - ☐ 4. To conduct the first ever digital-only census

Q.23 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.24 Bori, which is considered to be the first Lower Palaeolithic site, is in which of the following states of India?

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

Q.25 Which of the following mountain ranges belongs to the Peninsular Plateau?

- Ans**
- ☐ 1. Zaskar range
 - ☒ 2. Ajanta range
 - ☐ 3. Shivalik range
 - ☐ 4. Karakoram range

Q.26 Who among the following scientists is credited with the development of the modern Periodic Law?

- Ans**
- ☒ 1. Dmitri Mendeleev
 - ☐ 2. Ernest Rutherford
 - ☐ 3. J.J. Thomson
 - ☐ 4. John Dalton

Q.27 Which of the following options is used to change the system settings in MS Windows?

- Ans**
- ☐ 1. File Explorer
 - ☐ 2. Command Prompt
 - ☒ 3. Control Panel
 - ☐ 4. Task Manager

Q.28 Gender disparities significantly affect human development outcomes. Which of the following indicators is NOT part of the Gender Inequality Index (GII)?

- Ans**
- ☐ 1. Labour force participation
 - ☒ 2. Food consumption
 - ☐ 3. Political representation
 - ☐ 4. Maternal mortality

Q.29 Which of these elements is NOT part of the standard Windows 7 desktop?

- Ans**
- ☐ 1. Start Button
 - ☐ 2. Taskbar
 - ☒ 3. Control Panel
 - ☐ 4. Notification Area

Q.30 Which of the following Articles of the Constitution of India empowers the President to declare Scheduled Areas?

- Ans**
- ✓ 1. Article 244
 - ✗ 2. Article 146
 - ✗ 3. Article 338
 - ✗ 4. Article 370

Q.31 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. Three crore
 - ✗ 2. Four crore
 - ✗ 3. Two crore
 - ✓ 4. One crore

Q.32 Which Act ended the monopoly of the East India Company over trade with India?

- Ans**
- ✓ 1. Charter Act of 1813
 - ✗ 2. Pitt's India Act of 1784
 - ✗ 3. Charter Act of 1833
 - ✗ 4. Regulating Act of 1773

Q.33 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. Wind Power
 - ✗ 2. Small Hydro Power
 - ✓ 3. Solar Power
 - ✗ 4. Bio-Power

Q.34 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. Fractional distillation
 - ✗ 3. Rotary sublimation
 - ✗ 4. Differential extraction

Q.35 Who among the following led the official media briefing on India's Operation Sindoor in May 2025?

- Ans**
- ✗ 1. General Anil Chauhan and Air Marshal AK Bharti
 - ✓ 2. Colonel Sofiya Qureshi and Wing Commander Vyomika Singh
 - ✗ 3. Foreign Secretary Vikram Misri and Defence Minister Rajnath Singh
 - ✗ 4. Lt Gen Rajiv Ghai and Commodore Raghu R Nair

Q.36 Which Indian non-profit, profiled by IEEE Spectrum (December 2024), built AI models to predict adverse TB outcomes?

- Ans**
- ✗ 1. Piramal Swasthya
 - ✗ 2. PATH India
 - ✓ 3. Wadhvani AI
 - ✗ 4. e-VIN

Q.37 Which tunnel was inaugurated by Prime Minister Narendra Modi in Jammu and Kashmir on 13 January 2025?

- Ans**
- ☐ 1. Chenani-Nashri tunnel
 - ☐ 2. Banihal Qazigund tunnel
 - ☐ 3. Nandni tunnel
 - ☒ 4. Sonamarg tunnel

Q.38 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 certified by the Governor as necessary for public welfare
 - ☒ 4. it is reserved for the President's consideration and gets his assent

Q.39 During the Mauryan period, the village headman in North India was known by _____.

- Ans**
- ☒ 1. Gramika
 - ☐ 2. Mununda
 - ☐ 3. Pattakila
 - ☐ 4. Gavunda

Q.40 What is the primary function of the Public Accounts Committee (PAC) of the Indian Parliament?

- Ans**
- ☐ 1. To evaluate government schemes
 - ☐ 2. To assist in the election of the Speaker
 - ☐ 3. To recommend the Union Budget
 - ☒ 4. To review CAG audit reports

Section : Mathematics

Q.1 If the radius of a sphere is 24 cm, then its surface area is:

- Ans**
- ☐ 1. $2330 \pi \text{ cm}^2$
 - ☐ 2. $2280 \pi \text{ cm}^2$
 - ☒ 3. $2304 \pi \text{ cm}^2$
 - ☐ 4. $2374 \pi \text{ cm}^2$

Q.2 The simple interest on a certain sum for $4\frac{2}{5}$ years at the rate of 7.6%

What will be the amount payable on the same sum at the rate of 4.8%



- Ans**
- ☒ 1. ₹36,690
 - ☐ 2. ₹36,672
 - ☐ 3. ₹36,699
 - ☐ 4. ₹36,698

Q.3 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. 81
 - ☒ 2. -729
 - ☐ 3. -81
 - ☐ 4. 729

Q.4 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. $12\frac{3}{13}$ days
 - ☒ 2. $5\frac{3}{13}$ days
 - ☐ 3. $7\frac{3}{13}$ days
 - ☐ 4. $6\frac{3}{13}$ days

Q.5 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. 69
 - ☐ 2. 64
 - ☐ 3. 59
 - ☒ 4. 49

Q.6 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. ₹5,928
 - ☐ 2. ₹5,500
 - ☐ 3. ₹5,630
 - ☐ 4. ₹5,850

Q.7 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. 2.75 km
 - ☐ 2. 4.35 km
 - ☐ 3. 3.92 km
 - ☒ 4. 3.68 km

Q.8 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. 29
 - ☐ 2. 24
 - ☐ 3. 23
 - ☒ 4. 25

Q.9 The number of prime numbers lying between 332 and 343, both included, is:

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

Q.10 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. $2^3 \times 3^{10} \times 13^2$
 - ☐ 2. $2^2 \times 3^9 \times 13^2$
 - ☒ 3. $2^2 \times 3^{10} \times 13^2$
 - ☐ 4. $2^2 \times 3^{11} \times 13^2$

Q.11 The number 726179 is divisible by which of the following?

- Ans**
- ☐ 1. 29
 - ☐ 2. 20
 - ☐ 3. 28
 - ☒ 4. 23

Q.12 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. 2 km/hr
 - ☐ 2. 4 km/hr
 - ☐ 3. 6 km/hr
 - ☐ 4. 7 km/hr

Q.13 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. 12497
 - ☐ 3. 12501
 - ☒ 4. 12500

Q.14 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. 200
 - ☐ 2. 400
 - ☐ 3. 100
 - ☐ 4. 300

Q.15 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. 2,040
 - ☐ 2. 2,140
 - ☐ 3. 2,004
 - ☐ 4. 2,420

Q.16 The value of $2^2 + \sqrt{10^2} - 9\sqrt{16} - 17$ is

- Ans
- ☐ 1. -31
 - ☐ 2. -48
 - ☒ 3. -39
 - ☐ 4. -36

Q.17 ABCD is a quadrilateral such that $\angle A = 47^\circ$, $\angle B = 66^\circ$, $\angle C =$ is ABCD?

- Ans
- ☒ 1. Cyclic quadrilateral
 - ☐ 2. Parallelogram
 - ☐ 3. Trapezium
 - ☐ 4. Rhombus

Q.18 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. 25%
 - ☒ 3. 27%
 - ☐ 4. 28%

Q.19 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 5 months.

- Ans
- ☒ 1. ₹240
 - ☐ 2. ₹120
 - ☐ 3. ₹40
 - ☐ 4. ₹20

Q.20 Find the surface area of a cube, whose each side measures 9 cm.

- Ans
- ☐ 1. 729 cm^2
 - ☐ 2. 324 cm^2
 - ☒ 3. 486 cm^2
 - ☐ 4. 364 cm^2

Q.21 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. ₹141.10
 - ☐ 2. ₹141.30
 - ☐ 3. ₹137.10
 - ☒ 4. ₹144.40

Q.22 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. $\frac{1 + 2p}{p^2 - 1}$
 - ☒ 4. $\frac{2p}{p^2 + 1}$

Q.23 ₹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. ₹7,197
 - ☐ 2. ₹7,220
 - ☒ 3. ₹7,040
 - ☐ 4. ₹6,872

Q.24 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. 53.6 kg
 - ☒ 2. 51.6 kg
 - ☐ 3. 52.6 kg
 - ☐ 4. 50.6 kg

Q.25 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.26 A number, when increased by 60%, gives 3560. The number is:

- Ans**
- ☐ 1. 6675
 - ☐ 2. 4450
 - ☒ 3. 2225
 - ☐ 4. 1112.5

Q.27 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.28 Find the mean proportional of 225 and 4.

- Ans**
- ☐ 1. 28
 - ☐ 2. 32
 - ☐ 3. 27
 - ☒ 4. 30

Q.29 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. 121
 - ☐ 2. 133
 - ☒ 3. 120
 - ☐ 4. 125

- Q.30 Pipe P can fill $\frac{2}{7}$ part of a tank in 18 hours, and pipe Q can fill $\frac{5}{9}$ part of a tank in 18 hours. Both P and Q were kept open for 3 hours, then both were closed. Pipe R emptied the water in the tank in 8 hours. Pipes P, Q and R together

Ans ☐ 1. 38 hours
☒ 2. 42 hours
☐ 3. 53 hours
☐ 4. 25 hours

Section : General Intelligence and Reasoning

- Q.1 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. QVT
☐ 2. QXT
☐ 3. OVT
☒ 4. QXV

- Q.2 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. 43
☒ 2. 44
☐ 3. 41
☐ 4. 42

- Q.3 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. S
☐ 4. P

- 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. ZBF
☐ 2. FIM
☐ 3. PSW
☐ 4. ORV

Q.5 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. BMFG
 - ☐ 2. DOCK
 - ☒ 3. CNDL
 - ☐ 4. DNEM

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) £ \$ 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. 4
 - ☒ 3. 2
 - ☐ 4. 3

Q.7 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. Father's mother
 - ☐ 3. Wife's father's sister
 - ☒ 4. Wife's father's mother

Q.8 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. Neither conclusion (I) nor (II) follows.
 - ☒ 2. Only conclusion (II) follows.
 - ☐ 3. Only conclusion (I) follows.
 - ☐ 4. Both conclusions (I) and (II) follow.

Q.9 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. 18, 72
☒ 2. 5, 25
☒ 3. 20, 100
☒ 4. 15, 55

Q.10 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. 1
☒ 2. 7
☒ 3. 3
☒ 4. 4

Q.11 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. H
☒ 2. I
☒ 3. O
☒ 4. F

Q.12 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. 36
☒ 2. 27
☒ 3. 15
☒ 4. 21

Q.13 What should come in place of the question mark (?) in the given series?

8 13 23 38 58 ?

- Ans** ☒ 1. 80
☒ 2. 83
☒ 3. 90
☒ 4. 85

Q.14 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. 5
 - ☒ 2. 8
 - ☒ 3. 7
 - ☒ 4. 9

Q.15 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. Q
 - ☒ 2. K
 - ☒ 3. L
 - ☒ 4. I

Q.16 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. I
 - ☒ 3. L
 - ☒ 4. R

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

22 25 36 39 50 ?

- Ans**
- ☒ 1. 54
 - ☒ 2. 55
 - ☒ 3. 52
 - ☒ 4. 53

Q.18 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. 2
 - ☒ 2. 4
 - ☒ 3. 3
 - ☒ 4. 1

Q.19 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. 4 km to the South
 - ☒ 3. 5 km to the East
 - ☐ 4. 5 km to the North

Q.20 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. 1
 - ☐ 2. 6
 - ☒ 3. 9
 - ☐ 4. 5

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. MFO
 - ☒ 2. HAI
 - ☐ 3. PIR
 - ☐ 4. JCL

Q.22 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. 2
 - ☐ 2. 3
 - ☐ 3. 1
 - ☒ 4. 4

Q.23 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. TUH 94
 - ☐ 4. NAH 94

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:

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. Neither conclusion (I) nor (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.25 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. 8
 - ☐ 3. 6
 - ☐ 4. 7

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.

QMJ–GCZ

CYV–SOL

- Ans**
- ☒ 1. VRO–LHE
 - ☐ 2. UPL–JFC
 - ☐ 3. UQN–JGC
 - ☐ 4. UPL–KGD

Q.27 What should come in place of the question mark (?) in the given series?

83 91 107 139 203 ?

- Ans**
- ☐ 1. 335
 - ☐ 2. 332
 - ☐ 3. 321
 - ☒ 4. 331

Q.28 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. 16 km towards north
 - ☐ 2. 16 km towards west
 - ☐ 3. 13 km towards east
 - ☒ 4. 5 km towards west

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. QYR

✗ 2. KSM

✗ 3. HPJ

✗ 4. NVP

Q.30 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. WQER

✓ 2. OWYQ

✗ 3. LOER

✗ 4. OLPI



सत्यमेव जयते

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 Center Name	G.B Infotech
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 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. Munitions India Limited (MIL)
 - ☒ 4. Bharat Electronics Limited (BEL)

Q.2 Which Article of the Indian Constitution directs the State for promotion of cottage industries in rural areas?

- Ans**
- ☒ 1. Article 43
 - ☒ 2. Article 36
 - ☒ 3. Article 55
 - ☒ 4. Article 41

Q.3 What pigment do petunias have that gives them a reddish-purple colour in an acidic environment (low pH)?

- Ans**
- ☒ 1. Carotenes
 - ☒ 2. Betalains
 - ☒ 3. Lycopene
 - ☒ 4. Anthocyanins

Q.4 As of June 2025, how many languages are listed in the Eighth Schedule of the Indian Constitution?

- Ans**
- ☒ 1. 24
 - ☒ 2. 18
 - ☒ 3. 14
 - ☒ 4. 22

Q.5 Which of the following is the first African country to sign the International Solar Alliance (ISA) in April 2025?

- Ans**
- ☐ 1. Egypt
 - ☒ 2. Mauritius
 - ☐ 3. Senegal
 - ☐ 4. Lesotho

Q.6 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. Kota and Puri
 - ☐ 2. Pakyong and Kalaburagi
 - ☐ 3. Shirdi and Kannur
 - ☐ 4. Navi Mumbai and Itanagar

Q.7 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.8 What is the main aim of globalisation?

- Ans**
- ☐ 1. Reduce employment
 - ☐ 2. Limit foreign trade
 - ☐ 3. Increase local production
 - ☒ 4. Integrate the Indian economy with the world

Q.9 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. Odisha
 - ☐ 2. Gujarat
 - ☐ 3. Assam
 - ☒ 4. Madhya Pradesh

Q.10 Which of the following states of India has Konkani as a prominently spoken language?

- Ans**
- ☐ 1. Arunachal Pradesh
 - ☒ 2. Goa
 - ☐ 3. Assam
 - ☐ 4. Tripura

Q.11 In 1947, the Indian economy was marked by deep poverty. Which sector dominated the Indian economy at the time of independence?

- Ans**
- ☐ 1. Industrial sector
 - ☐ 2. Manufacturing sector
 - ☐ 3. Services sector
 - ☒ 4. Agricultural sector

Q.12 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. Twelve
 - ☐ 2. Fifteen
 - ☐ 3. Nine
 - ☒ 4. Six

Q.13 Which of the following plateaus lies between the Western Ghats and Eastern Ghats?

- Ans**
- ☒ 1. Deccan Plateau
 - ☐ 2. Chhota Nagpur Plateau
 - ☐ 3. Malwa Plateau
 - ☐ 4. Meghalaya Plateau

Q.14 What does the abbreviation 'MAN' stand for in computer networking?

- Ans**
- ☒ 1. Metropolitan Area Network
 - ☐ 2. Main Access Node
 - ☐ 3. Medium Access Network
 - ☐ 4. Mobile Area Network

Q.15 Which of the following is a primary memory of a computer?

- Ans**
- ☒ 1. RAM
 - ☐ 2. Hard Disk
 - ☐ 3. Floppy Disk
 - ☐ 4. CD-ROM

Q.16 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, Delhi
 - ☐ 2. Indian Institute of Technology, Kanpur
 - ☒ 3. Indian Institute of Technology, Madras
 - ☐ 4. Indian Institute of Technology, Bombay

Q.17 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. Sarvam
 - ☐ 2. Sarvana
 - ☐ 3. Sarvshresht
 - ☐ 4. Srijan

Q.18 Which of the following states was NOT formed through the State Reorganisation Act of 1956?

- Ans**
- ☐ 1. Mysore State
 - ☐ 2. Bombay State
 - ☒ 3. Goa State
 - ☐ 4. Rajasthan State

Q.19 Which novel earned Percival Everett the Pulitzer Prize for Fiction in 2025?

- Ans**
- ☒ 1. James
 - ☐ 2. The Trees
 - ☐ 3. Glyph
 - ☐ 4. Erasure

Q.20 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 10
 - ☐ 2. Goal 12
 - ☒ 3. Goal 7
 - ☐ 4. Goal 5

Q.21 Why is the net sown area low in hilly states like Himachal Pradesh and Uttarakhand?

- Ans
- ☐ 1. Because of poor soil fertility
 - ☒ 2. Because of steep slopes and thin soil layers
 - ☐ 3. Due to frequent floods
 - ☐ 4. Due to urban expansion

Q.22 The Non-cooperation Movement in 1920 included all the following, EXCEPT:

- Ans
- ☒ 1. violent attacks on officials
 - ☐ 2. closure of schools and colleges
 - ☐ 3. refusal to pay taxes
 - ☐ 4. boycott of British courts

Q.23 Which of the following is a major difference between planted and natural vegetation?

- Ans
- ☒ 1. Human supervision involved
 - ☐ 2. Presence of fruits
 - ☐ 3. Place of origin
 - ☐ 4. Number of leaves

Q.24 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.25 Which of the following officers managed stores and the supply of weapons like spears and swords during the Gupta period?

- Ans
- ☐ 1. Mahadandanayaka
 - ☐ 2. Sandhivigrahika
 - ☐ 3. Kumaramatya
 - ☒ 4. Ranabhandagarika

Q.26 What does the term 'net sown area' refer to?

- Ans
- ☐ 1. Land left uncultivated for more than five years
 - ☐ 2. Land covered with forests
 - ☐ 3. Total area under irrigation
 - ☒ 4. Total area cultivated with crops during the year

Q.27 Which mineral helps in the formation of insulin granules, digestion, metabolism and functioning of the male prostate?

- Ans
- ☐ 1. Phosphorus
 - ☐ 2. Iron
 - ☐ 3. Nickel
 - ☒ 4. Zinc

Q.28 Which of the following Indian space missions captured its first image of a solar flare in February 2025?

- Ans
- ☐ 1. Chandrayaan-3
 - ☐ 2. AstroSat
 - ☒ 3. Aditya-L1
 - ☐ 4. Mangalyaan-2

Q.29 Which Article of the Indian Constitution deals with the distribution of legislative powers between the Union and the States?

- Ans
- ☐ 1. Article 240
 - ☒ 2. Article 246
 - ☐ 3. Article 280
 - ☐ 4. Article 368

Q.30 Who organises Lok Adalats in India?

- Ans
- ☒ 1. National and State Legal Services Authorities
 - ☐ 2. Law Commission of India
 - ☐ 3. Bar Council of India
 - ☐ 4. Advocate General of State

Q.31 The Lower Palaeolithic period in India, including the Acheulian phase, spans approximately how many years BP?

- Ans
- ☐ 1. 1,00,000–10,000 years BP
 - ☐ 2. 40,000–12,000 years
 - ☐ 3. 1,65,000–31,000 years BP
 - ☒ 4. 6,00,000–1,50,000 years BP

Q.32 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 336
 - ☐ 2. Article 340
 - ☒ 3. Article 342
 - ☐ 4. Article 343

Q.33 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. Anurag Basu
 - ☐ 2. Karan Johar
 - ☐ 3. Anurag Kashyap
 - ☒ 4. Neeraj Ghaywan

Q.34 In India, Red Bull India Private Limited (RBIL) has imported and sold Red Bull Energy Drink and its variants since ____.

- Ans
- ☐ 1. 2002
 - ☒ 2. 2007
 - ☐ 3. 2000
 - ☐ 4. 2005

Q.35 Which of the following organisations oversees the Kutiyattam Kendra located in Thiruvananthapuram, Kerala, India?

- Ans**
- ☐ 1. UNESCO
 - ☐ 2. Kerala Tourism Department
 - ☒ 3. Ministry of Culture
 - ☐ 4. Ministry of Education

Q.36 In which year did India officially start economic liberalisation?

- Ans**
- ☐ 1. 2000
 - ☒ 2. 1991
 - ☐ 3. 1985
 - ☐ 4. 1995

Q.37 Select the right bank tributary of the Indus River system.

- Ans**
- ☒ 1. Kabul River
 - ☐ 2. Jhelum River
 - ☐ 3. Ravi River
 - ☐ 4. Chenab River

Q.38 Tuhin Kanta Pandey succeeded whom as the chairman of the Securities and Exchange Board of India (SEBI) in March 2025?

- Ans**
- ☐ 1. CB Bhavé
 - ☐ 2. UK Sinha
 - ☒ 3. Madhabi Puri Buch
 - ☐ 4. Ajay Tyagi

Q.39 Who is the 52nd Chief Justice of India?

- Ans**
- ☐ 1. Justice NV Ramana
 - ☐ 2. Justice Sanjiv Khanna
 - ☒ 3. Justice BR Gavai
 - ☐ 4. Justice DY Chandrachud

Q.40 Which organisation unveiled the strategic report titled 'Designing a Policy for Medium Enterprises' emphasising their role in India's development?

- Ans**
- ☐ 1. Ministry of MSME
 - ☒ 2. NITI Aayog
 - ☐ 3. Reserve Bank of India
 - ☐ 4. Confederation of Indian Industry (CII)

Section : Mathematics

Q.1 The LCM of the numbers 4.7 and 0.04 is:

- Ans**
- ☐ 1. 0.094
 - ☒ 2. 9.4
 - ☐ 3. 0.94
 - ☐ 4. 94

Q.2 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. $6\frac{78}{191}$ hours
- ✗ 2. $16\frac{78}{191}$ hours
- ✗ 3. $13\frac{78}{191}$ hours
- ✗ 4. $10\frac{78}{191}$ hours

Q.3 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. 13
- ✗ 2. 7
- ✗ 3. 15
- ✓ 4. 10

Q.4 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. $\frac{930}{19}$ % profit
- ✗ 2. 920 % loss
- ✓ 3. $\frac{920}{19}$ % loss
- ✗ 4. $\frac{920}{19}$ % profit

Q.5 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. ₹50
- ✗ 2. ₹45
- ✗ 3. ₹60
- ✗ 4. ₹40

Q.6 The value of $\sqrt{169} + \sqrt{0.0196} - \sqrt{4.41}$ is ____.

Ans

- ✓ 1. 11.04
- ✗ 2. 4.52
- ✗ 3. 5.64
- ✗ 4. 6.17

Q.7 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. 485
- ✗ 2. 474
- ✗ 3. 484.50
- ✓ 4. 494.50

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. 59.7
 - ☐ 2. 61.1
 - ☐ 3. 68.8
 - ☒ 4. 58.3

Q.9 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. 64
 - ☒ 2. 144
 - ☐ 3. 164
 - ☐ 4. 128

Q.10 If $\operatorname{cosec} \theta + \sin \theta = 2$, then find the value of $\operatorname{cosec}^6 \theta + \sin^6 \theta$.

- Ans**
- ☐ 1. $\frac{1}{2}$
 - ☒ 2. 2
 - ☐ 3. 3
 - ☐ 4. 1

Q.11 The value of $2^2 + \sqrt{5^2} - 3\sqrt{25} - 10$ is

- Ans**
- ☒ 1. -16
 - ☐ 2. -10
 - ☐ 3. -8
 - ☐ 4. -7

Q.12 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. ₹538
 - ☒ 2. ₹536
 - ☐ 3. ₹537
 - ☐ 4. ₹533

Q.13 If the third proportional of 50 and 30 is x, then what is the value of x?

- Ans**
- ☐ 1. 20
 - ☒ 2. 18
 - ☐ 3. 15
 - ☐ 4. 21

Q.14 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. 7 hours 30 minutes
 - ☒ 2. 6 hours 30 minutes
 - ☐ 3. 6 hours 45 minutes
 - ☐ 4. 5 hours 15 minutes

Q.15 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month in 4 months.

- Ans ☐ 1. 12
☐ 2. 24
☒ 3. 144
☐ 4. 32

Q.16 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. ₹155
☒ 2. ₹156
☐ 3. ₹161
☐ 4. ₹160

Q.17 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. 79°
☐ 2. 80°
☐ 3. 85°
☐ 4. 87°

Q.18 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.19 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. 59
☒ 3. 49
☐ 4. 69

Q.20 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.21 By how much is 65% of 75 greater than $\frac{3}{5}$ of 25?

- Ans ☐ 1. 27.75
☐ 2. 31.75
☐ 3. 30.75
☒ 4. 33.75

Q.22 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. 72%
 - ☐ 2. 63%
 - ☒ 3. 68%
 - ☐ 4. 71%

Q.23 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. 88
 - ☐ 3. 70
 - ☐ 4. 14

Q.24 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. 193.5
 - ☐ 2. 194.5
 - ☐ 3. 189
 - ☐ 4. 188

Q.25 Shifa can do a certain piece of work in 30 days. Shifa and Afiya can together do the same work in 20 days. Afiya and Mariyam can do the same work together in 9 days. In how many days can Shifa, Afiya and Mariyam together do the same work?

- Ans
- ☐ 1. $\frac{37}{4}$
 - ☐ 2. $\frac{40}{5}$
 - ☒ 3. $\frac{45}{4}$
 - ☐ 4. $\frac{53}{6}$

Q.26 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. increase by ₹2,753
 - ☐ 2. decrease by ₹2,753
 - ☒ 3. decrease by ₹2,751
 - ☐ 4. increase by ₹2,754

Q.27 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. ₹49,800
 - ☐ 2. ₹52,000
 - ☒ 3. ₹50,600
 - ☐ 4. ₹51,400

Q.28 The value of $2^3 - 3^2 + \left(\frac{2}{2}\right)^2 - 2 + 4 \times 7 =$ _____.

- Ans
- ☐ 1. 28
 - ☐ 2. 31
 - ☒ 3. 26
 - ☐ 4. 35

Q.29 The simple interest on a certain sum for $9\frac{1}{2}$ years at the rate of 5.9%

What will be the amount payable on the same sum at the rate of 5.6%



- Ans
- ☒ 1. ₹14,112
 - ☐ 2. ₹14,100
 - ☐ 3. ₹14,095
 - ☐ 4. ₹14,104

Q.30 The sides of a triangle are 72 cm, 90 cm, and 54 cm. What is its area? (in cm^2)

- Ans
- ☐ 1. 1954
 - ☐ 2. 1973
 - ☒ 3. 1944
 - ☐ 4. 1912

Section : General Intelligence and Reasoning

Q.1 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?

$$32 \text{ B } 5 \text{ C } 63 \text{ B } 5 \text{ D } 89 \text{ C } 9 \text{ A } 9 \text{ D } 7 = ?$$

- Ans
- ☒ 1. 380
 - ☐ 2. 349
 - ☐ 3. 293
 - ☐ 4. 308

Q.2 Refer to the following number, symbol series and answer the question that follow. Counting to be done from left to right only.

(Left) $6 \setminus \& > 3 @ 8 * \& @ 7 1 ^ @ 4 ? \setminus ? 4 5 <$ (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. One
 - ☐ 2. Four
 - ☐ 3. Two
 - ☒ 4. Three

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. NIO
 - ☐ 2. TOV
 - ☐ 3. KFM
 - ☐ 4. QLS

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 pair.)

- Ans**
- ☐ 1. FJ-MQ
 - ☐ 2. IM-PT
 - ☐ 3. MQ-TX
 - ☒ 4. KO-RW

Q.5 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. 0
 - ☒ 2. 8
 - ☐ 3. 7
 - ☐ 4. 1

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/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. (36, 20, 8)
 - ☐ 2. (12, 6, 7)
 - ☐ 3. (58, 34, 19)
 - ☒ 4. (24, 14, 9)

Q.7 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.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 gardens are forests.
All forests are meadows.

Conclusions:

(I) All gardens are meadows.
(II) All meadows are forests.

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

19 42 78 122 179 ?

- Ans**
- ☒ 1. 243
 - ☒ 2. 204
 - ☒ 3. 234
 - ☒ 4. 244

Q.10 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. Southeast
 - ☒ 2. Northwest
 - ☒ 3. Southwest
 - ☒ 4. Northeast

Q.11 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. XLC 7
 - ☒ 3. XCL 3
 - ☒ 4. DSR 9

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.

CURD - RCUD - DRUC
KIDS - DKIS - SDIK

- Ans**
- ☒ 1. SLAY - ASLY - LAYS
 - ☒ 2. WASH - SWAH - HSAW
 - ☒ 3. TEAM - TAEM - MAET
 - ☒ 4. PEAT - EPAT - TEAP

Q.13 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. Himani
 - ☒ 2. Shiv
 - ☒ 3. Karan
 - ☒ 4. Ritu

Q.14 What should come in place of the question mark (?) in the given series?

561 560 562 561 563 562 564 ?

- Ans**
- ☒ 1. 563
 - ☒ 2. 565
 - ☒ 3. 562
 - ☒ 4. 564

Q.15 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. 6 km towards the north
 - ☐ 2. 4 km towards the north
 - ☐ 3. 4 km towards the south
 - ☒ 4. 8 km towards the south

Q.16 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. 1
 - ☐ 2. 4
 - ☐ 3. 3
 - ☐ 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 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. Only conclusion (I) follows.
 - ☐ 3. Neither conclusion (I) nor (II) follows.
 - ☐ 4. Only conclusion (II) follows.

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. KO-RN
 - ☐ 2. NR-UP
 - ☐ 3. AE-HC
 - ☐ 4. QU-XS

Q.19 Raj ranked 35th from the top and 27th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 62
 - ☐ 2. 63
 - ☒ 3. 61
 - ☐ 4. 60

Q.20 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. Brother's son
☐ 3. Sister's brother
☐ 4. Sister's son

Q.21 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. FBMO
☐ 3. FOMB
☐ 4. FMOB

Q.22 What should come in place of the question mark (?) in the given series?

154 181 208 ? 262 289

- Ans** ☐ 1. 242
☐ 2. 260
☒ 3. 235
☐ 4. 228

Q.23 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. VFLR
☐ 2. VLRF
☐ 3. VRFL
☒ 4. VFRL

Q.24 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. 158
☐ 3. 157
☐ 4. 156

Q.25 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. Three
☒ 2. One
☐ 3. Two
☐ 4. Four

Q.26 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. 7
 - ☒ 2. 6
 - ☒ 3. 5
 - ☒ 4. 4

Q.27 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. 9
 - ☒ 2. 5
 - ☒ 3. 7
 - ☒ 4. 6

Q.28 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. ICZ
 - ☒ 2. LKX
 - ☒ 3. IDS
 - ☒ 4. JWZ

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. 55
 - ☒ 2. 58
 - ☒ 3. 63
 - ☒ 4. 65

Q.30 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. Two
 - ☒ 2. Three
 - ☒ 3. One
 - ☒ 4. Four



सत्यमेव जयते

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 Center Name	iON Digital Zone iDZ 2 Chinamushidiwada
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 Who was awarded the Major Dhyan Chand Khel Ratna Award 2024 for becoming the youngest World Chess Champion in January 2025?

- Ans
- ☐ 1. Nihal Sarin
 - ☐ 2. Arjun Erigaisi
 - ☐ 3. R Praggnanandhaa
 - ☒ 4. Gukesh D

Q.2 Which Indian actress was honoured at Cannes 2025 as part of the 'Women in Cinema' initiative?

- Ans
- ☐ 1. Alia Bhatt
 - ☐ 2. Deepika Padukone
 - ☐ 3. Priyanka Chopra
 - ☒ 4. Jacqueline Fernandez

Q.3 Which of the following was NOT a part of the New Economic Policy reforms introduced in 1991?

- Ans
- ☐ 1. Globalisation
 - ☐ 2. Liberalisation
 - ☐ 3. Privatisation
 - ☒ 4. Nationalisation of banks

Q.4 Who was elected as the President of Lebanon in January 2025, ending a two-year vacancy?

- Ans
- ☒ 1. Joseph Aoun
 - ☐ 2. Michel Aoun
 - ☐ 3. Hassan Diab
 - ☐ 4. Saad Hariri

Q.5 Which of the following is a good way to organise files in Windows?

- Ans
- ☒ 1. Create separate folders for different types of files
 - ☐ 2. Rename all files with random numbers
 - ☐ 3. Keep files with different subjects in one folder
 - ☐ 4. Store all files on the desktop

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. 15 January 2025
 - ☐ 2. 5 March 2025
 - ☐ 3. 5 February 2025
 - ☐ 4. 15 February 2025

Q.7 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. 104th Amendment
 - ☐ 2. 61st Amendment
 - ☐ 3. 15th Amendment
 - ☐ 4. 42nd Amendment

Q.8 A person who migrated from Pakistan after 19 July 1948 could become an Indian citizen, only if:

- Ans**
- ☒ 1. he was born in India before 1947
 - ☐ 2. he was registered by an officer of the Dominion of India
 - ☐ 3. he was a resident of Pakistan in 1948
 - ☐ 4. he took an oath of allegiance

Q.9 In which of the following years was Sanskrit declared a Classical Language in India?

- Ans**
- ☐ 1. 2003
 - ☐ 2. 2010
 - ☒ 3. 2005
 - ☐ 4. 2002

Q.10 What is the primary purpose of Judicial Review in India?

- Ans**
- ☐ 1. To elect judges
 - ☐ 2. To appoint ministers
 - ☒ 3. To examine the constitutionality of laws
 - ☐ 4. To amend the Constitution

Q.11 Which of the following could be regarded as the only positive outcome of the British reforms in India?

- Ans**
- ☐ 1. Ruralisation
 - ☒ 2. Social reform laws
 - ☐ 3. One-way free trade
 - ☐ 4. Deindustrialisation

Q.12 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. Defence Research and Development Organisation (DRDO)
 - ☐ 2. Union Ministry of Environment, Forest and Climate Change (MoEFCC)
 - ☐ 3. Indian Space Research Organisation (ISRO)
 - ☒ 4. Department of Science and Technology (DST), Government of India

Q.13 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. Van't Hoff equation
 - ☐ 2. Arrhenius equation
 - ☐ 3. Nernst - Boyle equation
 - ☒ 4. Henderson-Hasselbalch equation

Q.14 Who became the Chief Minister of Delhi after the February 2025 Legislative Assembly elections?

- Ans
- ☒ 1. Rekha Gupta
 - ☐ 2. Arvind Kejriwal
 - ☐ 3. Atishi Marlena
 - ☐ 4. Parvesh Verma

Q.15 Social life in the Vedic period was divided into how many ashramas?

- Ans
- ☐ 1. Three
 - ☐ 2. Six
 - ☐ 3. Ten
 - ☒ 4. Four

Q.16 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. 8 years
 - ☐ 3. 6 years
 - ☐ 4. 9 years

Q.17 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 happens because of atmospheric disturbances.
 - ☐ 3. It is due to the movement of glaciers.
 - ☐ 4. It is caused by excessive surface erosion.

Q.18 How did globalisation impact Indian industries?

- Ans
- ☒ 1. Gave more competition and modern technology
 - ☐ 2. Made them weaker
 - ☐ 3. Banned private companies
 - ☐ 4. Closed them down

Q.19 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.20 Which of the following cities hosted the 2025 Conferences of the Parties for the Basel, Rotterdam and Stockholm Conventions (BRS COPs)?

- Ans
- ☐ 1. Stockholm
 - ☐ 2. Rotterdam
 - ☐ 3. Hong Kong
 - ☒ 4. Geneva

Q.21 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. 8 May 1933
 - ☐ 3. 8 September 1927
 - ☐ 4. 7 May 1923

Q.22 In which of the following years was Amazon.in launched in India?

- Ans**
- ☐ 1. 2008
 - ☐ 2. 2010
 - ☐ 3. 2015
 - ☒ 4. 2013

Q.23 Which sector was the largest contributor to India's GDP between 1947 and 1991?

- Ans**
- ☐ 1. Financial sector
 - ☐ 2. Service sector
 - ☒ 3. Agriculture sector
 - ☐ 4. Industrial sector

Q.24 Which of the following is the highest Himalayan peak located in India (excluding POK)?

- Ans**
- ☐ 1. Dhaulagiri
 - ☐ 2. Mount Everest
 - ☒ 3. Kanchenjunga
 - ☐ 4. Nanga Parbat

Q.25 Who headed the Diwan-i-Arz and was responsible for managing soldiers, branding horses, and administering war provisions?

- Ans**
- ☐ 1. Naib
 - ☒ 2. Ariz-i-Mumalik
 - ☐ 3. Dabir-i-Khas
 - ☐ 4. Amir-i-Dad

Q.26 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. RAM is permanent; ROM is temporary.
 - ☐ 4. ROM is volatile and used for running programs; RAM is non-volatile and stores firmware.

Q.27 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. 151%
 - ☐ 3. 130%
 - ☒ 4. 174%

Q.28 The first session of the Indian National Congress was presided by ____.

- Ans**
- ☐ 1. Gopal Krishna Gokhale
 - ☐ 2. Dadabhai Naoroji
 - ☒ 3. Womesh Chandra Bonnerjee
 - ☐ 4. Mahadev Govind Ranade

Q.29 Which of the following is not a function of biosphere reserves?

- Ans**
- ☐ 1. Sustainable development of local communities
 - ☐ 2. Conservation of biodiversity
 - ☐ 3. Cultural heritage preservation
 - ☒ 4. Promotion of monoculture farming

Q.30 Where was the 12th International Tourism Mart (ITM) held in November 2024 to promote Northeast India's tourism potential?

- Ans**
- ☐ 1. Aizawl, Mizoram
 - ☐ 2. Shillong, Meghalaya
 - ☒ 3. Kaziranga, Assam
 - ☐ 4. Imphal, Manipur

Q.31 Durgapur Steel Plant of West Bengal is situated on the banks of which river?

- Ans**
- ☒ 1. Damodar
 - ☐ 2. Mahananda
 - ☐ 3. Teesta
 - ☐ 4. Hooghly

Q.32 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. IN-SPACe
 - ☐ 3. DRDO
 - ☐ 4. ISRO

Q.33 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 specifies 44 functional subjects to be devolved to Panchayats by States.
 - ☒ 3. It specifies 29 functional subjects to be devolved to Panchayats by States.
 - ☐ 4. It lists subjects to be legislated by the Union government.

Q.34 The retreating monsoon causes rainfall mainly in ____.

- Ans**
- ☐ 1. Maharashtra
 - ☐ 2. Assam
 - ☒ 3. Tamil Nadu
 - ☐ 4. Punjab

Q.35 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. Bharatanatyam dance
 - ☒ 2. Kathak dance
 - ☐ 3. Carnatic music
 - ☐ 4. Hindustani classical music

Q.36 Within how many days must information be provided under the RTI Act for general requests?

- Ans**
- ☐ 1. 15 days
 - ☐ 2. 60 days
 - ☒ 3. 30 days
 - ☐ 4. 20 days

Q.37 What is the industrial name for calcium sulphate hemihydrate?

- Ans**
- ☐ 1. Gypsum
 - ☐ 2. Quick lime
 - ☒ 3. Plaster of Paris
 - ☐ 4. Slaked lime

Q.38 The Appropriation Bill 2025, was introduced in the Lok Sabha by which Ministry?

- Ans**
- ☐ 1. Ministry of Home Affairs
 - ☐ 2. Ministry of Defence
 - ☐ 3. Ministry of External Affairs
 - ☒ 4. Ministry of Finance

Q.39 In May 2024, the World Health Organization (WHO) prequalified the QDENG vaccine developed by Takeda Pharmaceuticals. This vaccine is designed to protect against which disease?

- Ans**
- ☐ 1. Malaria
 - ☒ 2. Dengue
 - ☐ 3. Chikungunya
 - ☐ 4. Zika

Q.40 Which of the following is considered a non-renewable natural resource?

- Ans**
- ☐ 1. Wind energy
 - ☐ 2. Solar energy
 - ☒ 3. Natural gas
 - ☐ 4. Forests

Section : Mathematics

Q.1 The average of first 157 even numbers is

- Ans**
- ☐ 1. 158.5
 - ☒ 2. 158
 - ☐ 3. 159
 - ☐ 4. 157.5

Q.2 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.3 The LCM of the numbers 2.8 and 0.217 is:

- Ans**
- ☐ 1. 868
 - ☐ 2. 0.868
 - ☐ 3. 8.68
 - ☒ 4. 86.8

Q.4 The simple interest on a certain sum for $4\frac{5}{9}$ years at the rate of 3.6%

What will be the amount payable on the same sum at the rate of 2.7%



- Ans
- ☐ 1. ₹38,841
 - ☐ 2. ₹38,819
 - ☐ 3. ₹38,828
 - ☒ 4. ₹38,836

Q.5 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. $13\frac{191}{329}$ hours
 - ☐ 2. $10\frac{191}{329}$ hours
 - ☐ 3. $14\frac{191}{329}$ hours
 - ☒ 4. $5\frac{191}{329}$ hours

Q.6 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. $\frac{650}{7}$ % loss
 - ☐ 2. $\frac{660}{7}$ % loss
 - ☐ 3. 650 % profit
 - ☒ 4. $\frac{650}{7}$ % profit

Q.7 The sides of a triangle are 72 cm, 97 cm, and 65 cm. What is its area? (in cm^2)

- Ans
- ☒ 1. 2340
 - ☐ 2. 2323
 - ☐ 3. 2355
 - ☐ 4. 2378

Q.8 Pipe P can fill $\frac{5}{9}$ part of a tank in 25 hours, and pipe Q can fill $\frac{3}{7}$ part

Both P and Q were kept open for 3 hours, then both were closed. Pipe R emptied the water in the tank in 4 hours. Pipes P, Q and R together



- Ans
- ☐ 1. 112 hours
 - ☐ 2. 108 hours
 - ☒ 3. 105 hours
 - ☐ 4. 93 hours

Q.9 If $P = \sec\theta + \tan\theta$, then the value of $\frac{P^2 + 1}{2P}$ is:

- Ans
- ☐ 1. 0
 - ☐ 2. 1
 - ☐ 3. $\tan\theta$
 - ☒ 4. $\sec\theta$

Q.10 The product of two consecutive natural numbers is 272. The greater of the two numbers is:

- Ans
- ☐ 1. 28
 - ☐ 2. 9
 - ☒ 3. 17
 - ☐ 4. 36

Q.11 Evaluate 34^2 .

- Ans
- ☐ 1. 1186
 - ☐ 2. 1166
 - ☒ 3. 1156
 - ☐ 4. 1176

Q.12 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. 178
 - ☐ 3. 62
 - ☐ 4. 132

Q.13 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. 96°
 - ☐ 2. 91°
 - ☐ 3. 105°
 - ☒ 4. 103°

Q.14 A kurta is marked for ₹750 and sold for ₹660. The rate of discount is:

- Ans
- ☐ 1. 20%
 - ☐ 2. 15%
 - ☒ 3. 12%
 - ☐ 4. 14%

Q.15 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. 156
 - ☒ 2. 176
 - ☐ 3. 276
 - ☐ 4. 226

Q.16 The value of $\sqrt{169} + \sqrt{0.04} - \sqrt{6.76}$ is _____.

- Ans
- ☐ 1. 10.57
 - ☒ 2. 10.6
 - ☐ 3. 9.88
 - ☐ 4. 14.94

Q.17 The value of $\sqrt{169} + \sqrt{0.0324} - \sqrt{7.29}$ is ____.

- Ans
- ☐ 1. 7.76
 - ☐ 2. 4.97
 - ☒ 3. 10.48
 - ☐ 4. 16.76

Q.18 One diagonal and perimeter of a rhombus are 16 cm and 40 cm, respec

- Ans
- ☐ 1. 10 cm
 - ☐ 2. 11 cm
 - ☐ 3. 14 cm
 - ☒ 4. 12 cm

Q.19 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. 196
 - ☒ 2. 140
 - ☐ 3. 84
 - ☐ 4. 112

Q.20 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. 17
 - ☒ 2. 13
 - ☐ 3. 10
 - ☐ 4. 11

Q.21 Find the mean proportional between 15 and 240.

- Ans
- ☐ 1. 57
 - ☐ 2. 63
 - ☒ 3. 60
 - ☐ 4. 58

Q.22 ₹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. ₹3,664
 - ☐ 2. ₹3,921
 - ☐ 3. ₹3,988
 - ☒ 4. ₹3,836

Q.23 By how much is 65% of 65 greater than $\frac{3}{5}$ of 45?

- Ans
- ☐ 1. 13.25
 - ☒ 2. 15.25
 - ☐ 3. 9.25
 - ☐ 4. 12.25

Q.24 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. 35.7% decrease
 - ☐ 2. 34.5% increase
 - ☒ 3. 31.6% increase
 - ☐ 4. 32.1% decrease

Q.25 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. 10
 - ☐ 2. 54
 - ☐ 3. 11
 - ☐ 4. 93

Q.26 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 ₹5,649
 - ☐ 2. increase by ₹5,639
 - ☒ 3. decrease by ₹3,604
 - ☐ 4. increase by ₹3,644

Q.27 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. 80
 - ☐ 2. 66
 - ☐ 3. 76
 - ☒ 4. 73

Q.28 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. 25
 - ☒ 2. 29
 - ☐ 3. 28
 - ☐ 4. 34

Q.29 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 30 minutes
 - ☐ 2. 12 hours 45 minutes
 - ☐ 3. 14 hours 15 minutes
 - ☒ 4. 13 hours 45 minutes

Q.30 By selling an article at $\frac{3}{8}$ of its actual selling price, Nirbhay incurs a loss. If he sells it at 70% of its actual selling price, then the profit percentage is

- Ans
- ☐ 1. 63.3%
 - ☒ 2. 62.4%
 - ☐ 3. 60.5%
 - ☐ 4. 63.5%

Section : General Intelligence and Reasoning

Q.1 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. KOQ 8
 - ☒ 2. KOP 6
 - ☐ 3. KNO 6
 - ☐ 4. KNP 8

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. (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. 1
 - ☐ 2. 2
 - ☐ 3. 3
 - ☐ 4. 0

Q.3 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. 34
 - ☐ 3. 26
 - ☐ 4. 41

Q.4 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. (24, 967, 20)
 - ☒ 3. (39, 546, 7)
 - ☐ 4. (7, 245, 17)

Q.5 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. RVQO
 - ✗ 2. VRQO
 - ✗ 3. RVOQ
 - ✗ 4. VROQ

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.

BOAD - OBAD - BADO
DUCK - UDCK - DCKU

- Ans**
- ✗ 1. HEAP - EHAP - PEAH
 - ✓ 2. FEAN - EFAN - FANE
 - ✗ 3. CAME - ACME - AMEC
 - ✗ 4. RUSK - RSUK - KSUR

Q.7 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. UTM : SRO
 - ✗ 2. JTE : HQH
 - ✗ 3. HXB : FUE
 - ✓ 4. GSK : EPM

Q.8 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $78 \times 2 - 2 + 12 \div 6 \times 5 + 4 \div 4 \times 24 = ?$

- Ans**
- ✗ 1. 136
 - ✓ 2. 124
 - ✗ 3. 154
 - ✗ 4. 148

Q.9 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. 4 km towards South
 - ✗ 2. 2 km towards West
 - ✗ 3. 4 km towards North
 - ✓ 4. 2 km towards North

Q.10 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. Sumit
 - ✓ 4. Kavita

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. IOK
 - ☒ 2. FLG
 - ☐ 3. MSO
 - ☐ 4. RXT

Q.12 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. 5
 - ☐ 2. 3
 - ☒ 3. 2
 - ☐ 4. 7

Q.13 What should come in place of the question mark (?) in the given series?

24 ? 45 66 94 129

- Ans
- ☐ 1. 41
 - ☐ 2. 44
 - ☐ 3. 38
 - ☒ 4. 31

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. 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. Three
 - ☐ 2. One
 - ☒ 3. Two
 - ☐ 4. Four

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 mugs are cups.

Some mugs are forks.

Conclusions:

(I): Some cups are forks.

(II): Some forks are mugs.

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

Q.16 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. 12
☐ 2. 10
☐ 3. 7
☐ 4. 9

Q.17 Mayank ranked 39th from the top and 11th from the bottom in his class. How many students are there in his class?

- Ans** ☐ 1. 48
☐ 2. 47
☐ 3. 50
☒ 4. 49

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 pins are bugs.

All pins are lamps.

Conclusions:

(I): Some bugs are lamps.

(II): All lamps are pins.

- 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.19 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. W
☐ 2. R
☐ 3. Y
☐ 4. X

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. HM-JF
☐ 2. JO-LH
☒ 3. NS-PK
☐ 4. LQ-NJ

Q.21 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. 6
 - ☐ 2. 7
 - ☒ 3. 8
 - ☐ 4. 5

Q.22 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. Wife's sister
 - ☐ 2. Son's wife's sister
 - ☐ 3. Son's wife's mother
 - ☐ 4. Son's daughter

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

550 555 565 570 580 585 ? 600

- Ans**
- ☐ 1. 610
 - ☐ 2. 605
 - ☒ 3. 595
 - ☐ 4. 590

Q.24 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. FDC 11
 - ☐ 2. FEC 11
 - ☐ 3. FED 10
 - ☐ 4. GDC 10

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. YBW
 - ☐ 2. EHC
 - ☒ 3. NQK
 - ☐ 4. SVQ

Q.26 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. Two
 - ☒ 2. Three
 - ☐ 3. One
 - ☐ 4. Four

Q.27 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. Two
☐ 2. One
☐ 3. None
☐ 4. Three

Q.28 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. 2 km
☐ 2. 3 km
☐ 3. 5 km
☐ 4. 4 km

Q.29 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.30 What should come in place of the question mark (?) in the given series?

16 28 50 82 124 ?

- Ans** ☐ 1. 162
☐ 2. 194
☐ 3. 185
☒ 4. 176



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



Test Center Name	iON Digital Zone iDZ Jamshedpur
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 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.2 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. Electricity
 - ☒ 3. Tourism
 - ☐ 4. Iron and Steel

Q.3 A user wants to rename multiple files in a folder on Windows. What is the correct approach to do this efficiently?

- Ans**
- ☐ 1. Drag files to another folder and rename them there
 - ☒ 2. Select all files → Right-click → Rename → Type a base name
 - ☐ 3. Open each file and save it with a new name
 - ☐ 4. Press Ctrl + Alt + R to rename all files

Q.4 Manganese nodules are primarily found on:

- Ans**
- ☐ 1. mountain slopes
 - ☐ 2. glacier surfaces
 - ☐ 3. river deltas
 - ☒ 4. ocean beds

Q.5 Which Amendment of the Indian Constitution added Article 39A (free legal aid)?

- Ans**
- ☐ 1. 73rd Amendment
 - ☒ 2. 42nd Amendment
 - ☐ 3. 44th Amendment
 - ☐ 4. 86th Amendment

Q.6 What was the main focus of India's Second Five Year Plan with respect to the economy?

- Ans**
- ☐ 1. Promotion of tourism
 - ☒ 2. Heavy industrialisation
 - ☐ 3. Green revolution
 - ☐ 4. Expansion of services

Q.7 Which organisation released the State of the World's Children report, 2025?

- Ans**
- ☐ 1. WHO
 - ☐ 2. UNDP
 - ☒ 3. UNICEF
 - ☐ 4. UNESCO

Q.8 Who is regarded as the chief architect of India's Green Revolution?

- Ans**
- ☒ 1. MS Swaminathan
 - ☐ 2. PV Narasimha Rao
 - ☐ 3. Dr. Manmohan Singh
 - ☐ 4. Dr. Verghese Kurien

Q.9 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. 1658
 - ☐ 2. 1620
 - ☒ 3. 1639
 - ☐ 4. 1690

Q.10 Which copper-based alloy is a preferred material for making standard resistors because of its high resistivity and low temperature coefficient?

- Ans**
- ☐ 1. Brass
 - ☐ 2. Tungsten
 - ☐ 3. Alnico
 - ☒ 4. Manganin

Q.11 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. Amrita Sher-Gil
 - ☐ 3. SH Raza
 - ☐ 4. MF Husain

Q.12 September [2024] the Atacama Desert, where construction of the Extremely Large Telescope (ELT) is underway, is located in which country?

- Ans**
- ☐ 1. Peru
 - ☐ 2. Argentina
 - ☐ 3. Bolivia
 - ☒ 4. Chile

Q.13 Who launched Prismix, an AI-driven media company?

- Ans**
- ☐ 1. Shahrukh Khan
 - ☒ 2. Ajay Devgn
 - ☐ 3. Amir Khan
 - ☐ 4. Salman Khan

Q.14 On May 20, 2025, the Supreme Court reinstated which requirement for candidates aspiring to become civil judges (junior division)?

- Ans**
- ✓ 1. Three years of legal practice experience
 - ✗ 2. Mandatory Ph.D. in Law
 - ✗ 3. Passing a national-level judicial service exam
 - ✗ 4. Minimum age of 30 years

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. Dravidas
 - ✗ 3. Dasas
 - ✗ 4. Aryans

Q.16 Which social activist was awarded the Rammohan Acarya Sanman 2025 for service to rural tribal communities?

- Ans**
- ✗ 1. Irom Sharmila
 - ✓ 2. Parbati Mahato
 - ✗ 3. Medha Patkar
 - ✗ 4. Aruna Roy

Q.17 Which Article establishes the office of the President?

- Ans**
- ✗ 1. Article 74
 - ✗ 2. Article 53
 - ✗ 3. Article 75
 - ✓ 4. Article 52

Q.18 Murlikant Rajaram Petkar of Maharashtra was awarded with Arjuna Award 2024 in which of the following fields?

- Ans**
- ✗ 1. Para-Shooting
 - ✗ 2. Shooting
 - ✓ 3. Para-Swimming
 - ✗ 4. Swimming

Q.19 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. Barak 8
 - ✗ 2. Akashteer
 - ✗ 3. Prithvi Air Defence
 - ✓ 4. S-400 systems

Q.20 Which of the following gases is released when baking soda reacts with vinegar?

- Ans**
- ✗ 1. Hydrogen
 - ✓ 2. Carbon dioxide
 - ✗ 3. Carbon monoxide
 - ✗ 4. Ammonia

Q.21 Who launched the e-SeHAT application for accessible digital healthcare?

- Ans**
- ✗ 1. Pema Khandu
 - ✗ 2. Bhupendra Patel
 - ✓ 3. Omar Abdullah
 - ✗ 4. Hemant Soren

Q.22 Who was named Songwriter of the Year at the 2025 Ivor Novello Awards, held at Grosvenor House, London?

- Ans**
- ☐ 1. Sam Smith
 - ☒ 2. Charli XCX
 - ☐ 3. Ed Sheeran
 - ☐ 4. RAYE

Q.23 Which of the following countries does NOT share a land border with India?

- Ans**
- ☐ 1. Bhutan
 - ☒ 2. Thailand
 - ☐ 3. Myanmar
 - ☐ 4. Afghanistan

Q.24 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. Very Large Surface Recon Air Missile
 - ☐ 3. Variable Launch Strategic Recon Missile
 - ☐ 4. Versatile Launch System for Rocket Missiles

Q.25 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. Franklin and Chargaff
 - ☒ 4. Watson and Crick

Q.26 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. 2.0°C to 2.5°C
 - ☐ 3. 0.8°C to 1.2°C
 - ☒ 4. 1.2°C to 1.9°C

Q.27 Who piloted Vasco da Gama's ship to Calicut during his first successful voyage to India in 1498?

- Ans**
- ☐ 1. Zamorin
 - ☐ 2. Francisco Xavier
 - ☒ 3. Abdul Majid
 - ☐ 4. De Almeida

Q.28 Which shortcut key combination allows you to quickly switch between open applications on a Windows computer?

- Ans**
- ☐ 1. Ctrl + Tab
 - ☐ 2. Alt + F4
 - ☐ 3. Alt + Del
 - ☒ 4. Alt + Tab

Q.29 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.30 Which of the following services is jointly controlled by both the Union and State Governments?

- Ans**
- ☐ 1. Indian Economic Service
 - ☐ 2. State Medical Service
 - ☒ 3. Indian Administrative Service
 - ☐ 4. Central Engineering Service

Q.31 Which of the following statements about succession in the Gupta dynasty is true?

- Ans**
- ☐ 1. The ruler always declared himself divine to get the throne
 - ☐ 2. Only the eldest son could become king
 - ☐ 3. The eldest son was always crowned Yuvraj at priority
 - ☒ 4. Sons had to prove their eligibility before an assembly

Q.32 Which of the following Schedules deals with the administration and control of Scheduled Areas and Tribes?

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

Q.33 At the time of independence, India's economy was predominantly:

- Ans**
- ☒ 1. agricultural
 - ☐ 2. industrial
 - ☐ 3. service-based
 - ☐ 4. trade-based

Q.34 Which of the following is located in the west of the Deccan Plateau?

- Ans**
- ☒ 1. Western Ghats
 - ☐ 2. Eastern Ghats
 - ☐ 3. Maikal range
 - ☐ 4. Mahadeo hills

Q.35 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 Chief Justice of India, with the approval of the President
 - ☐ 4. the Union Cabinet, with advice from the Law Ministry

Q.36 In which of the following national parks were eight African cheetahs translocated from Namibia in September 2022?

- Ans**
- ☐ 1. Mukundara Tiger Reserve
 - ☒ 2. Kuno National Park
 - ☐ 3. Gandhi Sagar Wildlife Sanctuary
 - ☐ 4. Banni grasslands

Q.37 Which state hosted the 7th edition of the Khelo India Youth Games in 2025?

- Ans**
- ☒ 1. Bihar
 - ☐ 2. Gujarat
 - ☐ 3. Karnataka
 - ☐ 4. Maharashtra

Q.38 Who among the following is known for popularising Bharatanatyam on the global stage?

- Ans**
- ☐ 1. Sonal Mansingh
 - ☐ 2. Hema Malini
 - ☐ 3. Mallika Sarabhai
 - ☒ 4. Rukmini Devi Arundale

Q.39 How is the vast distance between galaxies measured?

- Ans**
- ☐ 1. In kilometres
 - ☐ 2. In miles
 - ☒ 3. In light years
 - ☐ 4. In seconds

Q.40 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. Jharkhand
 - ☒ 2. Uttar Pradesh
 - ☐ 3. Chhattisgarh
 - ☐ 4. Odisha

Section : Mathematics

Q.1 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. 229 km/hr
 - ☐ 2. 221 km/hr
 - ☐ 3. 231 km/hr
 - ☒ 4. 227 km/hr

Q.2 The LCM of the numbers 14.2 and 0.05 is:

- Ans**
- ☒ 1. 14.2
 - ☐ 2. 142
 - ☐ 3. 1.42
 - ☐ 4. 0.142

Q.3 The product of two consecutive natural numbers is 30. The greater of the two numbers is:

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

Q.4 If the third proportional of 8 and 56 be x, then what is the value of x?

- Ans**
- ☐ 1. 393
 - ☐ 2. 394
 - ☒ 3. 392
 - ☐ 4. 390

Q.5 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. 133
 - ☐ 2. 120
 - ☒ 3. 96
 - ☐ 4. 48

Q.6 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. 183
 - ☐ 4. 197

Q.7 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. 3
 - ☐ 3. 8
 - ☐ 4. 4

Q.8 The sum of two numbers is 115 and their L.C.M. is 600. What are the two numbers?

- Ans**
- ☒ 1. 40, 75
 - ☐ 2. 45, 70
 - ☐ 3. 38, 77
 - ☐ 4. 33, 82

Q.9 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.10 Ishan bought some pens at the rate of ₹150/dozen. He sold them for ₹17 each. His profit percentage is ____%.

- Ans**
- ☒ 1. 36
 - ☐ 2. 38
 - ☐ 3. 40
 - ☐ 4. 34

Q.11 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. 14.29%
 - ✗ 2. 12%
 - ✗ 3. 20%
 - ✗ 4. 16.67%

Q.12 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. $4\frac{41}{61}$ days
 - ✗ 3. $11\frac{41}{61}$ days
 - ✗ 4. $7\frac{41}{61}$ days

Q.13 The value of $7^2 + \sqrt{10^2} - 2\sqrt{64} - 6$ is

- Ans**
- ✓ 1. 37
 - ✗ 2. 46
 - ✗ 3. 38
 - ✗ 4. 29

Q.14 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. 40%
 - ✓ 2. 46%
 - ✗ 3. 33%
 - ✗ 4. 50%

Q.15 The value of $\sqrt{196} + \sqrt{0.0324} - \sqrt{5.76} =$

- Ans**
- ✗ 1. 16.52
 - ✗ 2. 3.21
 - ✗ 3. 8.04
 - ✓ 4. 11.78

Q.16 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. 11 years
 - ✓ 2. 9 years
 - ✗ 3. 3 years
 - ✗ 4. 17 years

Q.17 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. $\frac{80}{7}$
 - ☒ 2. $\frac{90}{7}$
 - ☒ 3. $\frac{83}{8}$
 - ☒ 4. $\frac{85}{9}$

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. ₹1,84,800
 - ☒ 2. ₹1,84,910
 - ☒ 3. ₹1,84,849
 - ☒ 4. ₹1,84,602

Q.19 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. $2(1 + \sin A \cdot \cos A)$
 - ☒ 2. $\sin A + \cos A - 2$
 - ☒ 3. $\sin A - \cos A + 2$
 - ☒ 4. $\sin A \cdot \cos A + 2$

Q.20 The LCM of the numbers 10.8 and 0.06 is:

- Ans**
- ☒ 1. 108
 - ☒ 2. 0.108
 - ☒ 3. 1.08
 - ☒ 4. 10.8

Q.21 The sum of two numbers is 81 and their L.C.M. is 420. What are the two numbers?

- Ans**
- ☒ 1. 19, 62
 - ☒ 2. 14, 67
 - ☒ 3. 26, 55
 - ☒ 4. 21, 60

Q.22 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month in 5 months.

- Ans**
- ☒ 1. 35
 - ☒ 2. 15
 - ☒ 3. 180
 - ☒ 4. 30

Q.23 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. 1 hours
 - ☐ 3. 8 hours
 - ☒ 4. 11 hours

Q.24 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. 34
 - ☐ 3. 33
 - ☐ 4. 37

Q.25 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. ₹1,30,000
 - ☒ 2. ₹1,04,000
 - ☐ 3. ₹84,000
 - ☐ 4. ₹1,08,160

Q.26 A number when increased by 100% gives 2690. The number is:

- Ans**
- ☒ 1. 1345
 - ☐ 2. 2690
 - ☐ 3. 672.5
 - ☐ 4. 4035

Q.27 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. 88%
 - ☐ 2. 96%
 - ☒ 3. 91%
 - ☐ 4. 89%

Q.28 Find the area of a triangle whose sides are of lengths 5 cm, 12 cm and 13 cm.

- Ans**
- ☒ 1. 30 cm²
 - ☐ 2. 32.5 cm²
 - ☐ 3. 60 cm²
 - ☐ 4. 78 cm²

Q.29 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. 45.6%
 - ☐ 2. 42%
 - ☐ 3. 45%
 - ☐ 4. 44.5%

Q.30 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

Section : General Intelligence and Reasoning

Q.1 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. PWL : UTG
 - ☐ 2. YNQ : BIT
 - ☐ 3. MUV : QPZ
 - ☐ 4. FLH : KHM

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. WAG
 - ☐ 2. CGM
 - ☐ 3. JNT
 - ☒ 4. NRY

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 pins are bricks.
All pins are rulers.

Conclusions:

(I) Some bricks are rulers.
(II) All rulers are pins.

- 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.4 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. JUG : KVI
 - ☐ 2. TYC : UZE
 - ☒ 3. CUT : DVU
 - ☐ 4. POI : QPK

Q.5 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. 22 km towards south
 - ☐ 2. 18 km towards east
 - ☒ 3. 22 km towards north
 - ☐ 4. 18 km towards south

Q.6 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. Two
 - ☐ 2. Four
 - ☐ 3. One
 - ☒ 4. Three

Q.7 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. wh
 - ☐ 2. ch
 - ☐ 3. nv
 - ☒ 4. to

Q.8 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. 69
 - ☐ 2. 72
 - ☒ 3. 70
 - ☐ 4. 71

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.

HARD - AHRD - DRAH
ITEM - TIEM - METI

- Ans**
- ☐ 1. LONG - OLNG - ONGL
 - ☐ 2. WENT - EWNT - TENW
 - ☐ 3. BITE - BTIE - ETIB
 - ☒ 4. DUSK - UDSK - KSUD

Q.10 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. EHO 127
 - ☒ 2. EWO 127
 - ☐ 3. EWO 128
 - ☐ 4. FWO 127

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

- Q.12** What should come in place of the question mark (?) in the given series?

48 69 94 123 156 ?

- Ans** ☒ 1. 193
☒ 2. 203
☒ 3. 213
☒ 4. 223

- Q.13** 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. Four
☒ 2. Two
☒ 3. One
☒ 4. Three

- Q.14** 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. 3
☒ 2. 2
☒ 3. 4
☒ 4. 7

- Q.15** 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 sister
☒ 2. Wife's mother
☒ 3. Wife's brother
☒ 4. Wife's father

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. Three
 - ☐ 2. None
 - ☐ 3. Two
 - ☒ 4. One

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 pair.)

- Ans**
- ☐ 1. DG-JO
 - ☐ 2. BE-HM
 - ☐ 3. SV-YD
 - ☒ 4. FI-LO

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.)

96, 12
184, 23

- Ans**
- ☐ 1. 130, 16
 - ☐ 2. 164, 20
 - ☒ 3. 144, 18
 - ☐ 4. 172, 21

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

6 6 12 36 ? 720

- Ans**
- ☐ 1. 120
 - ☒ 2. 144
 - ☐ 3. 108
 - ☐ 4. 172

Q.20 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. 18
 - ☐ 2. 12
 - ☐ 3. 16
 - ☐ 4. 14

Q.21 What should come in place of the question mark (?) in the given series?

92 83 74 ? 56 47 38

- Ans**
- ☒ 1. 65
 - ☐ 2. 67
 - ☐ 3. 62
 - ☐ 4. 69

Q.22 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. Three
 - ☐ 2. None
 - ☒ 3. Two
 - ☐ 4. Four

Q.23 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. RYF 321
 - ☐ 3. ROF 321
 - ☐ 4. YYF 321

Q.24 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. 2 km to the South
 - ☐ 2. 1 km to the East
 - ☐ 3. 2 km to the North
 - ☒ 4. 1 km to the West

Q.25 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. Two
 - ☐ 2. Four
 - ☐ 3. Three
 - ☒ 4. One

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. MI-QW
 - ☐ 2. VZ-DJ
 - ☐ 3. GK-OU
 - ☐ 4. QU-YE

Q.27 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. 90th
 - ☐ 2. 93rd
 - ☒ 3. 91st
 - ☐ 4. 92nd

Q.28 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. One
 - ☐ 3. Two
 - ☐ 4. Three

Q.29 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. One
 - ☐ 3. Three
 - ☐ 4. None

Q.30 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. Three
 - ☒ 2. Zero
 - ☐ 3. Five
 - ☐ 4. Four



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



Test Center Name	TCS Gito Bitan
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.

- Options shown in green color with a tick icon are correct.
- 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 example of chemical weathering?

- Ans**
- ☐ 1. Frost action
 - ☐ 2. Exfoliation
 - ☐ 3. Abrasion
 - ☒ 4. Oxidation

Q.2 Equal pay for equal work is ensured under which Article?

- Ans**
- ☐ 1. Article 43
 - ☒ 2. Article 39(d)
 - ☐ 3. Article 42
 - ☐ 4. Article 39(a)

Q.3 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. The private sector and DPSUs equally
 - ☐ 4. Only DPSUs

Q.4 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. 2014
 - ☐ 2. 2008
 - ☐ 3. 2005
 - ☐ 4. 2001

Q.5 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. Sebastián Lelio
 - ☐ 2. Pablo Larraín
 - ☒ 3. Diego Céspedes
 - ☐ 4. Andrés Wood

Q.6 Which Indian minister highlighted India's economic growth and IT advancements at Davos 2025?

- Ans**
- ☐ 1. Nirmala Sitharaman
 - ☐ 2. Rajnath Singh
 - ☒ 3. Ashwini Vaishnaw
 - ☐ 4. Piyush Goyal

Q.7 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. Thiruvananthapuram, Kerala
 - ☐ 2. Bengaluru, Karnataka
 - ☐ 3. Patna, Bihar
 - ☒ 4. Amaravati, Andhra Pradesh

Q.8 Who was the sole representative of the Indian National Congress in the 2nd Round Table Conference of 1931?

- Ans**
- ☐ 1. Jawaharlal Nehru
 - ☐ 2. Chittaranjan Das
 - ☐ 3. Dr B R Ambedkar
 - ☒ 4. Mahatma Gandhi

Q.9 Which of the following tribunals deals specifically with service-related matters of public servants?

- Ans**
- ☐ 1. Armed Forces Tribunal
 - ☐ 2. Income Tax Appellate Tribunal
 - ☐ 3. National Green Tribunal
 - ☒ 4. Central Administrative Tribunal

Q.10 In which State will north India's first nuclear project be set up?

- Ans**
- ☐ 1. Himachal Pradesh
 - ☒ 2. Haryana
 - ☐ 3. Uttarakhand
 - ☐ 4. Punjab

Q.11 Under which Article does the Supreme Court of India exercise original jurisdiction in cases involving the violation of Fundamental Rights?

- Ans**
- ☐ 1. Article 131
 - ☒ 2. Article 32
 - ☐ 3. Article 136
 - ☐ 4. Article 226

Q.12 Which of the following actions will move a file to the Recycle Bin in Windows?

- Ans**
- ☐ 1. Right-click the file → Select Rename
 - ☐ 2. Drag the file into Taskbar
 - ☐ 3. Press Enter on the selected file
 - ☒ 4. Right-click the file → Select Delete

Q.13 The Golden Quadrilateral connects which of the following four major metro cities?

- Ans**
- ☒ 1. Delhi, Chennai, Kolkata, Mumbai
 - ☐ 2. Mumbai, Kolkata, Bhopal, Bengaluru
 - ☐ 3. Delhi, Bengaluru, Hyderabad, Chennai
 - ☐ 4. Delhi, Mumbai, Hyderabad, Kolkata

Q.14 Which sector was most affected by liberalisation in India?

- Ans**
- ☐ 1. Agriculture
 - ☐ 2. IT
 - ☒ 3. Industry and Services
 - ☐ 4. Public Distribution

Q.15 Which of the following techniques was used by the Harappans to create bronze sculptures?

- Ans**
- ☐ 1. Engraving
 - ☐ 2. Hand-molding
 - ☐ 3. Stone carving
 - ☒ 4. Lost-wax casting

Q.16 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. Retreating Monsoon
 - ☐ 2. Cyclonic Depressions of Arabian Sea
 - ☐ 3. Monsoon Wind striking the Western Coast
 - ☐ 4. Cyclonic Depressions of Bay of Bengal

Q.17 Arthashastra, which formed the basis of governance and administration during the Mauryan period, discussed which of the following problems of the citizens?

- Ans**
- ☒ 1. Socio-economic problems
 - ☐ 2. Geo-political problems of the kingdom
 - ☐ 3. Cross-border and educational issues
 - ☐ 4. Ethical and morality issues of the rulers

Q.18 Which of the following pairs is correctly matched with both its abbreviation and its function?

- Ans**
- ☐ 1. RAM – Read Access Memory – Runs the operating system even after power is off
 - ☐ 2. CPU – Central Processing Unit – Stores user files permanently
 - ☐ 3. PCB – Printed Chip Base – Transfers data from CPU to display
 - ☒ 4. ROM – Read Only Memory – Stores boot instructions needed when the computer is powered on

Q.19 According to the 2024 World Happiness Report, which country was ranked as the happiest?

- Ans**
- ☐ 1. Sweden
 - ☐ 2. Denmark
 - ☐ 3. Iceland
 - ☒ 4. Finland

Q.20 Who is described as the 'permanent executive'?

- Ans**
- ☐ 1. The heads of government and their ministers
 - ☐ 2. Judges of the Supreme Court
 - ☐ 3. Members of the elected Parliament
 - ☒ 4. The permanent civil servants who manage daily administration

Q.21 What is the primary objective of the Inter-Services Organisations (Command, Control & Discipline) Rules, which came into effect from May 2025?

- Ans**
- ☐ 1. To integrate paramilitary forces under the Ministry of Defence
 - ☐ 2. To privatise defence manufacturing
 - ☒ 3. To establish a unified military command structure
 - ☐ 4. To centralise intelligence operations

Q.22 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. 40%
 - ☒ 3. 60%
 - ☐ 4. 50%

Q.23 Which of the following changes would need the approval of at least half of all State Legislatures?

- Ans**
- ☐ 1. Altering the Union List of subjects
 - ☐ 2. Rewriting the Preamble's text
 - ☒ 3. Amending the Emergency provisions in Part XVIII
 - ☐ 4. Changing the Guarantee of Fundamental Rights

Q.24 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.25 Aruna Asaf Ali is widely remembered for hoisting the Indian National flag during the Quit India Movement in 1942 at the ____.

- Ans**
- ☒ 1. Gowalia Tank Maidan, Bombay
 - ☐ 2. Pragati Maidan, Delhi
 - ☐ 3. Gandhi Maidan, Patna
 - ☐ 4. Shivaji Park, Bombay

Q.26 Which tribal leader led the Munda Ulgulan (rebellion) in the 1890s?

- Ans**
- ☐ 1. Tilka Manjhi
 - ☐ 2. Gunda Dhur
 - ☐ 3. Tana Bhagat
 - ☒ 4. Birsa Munda

Q.27 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. Invest In Our Planet
 - ☐ 2. Land Restoration, Desertification and Drought Resilience
 - ☒ 3. Partnerships for Accelerating Sustainable Development and Climate Solutions
 - ☐ 4. Ecosystem Restoration

Q.28 Which of the following is the largest source of electricity generation in India?

- Ans**
- ☐ 1. Wind energy
 - ☒ 2. Thermal power
 - ☐ 3. Nuclear energy
 - ☐ 4. Solar energy

Q.29 Which key urban feature of Indus Valley cities shows advanced planning with streets intersecting at right angles and covered drains?

- Ans**
- ☐ 1. Slums
 - ☒ 2. Grid-pattern layout
 - ☐ 3. Citadel only
 - ☐ 4. Forts

Q.30 Between 1991 and 2020, India's export-import trends show:

- Ans**
- ☐ 1. Continuous decline of imports
 - ☐ 2. Trade surplus every year
 - ☐ 3. Export-to-import ratio remaining at 1:1
 - ☒ 4. Rising imports outpacing exports and widening the trade deficit

Q.31 The ampere magnitude is determined by setting the numerical value of the elementary charge equal to ____ .

- Ans**
- ☒ 1. $1.602176634 \times 10^{-19} \text{ C}$
 - ☐ 2. $1.624432754 \times 10^{-17} \text{ C}$
 - ☐ 3. $1.611547243 \times 10^{-19} \text{ C}$
 - ☐ 4. $1.655908436 \times 10^{-18} \text{ C}$

Q.32 What was India's rank in the 2025 Human Development Index (HDI) released by the United Nations Development Programme (UNDP)?

- Ans**
- ☐ 1. 125
 - ☒ 2. 130
 - ☐ 3. 140
 - ☐ 4. 135

Q.33 Which state's physiography is largely defined by the Indo-Gangetic Plain?

- Ans**
- ☐ 1. Jharkhand
 - ☐ 2. Sikkim
 - ☐ 3. Rajasthan
 - ☒ 4. Uttar Pradesh

Q.34 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. Know Your DIGIPIN and Know Your PIN Code web platforms
 - ✗ 2. GeoLocate India and Postal Code Finder
 - ✗ 3. India Address Precision System and Postal Service Enhancer
 - ✗ 4. Digital India Address Mapping and National Postal Tracker

Q.35 What was the position of India in 2014 among the economies of the world?

- Ans**
- ✗ 1. 15th largest
 - ✓ 2. 10th largest
 - ✗ 3. 12th largest
 - ✗ 4. 7th largest

Q.36 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. Larsen & Toubro
 - ✓ 2. Alpha Tocol Engineering Services
 - ✗ 3. Tata Advanced Systems
 - ✗ 4. Mahindra Defence

Q.37 Which of the following quantities has both magnitude and direction?

- Ans**
- ✗ 1. Time
 - ✓ 2. Velocity
 - ✗ 3. Speed
 - ✗ 4. Distance

Q.38 What does the closeness of magnetic field lines indicate about the magnetic field?

- Ans**
- ✗ 1. Direction of the magnetic field
 - ✗ 2. Direction of the electric field
 - ✓ 3. Relative strength of the magnetic field
 - ✗ 4. Presence of electric charge

Q.39 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. Trishul
 - ✗ 2. Akash-NG
 - ✓ 3. Project Kusha
 - ✗ 4. Agni-V

Q.40 Launched by the former Vice-President Jagdeep Dhankhar in May 2025, who is the author of the book 'Chunautiyan Mujhe Pasand Hain'?

- Ans**
- ✓ 1. Anandiben Patel
 - ✗ 2. Pratap Shukla
 - ✗ 3. Santosh Kumar Gangwar
 - ✗ 4. Thaawarchand Gehlot

Section : Mathematics

Q.1 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. $\frac{100}{751}\%$ loss
 - ✗ 2. $\frac{100}{751}\%$ profit
 - ✗ 3. 100 % loss
 - ✗ 4. $\frac{110}{751}\%$ profit

Q.2 The number 242425 is divisible by which of the following?

- Ans**
- ✗ 1. 13
 - ✗ 2. 6
 - ✓ 3. 5
 - ✗ 4. 9

Q.3 Find the value of x satisfying: $3(3x^2 - 6) - 3(3x^2 + 5x - 7) = 19$

- Ans**
- ✗ 1. $-\frac{13}{15}$
 - ✗ 2. $-\frac{14}{15}$
 - ✓ 3. $-\frac{16}{15}$
 - ✗ 4. $-\frac{26}{15}$

Q.4 The LCM of the numbers 2.9 and 0.031 is:

- Ans**
- ✓ 1. 89.9
 - ✗ 2. 0.899
 - ✗ 3. 899
 - ✗ 4. 8.99

Q.5 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. 1,457
 - ✓ 2. 1,206
 - ✗ 3. 1,441
 - ✗ 4. 1,194

Q.6 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. 47
 - ✗ 3. 52
 - ✗ 4. 57

Q.7 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. 6.3 km
 - ✗ 2. 4.7 km
 - ✗ 3. 15.2 km
 - ✗ 4. 2.5 km

Q.8 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. $\frac{185}{253}$
 - ✗ 2. $\frac{181}{253}$
 - ✗ 3. $\frac{192}{253}$
 - ✗ 4. $\frac{193}{253}$

Q.9 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. 8,963
 - ✗ 2. 8,962
 - ✗ 3. 8,958
 - ✓ 4. 8,960

Q.10 Simplify: $\frac{(1 + \sin A)(\sec A - \tan A)}{\operatorname{cosec} A(1 - \cos A)(\operatorname{cosec} A + \cot A)}$

- Ans**
- ✗ 1. 2
 - ✗ 2. $\tan A$
 - ✗ 3. 1
 - ✓ 4. $\cos A$

Q.11 By how much is 65% of 75 greater than $\frac{3}{5}$ of 55?

- Ans**
- ✗ 1. 9.75
 - ✗ 2. 13.75
 - ✓ 3. 15.75
 - ✗ 4. 12.75

Q.12 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. 216
 - ✓ 2. 512
 - ✗ 3. 343
 - ✗ 4. 729

Q.13 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. 186
 - ☐ 2. 195.5
 - ☐ 3. 187
 - ☒ 4. 194.5

Q.14 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. ₹38,625
 - ☐ 2. ₹38,610
 - ☐ 3. ₹38,685
 - ☒ 4. ₹38,640

Q.15 What smallest number should be added to 19964 so that the sum is completely divisible by 76?

- Ans**
- ☐ 1. 22
 - ☒ 2. 24
 - ☐ 3. 25
 - ☐ 4. 21

Q.16 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. ₹864
 - ☐ 2. ₹890
 - ☐ 3. ₹880
 - ☐ 4. ₹870

Q.17 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. 201 : 390
 - ☒ 2. 200 : 387
 - ☐ 3. 198 : 382
 - ☐ 4. 202 : 384

Q.18 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. iii
 - ☐ 2. i
 - ☐ 3. iv
 - ☐ 4. ii

Q.19 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. 90
 - ☐ 2. 60
 - ☐ 3. 80
 - ☒ 4. 9

Q.20 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. 2,200
☐ 2. 2,104
☐ 3. 2,202
☐ 4. 2,116

Q.21 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. 36
☒ 3. 31
☐ 4. 32

Q.22 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. $\frac{60}{6}$
☐ 2. $\frac{74}{5}$
☐ 3. $\frac{64}{4}$
☒ 4. $\frac{65}{4}$

Q.23 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. 15%
☐ 2. 17%
☒ 3. 25%
☐ 4. 29%

Q.24 The product of two consecutive natural numbers is 650. The greater of the two numbers is:

- Ans** ☐ 1. 43
☐ 2. 29
☒ 3. 26
☐ 4. 31

Q.25 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. ₹831
☐ 2. ₹830
☐ 3. ₹825
☒ 4. ₹828

Q.26 Find the value of: $69^{-4} \div 69^{15} \times 69^{-9}$

- Ans
- ☐ 1. 69^{-38}
 - ☐ 2. 69^{-37}
 - ☐ 3. 69^{-23}
 - ☒ 4. 69^{-28}

Q.27 The simple interest on a certain sum for $2\frac{7}{8}$ years at the rate of 2.9%

What will be the amount payable on the same sum at the rate of 4.5%

- Ans
- ☐ 1. ₹1,24,608
 - ☐ 2. ₹1,24,574
 - ☐ 3. ₹1,24,590
 - ☒ 4. ₹1,24,592

Q.28 ₹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. ₹25,611
 - ☐ 2. ₹25,582
 - ☒ 3. ₹25,648
 - ☐ 4. ₹25,828

Q.29 Find the value of: $[138 \div \{13 + 7 \times (3 - 4)\}]$.

- Ans
- ☐ 1. 20
 - ☐ 2. 27
 - ☐ 3. 18
 - ☒ 4. 23

Q.30 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. 11 km/hr
 - ☒ 2. 3 km/hr
 - ☐ 3. 8 km/hr
 - ☐ 4. 10 km/hr

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. BG-UZ
 - ☐ 2. XC-QV
 - ☒ 3. PU-IM
 - ☐ 4. KP-DI

Q.2 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. Saras
 - ☐ 3. Kajal
 - ☐ 4. Vani

Q.3 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. 4
 - ☐ 2. 14
 - ☒ 3. 7
 - ☐ 4. 6

Q.4 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 west
 - ☐ 3. 7 km to the west
 - ☐ 4. 6 km to the east

Q.5 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. 41 km towards the south
 - ☐ 2. 42 km towards the north
 - ☐ 3. 39 km towards the south
 - ☒ 4. 37 km towards the north

Q.6 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. 18
 - ☒ 2. 24
 - ☐ 3. 26
 - ☐ 4. 20

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. L
 - ☐ 4. D

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 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. VQ - CF
 - ☐ 4. JE - QT

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. TJ - QE
 - ☐ 2. ZC - WX
 - ☒ 3. OD - KY
 - ☐ 4. KL - HG

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 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. 4
 - ☐ 2. 8
 - ☒ 3. 5
 - ☐ 4. 9

Q.11 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. 32
 - ☐ 3. 30
 - ☐ 4. 33

Q.12 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. 8
 - ☐ 2. 6
 - ☒ 3. 10
 - ☐ 4. 7

Q.13 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.14 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. OEFG
☐ 2. REEG
☐ 3. QDEH
☒ 4. PFFH

Q.15 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. 2
☐ 2. 4
☐ 3. 3
☐ 4. 1

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

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

Q.18 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. 8
 - ☒ 2. 4
 - ☐ 3. 2
 - ☐ 4. 7

Q.19 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. 4
 - ☒ 2. 3
 - ☐ 3. 5
 - ☐ 4. 6

Q.20 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. 32
 - ☒ 4. 45

Q.21 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. 21st
 - ☐ 2. 20th
 - ☐ 3. 22nd
 - ☐ 4. 23rd

Q.22 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. LHC : PEG
 - ☐ 2. LBO : PGS
 - ☐ 3. PNW : TKA
 - ☒ 4. TTE : XRB

Q.23 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. GZS 55
 - ☐ 2. GJS 55
 - ☐ 3. GZI 55
 - ☐ 4. HZS 55

Q.24 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 father
 - ☐ 3. Father's brother
 - ☐ 4. Mother's father

Q.25 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. 5
 - ☐ 2. 3
 - ☐ 3. 2
 - ☐ 4. 1

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

60 71 93 137 225 ?

- Ans**
- ☐ 1. 402
 - ☒ 2. 401
 - ☐ 3. 403
 - ☐ 4. 400

Q.27 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. HJN
 - ☐ 2. HIM
 - ☒ 3. HJM
 - ☐ 4. HIN

Q.28 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. Two
 - ☒ 4. Three

Q.29 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. REST - RSET - TSER
 - ☐ 2. WANT - AWNT - TANW
 - ☒ 3. COIL - OLIC - LIOC
 - ☐ 4. TOWN - OTWN - NOWT

Q.30 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. 13, 76

✗ 2. 15, 86

✗ 3. 6, 36

✗ 4. 9, 56



सत्यमेव जयते

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 Center Name	iON Digital Zone iDZ 1 Chinamushidiwada
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 Which political party formed the Government in the State of Andhra Pradesh in 2025?

- Ans
- ☐ 1. Indian National Congress
 - ☒ 2. Telugu Desam Party (TDP)
 - ☐ 3. Bharatiya Janata Party
 - ☐ 4. YSR Congress Party

Q.2 Which macromolecule is primarily responsible for energy storage in plants?

- Ans
- ☒ 1. Starch
 - ☐ 2. Nucleic acids
 - ☐ 3. Proteins
 - ☐ 4. Vitamins

Q.3 Which of the following is a goal of the Directive Principles of State Policy?

- Ans
- ☐ 1. Freedom of speech
 - ☒ 2. Right to constitutional remedies
 - ☐ 3. Promotion of international peace and security
 - ☐ 4. Protection against arrest

Q.4 As on 1 May 2025, who among the following is NOT a full time member of the 16th Finance Commission?

- Ans
- ☐ 1. Dr. Manoj Panda
 - ☐ 2. Annie George Mathew
 - ☒ 3. Dr. Soumya Kanti Ghosh
 - ☐ 4. Ajay Narayan Jha

Q.5 Which of the following women players won three medals including one individual gold medal at the Archery World Cup Stage 2 at Shanghai, China in May 2025?

- Ans
- ☐ 1. Deepika Kumari
 - ☐ 2. Jyothi Surekha Vennam
 - ☒ 3. Madhura Dhamangaonkar
 - ☐ 4. Chikitha Taniparthi

Q.6 What is the primary objective of the International Organization for Mediation (IOMed), established by China in 2025?

- Ans**
- ☐ 1. To replace the United Nations Security Council
 - ☐ 2. To provide a platform to conduct military peacekeeping operations
 - ☐ 3. To provide a platform to enforce international trade agreements
 - ☒ 4. To provide a platform for peaceful dispute resolution through mediation

Q.7 Where do temperate cyclones commonly occur?

- Ans**
- ☐ 1. Near the equatorial belt
 - ☐ 2. In tropical low-pressure zones
 - ☐ 3. Over high-altitude deserts
 - ☒ 4. In mid-latitude regions

Q.8 Who among the following was the first Indian driver to secure a victory in a Formula 2 race at the Monaco Grand Prix in May 2025?

- Ans**
- ☒ 1. Kush Maini
 - ☐ 2. Jehan Daruvala
 - ☐ 3. Karun Chandhok
 - ☐ 4. Arjun Maini

Q.9 How many players were honoured with the Arjuna Awards (Lifetime) for outstanding performance in Sports and Games in January 2025?

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

Q.10 Women are guaranteed a minimum of ____ of seats in Panchayats.

- Ans**
- ☐ 1. 25%
 - ☐ 2. 50%
 - ☒ 3. 33%
 - ☐ 4. 40%

Q.11 Which of the following is NOT a reform suggested by Birsa Munda to the Munda tribal community during the Munda rebellion?

- Ans**
- ☒ 1. Give up living in the past
 - ☐ 2. Give up drinking liquor
 - ☐ 3. Give up believing in sorcery and witchcraft
 - ☐ 4. Cultivate their lands

Q.12 Biological disasters are mainly caused by:

- Ans**
- ☐ 1. earthquakes and volcanic eruptions
 - ☐ 2. fire and smoke
 - ☒ 3. infectious diseases and epidemics
 - ☐ 4. climate change

Q.13 Globalisation has led to increased cross-border flows of technology. Which policy encourages technology transfer under globalisation?

- Ans**
- ☐ 1. Import substitution policy
 - ☐ 2. Nationalisation
 - ☐ 3. Licensing raj
 - ☒ 4. Automatic route for FDI

Q.14 Under which Article of the Constitution is the Comptroller and Auditor General of India (CAG) appointed?

- Ans
- ☐ 1. Article 76
 - ☐ 2. Article 324
 - ☒ 3. Article 148
 - ☐ 4. Article 280

Q.15 Which Ministry organised the National Conference on 'Institutional Arbitration: An Effective Framework for Dispute Resolution' on 14 June 2025 at Bharat Mandapam, New Delhi?

- Ans
- ☐ 1. Ministry of Defence
 - ☐ 2. Ministry of External Affairs
 - ☒ 3. Ministry of Law and Justice
 - ☐ 4. Ministry of Home Affairs

Q.16 Which three countries' withdrawal was officially recognised by ECOWAS in 2025 following diplomatic tensions and military coups?

- Ans
- ☐ 1. Nigeria, Ghana, and Togo
 - ☐ 2. Liberia, Côte d'Ivoire, and Benin
 - ☒ 3. Mali, Burkina Faso, and Niger
 - ☐ 4. Senegal, Guinea, and Sierra Leone

Q.17 What is the administrative jurisdiction of Central Services officers?

- Ans
- ☒ 1. Exclusive to the Central Government
 - ☐ 2. Both Union and State
 - ☐ 3. Joint between the State and the Centre
 - ☐ 4. Elected Constitutional Authorities

Q.18 According to Lenz's Law, the direction of induced current is such that _____.

- Ans
- ☐ 1. it aids the change in magnetic flux
 - ☒ 2. it opposes the change in magnetic flux
 - ☐ 3. it strengthens the applied magnetic field
 - ☐ 4. it neutralises the magnetic field completely

Q.19 Which of the following Acts abolished the dyarchy at provincial level during the colonial period in India?

- Ans
- ☐ 1. Government of India Act, 1919
 - ☒ 2. Government of India Act, 1935
 - ☐ 3. Charter Act of 1853
 - ☐ 4. Indian Councils Act, 1909

Q.20 How many Indian languages are officially recognised as Classical Languages by the Government of India as of January 2025?

- Ans
- ☒ 1. 11
 - ☐ 2. 9
 - ☐ 3. 7
 - ☐ 4. 5

Q.21 Which of the following is NOT a component of India's core infrastructure sectors (as per Index of Eight Core Industries)?

- Ans**
- ☐ 1. Electricity
 - ☒ 2. Telecommunications
 - ☐ 3. Steel
 - ☐ 4. Cement

Q.22 On which date was World Health Day celebrated in 2025, marking the launch of the campaign titled "Healthy beginnings, hopeful futures"?

- Ans**
- ☐ 1. 12 April 2025
 - ☐ 2. 5 April 2025
 - ☐ 3. 10 April 2025
 - ☒ 4. 7 April 2025

Q.23 Which of the following is INCORRECT with regard to the Swadeshi movement?

- Ans**
- ☐ 1. Labourers carried out strikes at different parts of the country.
 - ☐ 2. Students participated in large numbers.
 - ☐ 3. Women participated in large numbers.
 - ☒ 4. Received wide support from upper class Muslims.

Q.24 Why is it important to organize files and folders?

- Ans**
- ☐ 1. To install new software
 - ☒ 2. To easily locate and access files
 - ☐ 3. To keep the desktop clean
 - ☐ 4. To make the computer run faster

Q.25 Which lake is an important geographical feature along the eastern coast of India?

- Ans**
- ☒ 1. Chilika Lake
 - ☐ 2. Vembanad Lake
 - ☐ 3. Wular Lake
 - ☐ 4. Dal Lake

Q.26 Which state had the highest installed renewable energy capacity as of 13 November 2024, as per the Ministry of New and Renewable Energy data?

- Ans**
- ☐ 1. Tamil Nadu
 - ☐ 2. Uttar Pradesh
 - ☒ 3. Rajasthan
 - ☐ 4. Karnataka

Q.27 Which city in central India became the first to offer CAR T-cell therapy for blood cancer patients, marking a significant advancement in accessible cancer treatment in May 2025?

- Ans**
- ☐ 1. Bhopal
 - ☐ 2. Indore
 - ☐ 3. Raipur
 - ☒ 4. Nagpur

Q.28 Which of the following statements about action and reaction forces is correct?

- Ans**
- ☐ 1. Action and reaction forces act on the same body and cancel each other.
 - ☐ 2. Action is always greater than reaction in magnitude.
 - ☐ 3. The internal action and reaction forces between different parts of a body do not cancel out.
 - ☒ 4. Action and reaction forces are equal, opposite and act on different bodies.

Q.29 When renaming a file or folder in MS Windows, what happens if a user changes the file extension (e.g. from .txt to .doc)?

- Ans**
- ☐ 1. The file's format is changed automatically to match the new extension.
 - ☒ 2. A warning is displayed to confirm the change in extension.
 - ☐ 3. The file is converted into a different program's file format.
 - ☐ 4. The file will no longer open or be accessible.

Q.30 What was the Mauryan administrative head of city governance called, as mentioned in the Arthashastra?

- Ans**
- ☐ 1. Sthanika
 - ☐ 2. Pradeshika
 - ☒ 3. Nagarika
 - ☐ 4. Gopa

Q.31 What is the primary purpose of the 'Ayush Suraksha' portal launched by the Union Ayush Minister in 2025?

- Ans**
- ☒ 1. To monitor misleading ads and adverse drug reactions in real time
 - ☐ 2. To track AYUSH medicine imports through a digital interface
 - ☐ 3. To certify traditional healers and standardise treatment protocols
 - ☐ 4. To promote exports of Ayurvedic drugs through global outreach

Q.32 How has globalisation helped India's exports?

- Ans**
- ☐ 1. Made no change
 - ☒ 2. Increased exports to other countries
 - ☐ 3. Banned exports
 - ☐ 4. Decreased them

Q.33 In which of the following states of India are the Rock Shelters of Bhimbetka located?

- Ans**
- ☐ 1. Haryana
 - ☒ 2. Madhya Pradesh
 - ☐ 3. Bihar
 - ☐ 4. Odisha

Q.34 Which Union Territory of India recorded the highest population density in 2011, as per Census data?

- Ans**
- ☐ 1. Lakshadweep
 - ☒ 2. Delhi
 - ☐ 3. Chandigarh
 - ☐ 4. Puducherry

Q.35 Which Indian institution collaborated with Inria Saclay in May 2025 to develop an AI tool aimed at combating antimicrobial resistance?

- Ans**
- ☐ 1. IIT Bombay
 - ☒ 2. IIIT-Delhi
 - ☐ 3. IISc Bangalore
 - ☐ 4. IIT Madras

Q.36 In May 2025, DRDO achieved a significant milestone by conducting a long-duration ground test of which hypersonic technology component?

- Ans**
- ☐ 1. Ramjet Propulsion System
 - ☐ 2. Supersonic Combustor
 - ☒ 3. Scramjet Subscale Combustor
 - ☐ 4. Hyperloop Module

Q.37 Why is the Peninsular Plateau considered geologically stable?

- Ans**
- ☒ 1. It lies on an ancient shield area with low seismic activity.
 - ☐ 2. It is part of a young fold mountain system with active faults.
 - ☐ 3. It lies within the zone of frequent plate collisions.
 - ☐ 4. It is formed by recent volcanic eruptions and earthquakes.

Q.38 The India–Chile joint statement (April 2025) announced talks toward upgrading their PTA into a comprehensive _____.

- Ans**
- ☒ 1. Economic Partnership Agreement
 - ☐ 2. NAFTA-style bloc
 - ☐ 3. Currency Union
 - ☐ 4. Free Trade Agreement

Q.39 Which of the following financial powers is NOT vested in the Governor of a state?

- Ans**
- ☐ 1. Presenting the State Budget to the Legislature
 - ☒ 2. Independently sanctioning taxes
 - ☐ 3. Administering the State Contingency Fund
 - ☐ 4. Giving assent to Money Bills

Q.40 The export-led strategy of the British damaged the domestic economy. What was the impact of export-oriented policies on Indian food security?

- Ans**
- ☐ 1. Improved food availability
 - ☐ 2. Increased storage of grains
 - ☒ 3. Food shortages and famines
 - ☐ 4. Reduced food prices

Section : Mathematics

Q.1 By selling 6 tablets for a rupee, a man loses 35%. To gain 30% how many must he sell for a rupee?

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

Q.2 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. 8.33%
 - ☐ 2. 9.53%
 - ☐ 3. 10.33%
 - ☐ 4. 7.53%

Q.3 Find the value of: $66^{-5} \div 66^{11} \times 66^{-12}$

Ans ☐ 1. 66^{-27}

☐ 2. 66^{-25}

☐ 3. 66^{-34}

☒ 4. 66^{-28}

Q.4 The average of first 153 odd natural numbers, is:

Ans ☐ 1. 152.5

☐ 2. 154

☐ 3. 153.5

☒ 4. 153

Q.5 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. ₹74,000

☐ 2. ₹74,002

☐ 3. ₹73,800

☐ 4. ₹74,122

Q.6 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. ₹116

☐ 4. ₹111

Q.7 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. $5\frac{11}{65}$ hours

☐ 2. $2\frac{11}{65}$ hours

☐ 3. $1\frac{11}{65}$ hours

☐ 4. $11\frac{11}{65}$ hours

Q.8 Find the value of $[592 \div \{12 + 2 \times (3 - 7)\}]$.

Ans ☐ 1. 145

☒ 2. 148

☐ 3. 152

☐ 4. 147

Q.9 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. 122°
 - ☐ 2. 153°
 - ☐ 3. 128°
 - ☐ 4. 183°

Q.10 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. 49
 - ☐ 2. 48
 - ☐ 3. 51
 - ☒ 4. 50

Q.11 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. 150
 - ☐ 2. 175
 - ☒ 3. 125
 - ☐ 4. 75

Q.12 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. 12 days
 - ☐ 2. 16 days
 - ☐ 3. 17 days
 - ☐ 4. 11 days

Q.13 The number of prime numbers lying between 472 and 486, both included, is:

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

Q.14 Find the mean proportional between 25 and 36.

- Ans**
- ☐ 1. 33
 - ☒ 2. 30
 - ☐ 3. 32
 - ☐ 4. 27

Q.15 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. 10% loss
 - ☐ 3. 8% loss
 - ☐ 4. 15% gain

Q.16

Simplify: $\sqrt{\frac{(1 + \cos A)}{(1 - \cos A)}}$

- Ans ☒ 1. cosec A + cot A
☐ 2. cos A + cot A
☐ 3. sin A + tan A
☐ 4. cosec A + tan A

Q.17 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. 13747
☐ 4. 13749

Q.18 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. 18
☐ 2. 13
☐ 3. 15
☐ 4. 17

Q.19 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. 14
☐ 2. 13
☒ 3. 16
☐ 4. 12

Q.20 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. ₹1,593
☐ 2. ₹1,595
☐ 3. ₹1,597
☒ 4. ₹1,596

Q.21 The LCM of the numbers 2.1 and 0.35 is:

- Ans ☒ 1. 2.1
☐ 2. 0.21
☐ 3. 21
☐ 4. 0.021

Q.22 A number, when decreased by 7%, gives 2790. The number is:

- Ans ☐ 1. 9000
☐ 2. 6000
☐ 3. 1500
☒ 4. 3000

Q.23 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. 40 km/hr
 - ☐ 2. 39 km/hr
 - ☐ 3. 34 km/hr
 - ☐ 4. 50 km/hr

Q.24 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. 12:25 PM
 - ☐ 2. 12:05 PM
 - ☐ 3. 12:15 PM
 - ☐ 4. 12:35 PM

Q.25 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. 14,120 cm²
 - ☐ 2. 14,380 cm²
 - ☐ 3. 14,250 cm²
 - ☒ 4. 14,010 cm²

Q.26 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.27 The perimeter of a square is 52 m. Its area (in m²) is:

- Ans**
- ☒ 1. 169
 - ☐ 2. 172
 - ☐ 3. 180
 - ☐ 4. 168

Q.28 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 7 months.

- Ans**
- ☐ 1. ₹48
 - ☐ 2. ₹336
 - ☐ 3. ₹56
 - ☒ 4. ₹28

Q.29 By selling an article at $\frac{5}{11}$ of its actual selling price, Hitesh incurs a loss.

If he sells it at 90% of its actual selling price, then the profit percentage is _____.

- Ans**
- ☒ 1. 68.3%
 - ☐ 2. 69.8%
 - ☐ 3. 66.6%
 - ☐ 4. 67.4%

Q.30 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

Section : General Intelligence and Reasoning

Q.1 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. YNGVK
 - ☒ 3. XMFUJ
 - ☐ 4. YMETK

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. OVP
 - ☒ 2. RYT
 - ☐ 3. LSM
 - ☐ 4. IPJ

Q.3 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. Three
 - ☒ 4. One

Q.4 If + means $\times$, $\times$ means $\div$ and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$4 - 5 \div 40 \times 4 + 23 = ?$$

- Ans**
- ☐ 1. 2
 - ☒ 2. 7
 - ☐ 3. 13
 - ☐ 4. 19

Q.5 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. (29, 58, 48)

✗ 2. (21, 42, 52)

✗ 3. (18, 36, 16)

✗ 4. (25, 40, 30)

Q.6 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. Northeast

✓ 2. Southeast

✗ 3. Northwest

✗ 4. North

Q.7 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. CBTY

✓ 4. CTNB

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. DNE -45

✗ 2. BCE -54

✓ 3. AAE -25

✗ 4. BAE -33

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

879 880 884 893 909 ?

Ans ✓ 1. 934

✗ 2. 937

✗ 3. 929

✗ 4. 931

Q.10 Six friends J, K, L, T, U and V are sitting around a circular table, facing the centre. V sits second to the right of L, who sits second to the right of U. J sits to the immediate right of U. T sits second to the left of K. How many people sit between T and U when counted from the left of T?

Ans ✗ 1. One

✗ 2. None

✗ 3. Three

✓ 4. Two

Q.11 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. NOD 383
 - ☒ 2. NVD 383
 - ☒ 3. NVD 381
 - ☒ 4. DND 383

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.

DEAR - DRAE - RAED
BALM - BMLA - MLAB

- Ans**
- ☒ 1. MEAL - MELA - EALM
 - ☒ 2. BURN - UBRN - NURB
 - ☒ 3. MOST - MTSO - TSOM
 - ☒ 4. SWAG - SAWG - GAWS

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.
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. 3
 - ☒ 2. 4
 - ☒ 3. 1
 - ☒ 4. 2

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

- 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 horses are cats.

No horse is a lion.

Conclusions:

(I): Some lions are cats.

(II): All cats are lions.

- 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** 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. None
 - ☐ 3. Two
 - ☒ 4. One

- Q.17** 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. 4
 - ☐ 3. 2
 - ☒ 4. 3

- 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. KG-DI
 - ☐ 2. IE-BG
 - ☒ 3. PL-IM
 - ☐ 4. NJ-GL

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

58 , 64 , 73 , 85 , 100 , ?

- Ans
- ☒ 1. 120
 - ☒ 2. 118
 - ☒ 3. 119
 - ☒ 4. 121

Q.20 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$35 \times 5 \div 7 - 11 + 8 = ?$

- Ans
- ☒ 1. 52
 - ☒ 2. 51
 - ☒ 3. 53
 - ☒ 4. 50

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. IM - SJ
 - ☒ 2. GK - QI
 - ☒ 3. KO - UL
 - ☒ 4. MQ - WN

Q.22 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. Father
 - ☒ 2. Son
 - ☒ 3. Husband
 - ☒ 4. Brother

Q.23 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. 5
 - ☒ 3. 6
 - ☒ 4. 1

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

285 260 237 216 197 ?

- Ans
- ☐ 1. 150
 - ☐ 2. 170
 - ☐ 3. 160
 - ☒ 4. 180

Q.26 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. 8
 - ☐ 2. 6
 - ☐ 3. 1
 - ☒ 4. 9

Q.27 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. 32
 - ☐ 2. 30
 - ☐ 3. 31
 - ☐ 4. 33

Q.28 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. 18 km towards North
 - ☒ 2. 15 km towards North
 - ☐ 3. 15 km towards South
 - ☐ 4. 18 km towards East

Q.29 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. 9
 - ☐ 2. 12
 - ☐ 3. 11
 - ☒ 4. 10

Q.30 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. Four
 - ☐ 3. One
 - ☒ 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 Center Name	Indraprastha Public School
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 When was K Sanjay Murthy sworn in as the Comptroller and Auditor General (CAG) of India by the president of India?

- Ans**
- ☒ 1. November 2024
 - ☐ 2. February 2025
 - ☐ 3. April 2025
 - ☐ 4. December 2024

Q.2 Which of the following features introduced by the 73rd Constitutional Amendment ensures the continuous functioning of Panchayati Raj Institutions (PRIs)?

- Ans**
- ☒ 1. Elections within six months of dissolution of a Panchayat
 - ☐ 2. Creation of Lok Adalats at Panchayat level
 - ☐ 3. Provision for direct funding from the Union government
 - ☐ 4. Inclusion of Panchayati Raj in the Union List

Q.3 The office of Governor-General was renamed after 1858 as ____.

- Ans**
- ☐ 1. Prime Minister
 - ☒ 2. Viceroy of India
 - ☐ 3. Secretary of State
 - ☐ 4. Chief Administrator

Q.4 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. Defence Research and Development Organisation (DRDO)
 - ☐ 2. Indian Space Research Organisation (ISRO)
 - ☐ 3. Bharat Electronics Limited (BEL)
 - ☐ 4. Hindustan Aeronautics Limited (HAL)

Q.5 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. As it serves as the linguistic root for all contemporary Indian languages
 - ☐ 4. Due to its status as the most ancient classical language

Q.6 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. Prithvi Surface-to-Surface Missile
 - ☒ 2. Naval Anti-Ship Missile - Short Range
 - ☐ 3. BrahMos Anti-Ship Missile
 - ☐ 4. Agni Ballistic Missile

Q.7 Which Jain text is recognised in the West and known for its verses on monk conduct, sermons, and poetic teachings?

- Ans**
- ☐ 1. Kalpa Sutra
 - ☐ 2. Uttaradhyayana Sutra
 - ☒ 3. Acaranga Sutra
 - ☐ 4. Bhagavati Sutra

Q.8 Which major reform was aimed at redistributing land to the landless after independence?

- Ans**
- ☐ 1. Crop Insurance Scheme
 - ☐ 2. Green Revolution
 - ☐ 3. Agricultural Export Policy
 - ☒ 4. Land Ceiling Acts

Q.9 How did Public Interest Litigation (PIL) emerge in India as a tool of judicial activism?

- Ans**
- ☒ 1. It began in 1979 when the Supreme Court allowed individuals to file cases for public interest.
 - ☐ 2. It was first used during the Emergency (1975-77).
 - ☐ 3. It originated under the 42nd Constitutional Amendment (1976).
 - ☐ 4. It was introduced by the Lok Adalat system in 2005.

Q.10 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. Automobiles
 - ☐ 2. Electronics
 - ☒ 3. Tourism
 - ☐ 4. Pharmaceuticals

Q.11 Which of the following is a compound?

- Ans**
- ☐ 1. Oxygen
 - ☐ 2. Iron
 - ☒ 3. Water
 - ☐ 4. Sulphur

Q.12 The Congo River is the deepest river in the world. It is located on which continent?

- Ans**
- ☐ 1. Asia
 - ☒ 2. Africa
 - ☐ 3. Europe
 - ☐ 4. South America

Q.13 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. Iodine
 - ☒ 2. Chlorine
 - ☐ 3. Bromine
 - ☐ 4. Fluorine

Q.14 The Bhimbetka rock shelters are associated with which prehistoric period?

- Ans**
- ☒ 1. Lower Paleolithic
 - ☐ 2. Upper Neolithic
 - ☐ 3. Lower Chalcolithic
 - ☐ 4. Iron Age

Q.15 Which amendment granted constitutional status to Panchayati Raj institutions?

- Ans**
- ☐ 1. Seventy-second Amendment Act, 1992
 - ☐ 2. Eighty-sixth Amendment Act, 2002
 - ☒ 3. Seventy-third Amendment Act, 1992
 - ☐ 4. Seventy-fourth Amendment Act, 1992

Q.16 What was the key electoral innovation introduced in the 1909 Act?

- Ans**
- ☒ 1. Separate electorates
 - ☐ 2. Voting rights for all
 - ☐ 3. Proportional representation
 - ☐ 4. Women's suffrage

Q.17 The Northern Plains of India are primarily formed by the deposits of which rivers?

- Ans**
- ☐ 1. Yamuna and Chambal
 - ☐ 2. Narmada and Tapi
 - ☒ 3. Ganga, Indus and Brahmaputra
 - ☐ 4. Krishna and Godavari

Q.18 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. Pradhan Mantri Gram Sadak Yojana
 - ☒ 2. Saubhagya Yojana
 - ☐ 3. Ujjwala Yojana
 - ☐ 4. Swabhimaan Scheme

Q.19 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. Tamil Nadu
 - ☒ 3. Kerala
 - ☐ 4. Himachal Pradesh

Q.20 In 2025, on which date was the International Day for Biological Diversity observed globally?

- Ans**
- ✓ 1. 22 May
 - ✗ 2. 5 June
 - ✗ 3. 5 May
 - ✗ 4. 15 May

Q.21 Which of the following practices promotes sustainable agriculture?

- Ans**
- ✗ 1. Use of chemical pesticides
 - ✓ 2. Crop rotation and organic farming
 - ✗ 3. Monocropping
 - ✗ 4. Slash and burn cultivation

Q.22 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. Develop indigenous missile technology
 - ✓ 3. Strengthen the Indian Navy's maritime strike capacity
 - ✗ 4. Upgrade the Indian Air Force's fighter jets

Q.23 Which government-owned organisation is primarily responsible for electricity transmission in India?

- Ans**
- ✓ 1. Power Grid Corporation of India Limited
 - ✗ 2. Bharat Heavy Electricals Limited
 - ✗ 3. Central Electricity Authority
 - ✗ 4. National Thermal Power Corporation Limited

Q.24 Which of the following commissions was appointed to look into the question of states based on language?

- Ans**
- ✗ 1. Gadgil Commission
 - ✓ 2. Dhar Commission
 - ✗ 3. Sarkaria Commission
 - ✗ 4. Swaran Singh Committee

Q.25 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. Abolition of wealth tax
 - ✓ 3. Introduction of the Modified Value Added Tax
 - ✗ 4. Implementation of the FRBM Act

Q.26 Which key combination is used to permanently delete a file without sending it to the Recycle Bin?

- Ans**
- ✗ 1. Shift + F2
 - ✓ 2. Shift + Delete
 - ✗ 3. Ctrl + D
 - ✗ 4. Alt + F4

Q.27 Which island group lies to the south-east of the Indian mainland?

- Ans**
- ✓ 1. Andaman and Nicobar
 - ✗ 2. Minicoy
 - ✗ 3. Agatti island
 - ✗ 4. Lakshadweep

Q.28 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 March 2026
 - ✗ 2. 31 December 2025
 - ✗ 3. 31 August 2025
 - ✓ 4. 31 October 2025

Q.29 Which of the following crops is grown in waterlogged conditions?

- Ans**
- ✗ 1. Bajra
 - ✗ 2. Maize
 - ✓ 3. Rice
 - ✗ 4. Groundnut

Q.30 The division of subjects between the Union and the States is laid out in which Schedule of the Constitution?

- Ans**
- ✓ 1. Schedule VII
 - ✗ 2. Schedule X
 - ✗ 3. Schedule IX
 - ✗ 4. Schedule V

Q.31 Which of the following companies has launched a commercial space surveillance satellite named SCOT in March 2025?

- Ans**
- ✗ 1. Mahindra Aerospace
 - ✗ 2. Hindustan Aeronautics Limited
 - ✗ 3. Tata Advanced Systems
 - ✓ 4. Digantara

Q.32 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. Ashish Sood
 - ✗ 3. Ravinder Indraj Singh
 - ✗ 4. Manjinder Singh Sirsa

Q.33 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. Open Recycle Bin → Right-click the file → Click Restore
 - ✗ 2. Use Alt + Tab to recover the file
 - ✗ 3. Restart the computer and the file will return
 - ✗ 4. Press Ctrl + Z repeatedly until it reappears

Q.34 Who among the following was the first Indian cricketer to receive the Padma Bhushan award?

- Ans**
- ☐ 1. Sunil Gavaskar
 - ☒ 2. CK Nayudu
 - ☐ 3. Sachin Tendulkar
 - ☐ 4. Kapil Dev

Q.35 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. NAtional geospatial Knowledge-based land Survey of urban HAbitations
 - ☐ 2. National Area Keeping Survey for Habitats
 - ☐ 3. New Analytical Knowledge for Housing Areas
 - ☐ 4. National Geo-based Urban Survey

Q.36 India's first prototype fast-breeder reactor to be commissioned by September 2026, is located at which of the following places?

- Ans**
- ☐ 1. Jaduguda
 - ☒ 2. Kalpakkam
 - ☐ 3. Bhavnagar
 - ☐ 4. Tarapur

Q.37 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.38 WHO member states reached a draft legally-binding pandemic preparedness pact on 16 April 2025, despite which major donor's withdrawal?

- Ans**
- ☐ 1. Germany
 - ☒ 2. United States
 - ☐ 3. United Kingdom
 - ☐ 4. Japan

Q.39 In accordance with the Modern Periodic Law, the characteristics of elements are periodic functions of their:

- Ans**
- ☐ 1. isotopic mass
 - ☒ 2. atomic number
 - ☐ 3. atomic weight
 - ☐ 4. atomic mass

Q.40 What was the main objective of the Pitt's India Act of 1784, passed by the British Parliament?

- Ans**
- ☐ 1. Abolish company rule
 - ☒ 2. Establish dual government
 - ☐ 3. Empower provincial councils
 - ☐ 4. Trade monopoly

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. 53 km/hr
 - ☐ 2. 61 km/hr
 - ☒ 3. 56 km/hr
 - ☐ 4. 63 km/hr

Q.2 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.3 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.4 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. 8900 cm³
 - ☒ 2. 8910 cm³
 - ☐ 3. 8110 cm³
 - ☐ 4. 8011 cm³

Q.5 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. ₹1,48,556
 - ☒ 2. ₹1,48,500
 - ☐ 3. ₹1,48,647
 - ☐ 4. ₹1,48,367

Q.6 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. 12,481
 - ☒ 2. 12,480
 - ☐ 3. 12,485
 - ☐ 4. 12,475

Q.7 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. 12 noon
 - ☐ 2. 11:48 a.m.
 - ☐ 3. 11:36 a.m.
 - ☐ 4. 1:12 p.m.

Q.8 If $\sin\theta = x$, then $\frac{\sqrt{1+x}(\tan\theta)}{x} = \underline{\hspace{2cm}}$.

- Ans
- ☐ 1. $\frac{1}{1-x^2}$
 - ☐ 2. $\sqrt{1-x}$
 - ☒ 3. $\frac{1}{\sqrt{1-x}}$
 - ☐ 4. $\frac{1}{\sqrt{1+x}}$

Q.9 The product of two consecutive positive natural numbers is 110. The greater of the two numbers is:

- Ans
- ☐ 1. 7
 - ☒ 2. 11
 - ☐ 3. 3
 - ☐ 4. 5

Q.10 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. 750
 - ☐ 2. 774
 - ☐ 3. 734
 - ☐ 4. 770

Q.11 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. 16,799
 - ☐ 2. 16,798
 - ☒ 3. 16,800
 - ☐ 4. 16,801

Q.12 The sum of two numbers is 78 and their L.C.M. is 180. What are the two numbers?

- Ans
- ☐ 1. 65, 13
 - ☐ 2. 58, 20
 - ☐ 3. 53, 25
 - ☒ 4. 60, 18

Q.13 The number 877217 is divisible by which of the following?

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

Q.14 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. $\frac{47}{63}$

☒ 3. $\frac{43}{63}$

☐ 4. $\frac{38}{63}$

Q.15 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. 11

☐ 3. 9

☒ 4. 12

Q.16 The interior angle between two adjacent sides of a regular n – sided polygon is

Ans

☐ 1. $180 - \frac{90}{n}$

☐ 2. $180 - \frac{180}{n}$

☒ 3. $180 - \frac{360}{n}$

☐ 4. $90 - \frac{90}{n}$

Q.17 The average of first 149 odd natural numbers, is:

Ans

☐ 1. 148.5

☐ 2. 149.5

☐ 3. 150

☒ 4. 149

Q.18 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. 32.5%

☐ 3. 67.5%

☐ 4. 33.33%

Q.19 By selling an article at $\frac{4}{14}$ of its actual selling price, Hitesh incurs a loss.

If he sells it at 60% of its actual selling price, then the profit percentage is



- Ans
- ☐ 1. 78.1%
 - ☐ 2. 78.7%
 - ☒ 3. 78.5%
 - ☐ 4. 77.5%

Q.20 The value of $7^2 + \sqrt{2^2} - 8\sqrt{81} - 7$ is

- Ans
- ☒ 1. -28
 - ☐ 2. -27
 - ☐ 3. -19
 - ☐ 4. -26

Q.21 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. 784 min
 - ☐ 2. 730 min
 - ☐ 3. 761 min
 - ☒ 4. 744 min

Q.22 Find the mean proportional between 25 and 196.

- Ans
- ☐ 1. 67
 - ☐ 2. 68
 - ☐ 3. 73
 - ☒ 4. 70

Q.23 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. 69%
 - ☐ 2. 20%
 - ☐ 3. 66%
 - ☒ 4. 49%

Q.24 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. ₹447
 - ☐ 2. ₹446
 - ☐ 3. ₹449
 - ☐ 4. ₹445

Q.25

By how much is 65% of 75 greater than $\frac{4}{5}$ of 25?

Ans

- ☐ 1. 22.75
- ☐ 2. 25.75
- ☐ 3. 26.75
- ☒ 4. 28.75

Q.26

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. $M = N$
- ☐ 2. $M + N = 3$
- ☐ 3. $M - N = 1$
- ☒ 4. $M - N = -3$

Q.27

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. 3%
- ☐ 2. 8%
- ☒ 3. 6%
- ☐ 4. 7%

Q.28

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. 10 km/hr
- ☐ 2. 8 km/hr
- ☒ 3. 4 km/hr
- ☐ 4. 9 km/hr

Q.29

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. 184
- ☐ 2. 185
- ☐ 3. 196.5
- ☒ 4. 195.5

Q.30

Find the value of: $[167 \div \{17 + 4 \times (3 - 7)\}]$.

Ans

- ☐ 1. 172
- ☐ 2. 166
- ☐ 3. 164
- ☒ 4. 167

Section : General Intelligence and Reasoning

Q.1

If + means $\times$, $\times$ means $\div$ and $\div$ means $+$, then what will come in place of the question mark (?) in the following equation?

$$72 \times 6 \div 18 + 10 - 2 = ?$$

Ans

- ☐ 1. 12
- ☒ 2. 10
- ☐ 3. 5
- ☐ 4. 18

Q.2 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. WSU-QNO
 - ☒ 2. WRS-RNP
 - ☒ 3. CYA-XTV
 - ☒ 4. WRS-QMO

Q.3 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. H
 - ☒ 2. J
 - ☒ 3. K
 - ☒ 4. W

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. CY-JM
 - ☒ 2. JF-QU
 - ☒ 3. TP-AE
 - ☒ 4. MI-TX

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) % & 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. One
 - ☒ 2. Five
 - ☒ 3. Four
 - ☒ 4. Two

Q.6 Yash ranked 34th from the top and 47th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 80
 - ☒ 2. 81
 - ☒ 3. 79
 - ☒ 4. 82

Q.7 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. J
☒ 2. L
☒ 3. I
☒ 4. O

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. HBW
☒ 2. FZV
☒ 3. PJF
☒ 4. WQM

Q.9 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. 3
☒ 2. 4
☒ 3. 2
☒ 4. 1

Q.10 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. ZNL
☒ 2. ZNM
☒ 3. ZNO
☒ 4. YNL

Q.11 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. 3
☒ 2. 8
☒ 3. 7
☒ 4. 6

Q.12 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. 15
☒ 4. 16

Q.13 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. 10 km towards West
 - ☐ 3. 12 km towards East
 - ☐ 4. 10 km towards South

Q.14 What should come in place of the question mark (?) in the given series?

25 40 58 79 103 ?

- Ans**
- ☐ 1. 120
 - ☐ 2. 115
 - ☐ 3. 125
 - ☒ 4. 130

Q.15 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. Mother
 - ☐ 2. Brother
 - ☒ 3. Sister
 - ☐ 4. Father

Q.16 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. 12, 24
 - ☐ 2. 18, 39
 - ☒ 3. 23, 48
 - ☐ 4. 53, 97

Q.17 Kartik ranked 46th from the top and 19th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 65
 - ☐ 2. 63
 - ☒ 3. 64
 - ☐ 4. 62

Q.18 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. None
 - ☒ 2. Two
 - ☐ 3. One
 - ☐ 4. Three

Q.19 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. RPPW
 - ☐ 2. ROPP
 - ☐ 3. RNPP
 - ☒ 4. ROQP

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 pages are crows.

Some crows are remotes.

Conclusion:

(I): Some pages are remotes.

(II): All crows are pages.

- 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.21 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. ZSX
 - ☒ 2. SXZ
 - ☐ 3. SZX
 - ☐ 4. ZXS

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:

Some bottle are plastic.

Some plastic are glass.

Conclusions:

(I): Some bottle are glass.

(II): All glass are plastic.

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

$$22 \div 3 + 81 \times 9 - 12 = ?$$

- Ans**
- ☐ 1. 65
 - ☒ 2. 69
 - ☐ 3. 67
 - ☐ 4. 71

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.

GAPS - SPGA - GPAS
AUNT - TNAU - ANUT

- Ans**
- ☐ 1. DINE - DNIE - ENID
 - ☒ 2. HAIR - RIHA - HIAR
 - ☐ 3. HALF - FLHA - ALHF
 - ☐ 4. DIMS - IMDS - IMSD

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 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-IM
 - ☐ 2. OR-MQ
 - ☒ 3. GJ-EH
 - ☐ 4. MP-KO

Q.27 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. 61
 - ☐ 4. 65

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

7 9 14 24 41 ?

- Ans**
- ☐ 1. 75
 - ☐ 2. 71
 - ☐ 3. 78
 - ☒ 4. 67

Q.29 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. 11 km to the east
 - ☒ 2. 11 km to the south
 - ☐ 3. 13 km to the north
 - ☐ 4. 12 km to the south

Q.30 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. 13
 - ☐ 2. 11
 - ☐ 3. 10
 - ☒ 4. 12



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 Center Name	KSM Solutions
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 Which plateau is NOT a part of the Patland series?

- Ans**
- ☐ 1. Malwa Plateau
 - ☐ 2. Ranchi Plateau
 - ☒ 3. Deccan Plateau
 - ☐ 4. Hazaribagh Plateau

Q.2 What is the primary objective of the Waqf (Amendment) Act, 2025?

- Ans**
- ☒ 1. To enhance transparency and inclusivity in the management of Waqf properties
 - ☐ 2. To repeal the Waqf Act, 1995 and abolish Waqf Boards
 - ☐ 3. To restrict the establishment of new Waqf properties
 - ☐ 4. To nationalise all Waqf properties under central government control and conduct an audit of new Waqf properties

Q.3 In which Schedule are the forms of oath and affirmation for various constitutional offices specified?

- Ans**
- ☐ 1. Fourth Schedule
 - ☒ 2. Third Schedule
 - ☐ 3. Fifth Schedule
 - ☐ 4. Tenth Schedule

Q.4 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 14 and 15
 - ☐ 3. Articles 32 and 226
 - ☐ 4. Articles 356C and 360D

Q.5 In December 2024, India's Defense Ministry signed a contract with HAL for the procurement of how many Su-30MKI aircraft?

- Ans**
- ☐ 1. 15
 - ☐ 2. 5
 - ☒ 3. 12
 - ☐ 4. 8

Q.6 Which of the following is true for Read-Only Memory (ROM)?

- Ans**
- ☐ 1. It processes the logic operations.
 - ☐ 2. It is volatile memory that stores data temporarily.
 - ☐ 3. It stores data that can be modified by the user.
 - ☒ 4. It stores the booting instructions permanently.

Q.7 Pazhassi Raja was a freedom fighter from the state of modern-day _____.

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

Q.8 In which year was the PM JI-VAN (Jaiv Indhan-Vatavaran Anukool fasal awashesh Nivaran) scheme launched?

- Ans**
- ☐ 1. 2018
 - ☐ 2. 2020
 - ☒ 3. 2019
 - ☐ 4. 2017

Q.9 Vedantam Pahlada Sarma, born in Andhra Pradesh in 1923, was initiated into which of the following Indian classical dance forms?

- Ans**
- ☒ 1. Kuchipudi
 - ☐ 2. Bharatanatyam
 - ☐ 3. Odissi
 - ☐ 4. Kathak

Q.10 Which two state governments held official-level talks in Guwahati in April 2025 to resolve the long-standing inter-state border dispute?

- Ans**
- ☐ 1. Mizoram and Tripura
 - ☒ 2. Mizoram and Assam
 - ☐ 3. Arunachal Pradesh and Nagaland
 - ☐ 4. Nagaland and Manipur

Q.11 Who among the following was the first Indian athlete to win the Rajiv Gandhi Khel Ratna Award?

- Ans**
- ☒ 1. Viswanathan Anand
 - ☐ 2. Leander Paes
 - ☐ 3. Sachin Tendulkar
 - ☐ 4. PV Sindhu

Q.12 Which Constitutional Amendment granted constitutional status to Co-operative Societies in India?

- Ans**
- ☐ 1. 73rd Constitutional Amendment Act, 1992
 - ☒ 2. 97th Constitutional Amendment Act, 2011
 - ☐ 3. 74th Constitutional Amendment Act, 1992
 - ☐ 4. 86th Constitutional Amendment Act, 2002

Q.13 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.14 Which of the following states is known for its tribal settlement of the Gond community?

- Ans**
- ☐ 1. Punjab
 - ☒ 2. Chhattisgarh
 - ☐ 3. Haryana
 - ☐ 4. Kerala

Q.15 To adjust the screen resolution or change the desktop background in Windows, which of the following would a user typically access?

- Ans**
- ☐ 1. Documents
 - ☒ 2. Settings
 - ☐ 3. Run
 - ☐ 4. This PC

Q.16 Which Indian female shooter won a silver medal in the women's skeet event at the ISSF Junior World Cup 2025?

- Ans**
- ☒ 1. Raiza Dhillon
 - ☐ 2. Maheshwari Chauhan
 - ☐ 3. Parinaaz Dhaliwal
 - ☐ 4. Ganemat Sekhon

Q.17 What is the name of India's indigenous counter-drone system tested in May 2025?

- Ans**
- ☐ 1. Nagastra
 - ☐ 2. Akashteer
 - ☒ 3. Bhargavastra
 - ☐ 4. Trinetra

Q.18 Which of the following was NOT a feature of the Green Revolution in India?

- Ans**
- ☐ 1. Use of high-yielding variety seeds
 - ☐ 2. Increased use of fertilisers and irrigation
 - ☒ 3. Expansion of agricultural land
 - ☐ 4. Mechanisation of agriculture

Q.19 Which policy was adopted by the British in the post-1857 revolt in India due to distrust of Hindu-Muslim unity?

- Ans**
- ☐ 1. Forward Policy
 - ☒ 2. Divide and Rule
 - ☐ 3. Subsidiary Alliance
 - ☐ 4. Doctrine of Lapse

Q.20 Which movement marked Mahatma Gandhi's entry into all-India politics?

- Ans**
- ☐ 1. Champaran Satyagraha
 - ☐ 2. Salt Satyagraha
 - ☒ 3. Khilafat and Non-Cooperation Movement
 - ☐ 4. Civil Disobedience Movement

Q.21 Which biochemist received the Nobel Prize in 1958 for his work on the structure of proteins, especially insulin?

- Ans**
- ☒ 1. Frederick Sanger
 - ☐ 2. Eduard Buchner
 - ☐ 3. Carl Neuberg
 - ☐ 4. Rosalind Franklin

Q.22 What is the main cause of different seasons on the Earth?

- Ans**
- ☐ 1. Solar flares
 - ☐ 2. Earth's distance from the Sun
 - ☐ 3. Earth's rotation
 - ☒ 4. Earth's tilt and revolution around the Sun

Q.23 How many Amrit Stations were inaugurated by Prime Minister Narendra Modi on 22 May 2025?

- Ans**
- ☒ 1. 103
 - ☐ 2. 100
 - ☐ 3. 108
 - ☐ 4. 110

Q.24 Which of the following statements about the National Rural Livelihoods Mission (NRLM) is correct?

- Ans**
- ☐ 1. It provides direct employment in rural public sector units.
 - ☒ 2. It aims to organise rural poor into Self-Help Groups (SHGs).
 - ☐ 3. It guarantees minimum support prices for rural produce.
 - ☐ 4. It offers 100 days of guaranteed employment to rural poor.

Q.25 In which Swiss city was the annual meeting of the World Economic Forum (WEF) held in January 2025?

- Ans**
- ☐ 1. Geneva
 - ☐ 2. Vienna
 - ☒ 3. Davos
 - ☐ 4. Zurich

Q.26 Babar, the first Mughal ruler, was related to two of the biggest conquerors of the medieval world. If he was related to the Mongol conqueror Genghis Khan on his maternal side, who was he related to from his paternal side?

- Ans**
- ☐ 1. Mohammed Ghori
 - ☐ 2. Ibrahim Lodi
 - ☒ 3. Timur
 - ☐ 4. Mahmud Ghazni

Q.27 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. 1950
 - ☐ 2. 1952
 - ☐ 3. 1951
 - ☐ 4. 1948

Q.28 The element with atomic number 21 is ____.

- Ans**
- ☐ 1. Calcium
 - ☒ 2. Scandium
 - ☐ 3. Titanium
 - ☐ 4. Zinc

Q.29 The Desert National Park of Rajasthan is located in which districts of the state?

- Ans**
- ☐ 1. Udaipur and Rajsamand
 - ☐ 2. Dholpur and Bharatpur
 - ☐ 3. Phalodi and Jodhpur
 - ☒ 4. Jaisalmer and Barmer

Q.30 Unique Land Parcel Identification Number (ULPIN), part of the Digital India Land Records Modernization Programme (DILRMP), is a unique identification number of how many digits accorded based on the longitude and latitude coordinates of the land parcel?

- Ans**
- ☐ 1. 10 digits
 - ☒ 2. 14 digits
 - ☐ 3. 12 digits
 - ☐ 4. 16 digits

Q.31 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. AI4Bharat
 - ☐ 2. Wadhvani AI
 - ☐ 3. Infosys
 - ☒ 4. Sarvam AI

Q.32 The recipient of the Padma Shri in 2025, Hriday Narayan Dikshit, who is a renowned thinker, philosopher, politician and social worker, belongs to which Indian state?

- Ans**
- ☐ 1. Rajasthan
 - ☐ 2. Bihar
 - ☐ 3. Madhya Pradesh
 - ☒ 4. Uttar Pradesh

Q.33 In May 2025, India assumed the chairmanship of which regional organisation focused on productivity enhancement?

- Ans**
- ☐ 1. Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC)
 - ☒ 2. Asian Productivity Organization (APO)
 - ☐ 3. Association of Southeast Asian Nations (ASEAN)
 - ☐ 4. South Asian Association for Regional Cooperation (SAARC)

Q.34 What is the mandated time for the Public Information Officer (PIO) to provide information?

- Ans**
- ☐ 1. 60 days for all cases
 - ☐ 2. 15 days for urgent matters
 - ☐ 3. 10 days for personal requests
 - ☒ 4. 30 days generally and 48 hours for life or liberty cases

Q.35 Which of the following Indian Coast Guard Ships participated in NAVDEX 2025, strengthening India-UAE maritime cooperation?

- Ans**
- ☐ 1. INS Rajdhvaj
 - ☐ 2. ICGS Sujata
 - ☒ 3. ICGS Shoor
 - ☐ 4. INS Veera

Q.36 Which institution celebrated the Rashtriya Boudhik Sampada Mahotsav (RBSM) on 29 May 2025?

- Ans**
- ☐ 1. Indian Institute of Petroleum and Energy, Visakhapatnam
 - ☐ 2. Rajiv Gandhi Institute of Petroleum Technology, Amethi
 - ☐ 3. Indian Oil Institute of Petroleum Management, Haryana
 - ☒ 4. CSIR-Indian Institute of Petroleum, Dehradun

Q.37 Which city became the capital of Vatsaraja during the expansion of the Gurjara-Pratihara dynasty?

- Ans**
- ☐ 1. Kannauj
 - ☒ 2. Ujjain
 - ☐ 3. Malwa
 - ☐ 4. Mathura

Q.38 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. Enrico Fermi
 - ☐ 2. James Chadwick
 - ☒ 3. Wolfgang Pauli
 - ☐ 4. Paul Dirac

Q.39 The _____ of the Indian Constitution protects laws from being challenged in courts under judicial review.

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

Q.40 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. Ashoka University, Sonapat
 - ☐ 3. Pragati Maidan, New Delhi
 - ☒ 4. Bharat Mandapam, New Delhi

Section : Mathematics

Q.1 The number of prime numbers lying between 402 and 409, both included, is:

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

Q.2 Abhay and Bharat can complete a certain piece of work in 5 and 15 days, Bharat left. In how many days will Abhay complete the remaini

- Ans**
- ☒ 1. $2\frac{1}{3}$
 - ☐ 2. $4\frac{1}{3}$
 - ☐ 3. $3\frac{1}{3}$
 - ☐ 4. $1\frac{1}{3}$

Q.3 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 45^\circ$ and $\angle$

- Ans
- ☐ 1. 117°
 - ☐ 2. 130°
 - ☒ 3. 118°
 - ☐ 4. 114°

Q.4 Vikram, Komal and Rishi invested ₹1,540, ₹1,760 and ₹1,170, respectively to start a business. If the profit at the end of the year is ₹1,490, what is Rishi's share of the profit?

- Ans
- ☐ 1. ₹391
 - ☐ 2. ₹388
 - ☐ 3. ₹392
 - ☒ 4. ₹390

Q.5 The sum of two numbers is 40 and their L.C.M. is 351. What are the two numbers?

- Ans
- ☐ 1. 11, 29
 - ☐ 2. 18, 22
 - ☒ 3. 13, 27
 - ☐ 4. 6, 34

Q.6 The average weight of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 73 kg and 37 kg is:

- Ans
- ☐ 1. 53 kg
 - ☐ 2. 52 kg
 - ☐ 3. 50 kg
 - ☒ 4. 51 kg

Q.7 The LCM of $5^3 \times 9^2 \times 14$, $5^2 \times 14^2 \times 19$ and $9^3 \times 14^2 \times 19^2$ is:

- Ans
- ☒ 1. $5^3 \times 9^3 \times 14^2 \times 19^2$
 - ☐ 2. $5^2 \times 9^3 \times 14 \times 19^2$
 - ☐ 3. $5^3 \times 9^2 \times 14^2 \times 19$
 - ☐ 4. $5^2 \times 9^2 \times 14^2 \times 19^3$

Q.8 The marked price of an article is ₹280. A discount of 12.5% is allowed on the marked price and a profit of 40% is made. The cost price of the article is:

- Ans
- ☒ 1. ₹175
 - ☐ 2. ₹165
 - ☐ 3. ₹185
 - ☐ 4. ₹180

Q.9 A jacket is marked at ₹2,400. If it is sold at a 20% discount, what is the selling price?

- Ans
- ☒ 1. ₹1,920
 - ☐ 2. ₹1,900
 - ☐ 3. ₹1,980
 - ☐ 4. ₹2,000

Q.10 Wasim travels 234 km at 78 km/hr, the next 441 km at 49 km/hr and the next 488 km at 61 km/hr. What is his average speed (in km/hr) for the whole journey?

- Ans**
- ☒ 1. 58.15
 - ☐ 2. 50.87
 - ☐ 3. 50.13
 - ☐ 4. 54.83

Q.11 Find the value of $69^{-4} \div 69^{10} \times 69^{-17}$.

- Ans**
- ☐ 1. 69^{-32}
 - ☐ 2. 69^{-21}
 - ☐ 3. 69^{-36}
 - ☒ 4. 69^{-31}

Q.12 Find the volume (in cm^3 , rounded off to the nearest integer) of a sphere

(Use $\pi = \frac{22}{7}$)



- Ans**
- ☐ 1. 1446 cm^3
 - ☐ 2. 1436 cm^3
 - ☒ 3. 1437 cm^3
 - ☐ 4. 1442 cm^3

Q.13 Find the value of: $[147 \div \{29 + 2 \times (4 - 8)\}]$.

- Ans**
- ☐ 1. 3
 - ☐ 2. 9
 - ☒ 3. 7
 - ☐ 4. 8

Q.14 A can do a work in 9 days and B can do the same work in 18 days. If they work on it together for 5 days, then what fraction of the work is left?

- Ans**
- ☐ 1. $\frac{5}{6}$
 - ☐ 2. $\frac{7}{6}$
 - ☐ 3. $\frac{11}{6}$
 - ☒ 4. $\frac{1}{6}$

Q.15 The average runs scored by a batsman in 23 matches is 40. 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 33 matches.

- Ans**
- ☐ 1. 31.42
 - ☐ 2. 33.42
 - ☐ 3. 34.42
 - ☒ 4. 32.42

Q.16 By selling an article at $\frac{2}{7}$ of its actual selling price, Manav incurs a loss. If he sells it at 55% of its actual selling price, then the profit percentage is

- Ans**
- ☒ 1. 46.3%
 - ☐ 2. 48.7%
 - ☐ 3. 46.9%
 - ☐ 4. 47.6%

Q.17 What sum of money (in ₹) will amount to ₹2,280 at 5% per annum simple interest in 4 years?

- Ans**
- ☐ 1. ₹1,950
 - ☐ 2. ₹11,400
 - ☐ 3. ₹1,850
 - ☒ 4. ₹1,900

Q.18 The income of Raman is ₹41,400. He saves 24% of his income. If his income increases by 22% and expenditure increases by 25%, then his savings will:

- Ans**
- ☒ 1. increase by ₹1,242
 - ☐ 2. decrease by ₹1,244
 - ☐ 3. increase by ₹1,245
 - ☐ 4. decrease by ₹1,241

Q.19 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. ₹1,20,600
 - ☐ 2. ₹1,21,400
 - ☒ 3. ₹1,20,400
 - ☐ 4. ₹1,20,000

Q.20 A man goes to Indore from Bhopal at a speed of 6 km/hr and returns to Bhopal at a speed of 12 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans**
- ☐ 1. 6
 - ☐ 2. 10
 - ☐ 3. 4
 - ☒ 4. 8

Q.21 A sum of ₹10,00,000 is invested in a bank at 11% interest per annum compounded annually. On maturity, the amount payable becomes ₹13,67,631. Find the time period of the investment.

- Ans**
- ☒ 1. 3 years
 - ☐ 2. 2.5 years
 - ☐ 3. 1 year
 - ☐ 4. 3.5 years

Q.22 Simplify: $\frac{1}{\tan^2\theta} + \frac{\tan^2\theta}{\sin^2\theta} \times \cos^2\theta$

- Ans**
- ☒ 1. cosec²θ
 - ☐ 2. 1
 - ☐ 3. sin²θ
 - ☐ 4. sec²θ

Q.23 The perimeter of a square is 160 m. Its area (in m^2) is:

- Ans**
- ☐ 1. 1597
 - ☒ 2. 1600
 - ☐ 3. 1588
 - ☐ 4. 1572

Q.24 Mahesh bought some sharpeners at the rate of ₹150 a dozen. He sold them for ₹21 each. His profit percentage is ____%.

- Ans**
- ☐ 1. 66
 - ☐ 2. 72
 - ☒ 3. 68
 - ☐ 4. 70

Q.25 The number 740705 is divisible by which of the following?

- Ans**
- ☒ 1. 5
 - ☐ 2. 12
 - ☐ 3. 4
 - ☐ 4. 9

Q.26 The cost of 13 pens and 3 pencils is ₹152. If the cost of a pen decreases by ₹1 and the cost of a pencil increases by ₹7, then the cost of 18 pens and 3 pencils is ₹165. What is the original cost of 12 pens and 11 pencils?

- Ans**
- ☒ 1. ₹486
 - ☐ 2. ₹489
 - ☐ 3. ₹483
 - ☐ 4. ₹481

Q.27 Eight times the present age of P exceeds the present age of Q by 12 years. After 8 years, three times Q's age will be 28 years less than eight times P's age at that time. What is the present age (in years) of Q?

- Ans**
- ☒ 1. 12
 - ☐ 2. 8
 - ☐ 3. 15
 - ☐ 4. 7

Q.28 A number, when increased by 80%, gives 2430. The number is:

- Ans**
- ☐ 1. 2700
 - ☒ 2. 1350
 - ☐ 3. 4050
 - ☐ 4. 675

Q.29 Simplify the following.

$$2\left(\left(\frac{3}{2}\right)x^2 - 28x + 14\right) - 3(x^2 + 6x - 11)$$

- Ans**
- ☐ 1. $74x - 61$
 - ☐ 2. $74x + 61$
 - ☒ 3. $-74x + 61$
 - ☐ 4. $-74x - 61$

Q.30 Which of the following ratios is the greatest?

- Ans**
- ☐ 1. 35 : 80
 - ☐ 2. 33 : 54
 - ☒ 3. 37 : 56
 - ☐ 4. 38 : 75

Section : General Intelligence and Reasoning

Q.1 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 brother
 - ☐ 2. Husband
 - ☐ 3. Husband's father
 - ☐ 4. Brother

Q.2 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. 14
 - ☐ 2. 8
 - ☐ 3. 12
 - ☐ 4. 11

Q.3 Anshul ranked 38th from the top and 34th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 70
 - ☒ 2. 71
 - ☐ 3. 73
 - ☐ 4. 72

Q.4 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

WDK 84, BIP 79, GNU 74, LSZ 69, QXE 64, ?

- Ans**
- ☐ 1. VYJ 61
 - ☐ 2. UCJ 59
 - ☒ 3. VCJ 59
 - ☐ 4. VCI 49

Q.5 What will come in place of the question mark (?) in the following equation if '+' and 'x' are interchanged and '-' and '÷' are interchanged?

$$38 - 8 \div 2 + 16 \times 8 = ?$$

- Ans**
- ☒ 1. 52
 - ☐ 2. 55
 - ☐ 3. 54
 - ☐ 4. 53

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 plants are trees.

Some trees are grasses.

Conclusions:

(I) Some plants are grasses.

(II) Some trees are plants.

- 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.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. XN - DK
 - ☒ 2. KA - QX
 - ☒ 3. QG - WD
 - ☒ 4. DS - JO

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. EI-HL
 - ☒ 2. NR-OU
 - ☒ 3. MQ-PT
 - ☒ 4. IM-LP

Q.9 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 @ 2 # * 0 8 μ π 3 σ 1 δ 6 9 \$ 4 & 9 β 9 (Right)

How many such symbols are there, which are immediately preceded by a perfect square number and also immediately followed by a perfect square number?

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

Q.10 CFJP is related to FINT in a certain way based on the English alphabetical order. In the same way, ORZF is related to RUDJ. To which of the given options is XALR related, following the same logic?

- Ans**
- ☒ 1. POID
 - ☒ 2. APOI
 - ☒ 3. ADVP
 - ☒ 4. ADPV

Q.11 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. One
 - ☐ 2. Two
 - ☐ 3. Three
 - ☒ 4. None

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. NQM
 - ☐ 2. KNJ
 - ☒ 3. UXS
 - ☐ 4. SVR

Q.13 What should come in place of the question mark (?) in the given series?

10 13 19 28 40 ?

- Ans**
- ☒ 1. 55
 - ☐ 2. 52
 - ☐ 3. 50
 - ☐ 4. 60

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.)

(5, 12, 7)
(22, 30, 8)

- Ans**
- ☒ 1. (18, 31, 13)
 - ☐ 2. (35, 63, 25)
 - ☐ 3. (25, 30, 2)
 - ☐ 4. (18, 24, 3)

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:

No Police Officers are Pilots.
All Pilots are Soldiers.

Conclusions:

I. No Soldiers are Police Officers.
II. Some Police Officers are Soldiers.

- 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.16 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. Three
 - ☐ 2. Four
 - ☒ 3. Five
 - ☐ 4. One

Q.17 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. Two
 - ☐ 3. None
 - ☒ 4. Three

Q.18 Karan ranked 27th from the top and 16th from the bottom in his class. How many students are there in his class?

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

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

A25D E36H I49L M64P ?

- Ans**
- ☒ 1. Q81T
 - ☐ 2. R81U
 - ☐ 3. R81S
 - ☐ 4. S81T

Q.20 In a certain code language, 'FORM' is coded as '4629' and 'RISE' is coded as '1395'. What is the code for 'R' in the given code language?

- Ans**
- ☐ 1. 5
 - ☒ 2. 9
 - ☐ 3. 1
 - ☐ 4. 6

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?
 $93 \times 9 \div 9 - 3 \times 8 + 23 \times 6 \div 3 - 3 \times 2 = ?$

- Ans**
- ☐ 1. 266
 - ☐ 2. 274
 - ☒ 3. 290
 - ☐ 4. 235

Q.22 RBNE is related to VXRA in a certain way based on the English alphabetical order. In the same way, ZTVW is related to DPZS. To which of the following is HLDO related, following the same logic?

- Ans**
- ☒ 1. LHHK
 - ☐ 2. LGFK
 - ☐ 3. KGHL
 - ☐ 4. MFGJ

Q.23 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. 1 km east
 - ☐ 2. 2 km east
 - ☐ 3. 2 km west
 - ☐ 4. 1 km north

Q.24 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. Four
 - ☐ 2. One
 - ☐ 3. Two
 - ☒ 4. Three

Q.25 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. 12 km towards north
 - ☒ 2. 9 km towards south
 - ☐ 3. 9 km towards north
 - ☐ 4. 12 km towards east

Q.26 In a certain code language, 'NOPE' is coded as '6712' and 'NOTE' is coded as '2178'. What is the code for 'T' in the given code language?

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

Q.27 TG 21 is related to OE 4 in a certain way. In the same way, LE 18 is related to GC 1. To which of the following is RT 26 related, following the same logic?

- Ans**
- ☐ 1. LR 9
 - ☒ 2. MR 9
 - ☐ 3. LS 11
 - ☐ 4. LR 11

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

90 87 83 78 72 ?

- Ans**
- ☒ 1. 67
 - ☒ 2. 63
 - ☒ 3. 66
 - ☒ 4. 65

Q.29 What should come in place of the question mark (?) in the given series?

271 216 172 139 117 ?

- Ans**
- ☒ 1. 82
 - ☒ 2. 95
 - ☒ 3. 111
 - ☒ 4. 106

Q.30 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. K
 - ☒ 2. I
 - ☒ 3. G
 - ☒ 4. J



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 Center Name	iON Digital Zone iDZ Azad Puram
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 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 Election Commission
☒ 4. Formation of the Planning Commission

Q.2 Which of the following Directive Principles reflects Gandhian ideology?

- Ans ☒ 1. Equal pay for equal work
☒ 2. Uniform civil code
☒ 3. Organisation of village panchayats
☒ 4. Separation of judiciary from the executive

Q.3 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. Karnataka
☒ 2. Odisha
☒ 3. Madhya Pradesh
☒ 4. Punjab

Q.4 Which of the following styles of temple architecture is predominantly found in North India?

- Ans ☒ 1. Dravidian
☒ 2. Nagara
☒ 3. Baroque
☒ 4. Vesara

Q.5 Sand dunes that form long ridges parallel to the coastline are most common _____.

- Ans ☒ 1. along high rocky coasts
☒ 2. in estuarine regions only
☒ 3. along low sedimentary coasts
☒ 4. along tectonic plate boundaries

Q.6 Which Indian state hosted the International Millet Conference, 2025, to promote millet farming and trade?

- Ans**
- ☐ 1. Odisha
 - ☒ 2. Karnataka
 - ☐ 3. Telangana
 - ☐ 4. Rajasthan

Q.7 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. PM-KISAN
 - ☐ 2. National Rural Health Mission
 - ☒ 3. Ayushman Bharat - PMJAY
 - ☐ 4. Ujjwala Yojana

Q.8 Which of the following is located in the northern part of the Eastern Ghats?

- Ans**
- ☒ 1. Mahendragiri hills
 - ☐ 2. Doddabetta hills
 - ☐ 3. Nilgiri hills
 - ☐ 4. Anaimalai hills

Q.9 Which Article of the Constitution of India deals with the post of the Governor?

- Ans**
- ☐ 1. Article 112
 - ☐ 2. Article 63
 - ☒ 3. Article 153
 - ☐ 4. Article 74

Q.10 The Tropic of Cancer passes through which two northeastern states of India?

- Ans**
- ☐ 1. Tripura and Nagaland
 - ☐ 2. Nagaland and Mizoram
 - ☐ 3. Tripura and Manipur
 - ☒ 4. Tripura and Mizoram

Q.11 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. Mohan Singh
 - ☐ 2. Captain Laxmi
 - ☒ 3. Subhash Chandra Bose
 - ☐ 4. Jawaharlal Nehru

Q.12 Wet farming is least likely to be found among which the following Indian states?

- Ans**
- ☒ 1. Haryana
 - ☐ 2. Manipur
 - ☐ 3. Assam
 - ☐ 4. Tripura

Q.13 Which of the following applications can help you NOT to create a file?

- Ans**
- ☐ 1. Paint
 - ☒ 2. Windows Explorer
 - ☐ 3. Notepad
 - ☐ 4. MS-Word

Q.14 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. Retired Sportsperson Empowerment Training Programme
 - ☐ 2. Pension to Meritorious Sportspersons
 - ☒ 3. Sports Fund for Pension to Meritorious Sportspersons
 - ☐ 4. Panchayat Yuva Krida aur Khel Abhiyan

Q.15 What three-part economic strategy defined India's policy changes in the 1990s?

- Ans**
- ☐ 1. Nationalisation, Regulation and Protectionism
 - ☐ 2. Urbanisation, Industrialisation and Digitalisation
 - ☐ 3. Devolution, Decentralisation and Deregulation
 - ☒ 4. Liberalisation, Privatisation and Globalisation

Q.16 Human development emphasises enlarging people's choices by improving health, education, and income. Which global organisation publishes the Human Development Index (HDI)?

- Ans**
- ☐ 1. International Monetary Fund
 - ☒ 2. United Nations Development Programme
 - ☐ 3. World Bank
 - ☐ 4. World Economic Forum

Q.17 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.18 Why is infrastructure referred to as the 'wheels' of economic growth?

- Ans**
- ☒ 1. It enables delivery of goods, services and access.
 - ☐ 2. It is part of international trade.
 - ☐ 3. It helps in stabilising inflation.
 - ☐ 4. It supports currency circulation.

Q.19 Which state / union territory had the highest urbanisation in 2011, as per the Census of India data?

- Ans**
- ☐ 1. Chandigarh
 - ☐ 2. Meghalaya
 - ☐ 3. Assam
 - ☒ 4. Delhi

Q.20 Which legal authority gives statutory status to Lok Adalats in India?

- Ans**
- ☐ 1. The Arbitration and Conciliation Act
 - ☐ 2. The Indian Penal Code
 - ☒ 3. The Legal Services Authorities Act
 - ☐ 4. The Civil Procedure Code

Q.21 The critical angle for diamond is approximately ____.

- Ans**
- ☐ 1. 45°
 - ☒ 2. 24.4°
 - ☐ 3. 60°
 - ☐ 4. 31.8°

Q.22 Which of the following institutes launched Bharat Cancer Genome Atlas in February 2025?

- Ans**
- ☐ 1. Indian Institute of Technology, Delhi
 - ☐ 2. Indian Institute of Technology, Gandhinagar
 - ☒ 3. Indian Institute of Technology, Madras
 - ☐ 4. Indian Institute of Technology, Bombay

Q.23 Which single-window telecom regulator's April 2025 consultation on satellite-based spectrum assignment complements India's 6G backhaul ambitions?

- Ans**
- ☒ 1. TRAI
 - ☐ 2. NIC
 - ☐ 3. NIXI
 - ☐ 4. WPC

Q.24 The Advocates (Amendment) Bill, 2025, proposed which significant change to the legal profession?

- Ans**
- ☐ 1. Dissolution of Bar Council of India structure
 - ☐ 2. Ban on entry of foreign law firms in India
 - ☒ 3. Recognising in-house counsel and corporate lawyers as "legal practitioners"
 - ☐ 4. Retirement age fixed at 60 for advocates

Q.25 Providing immediate assistance during a disaster is classified under which stage of disaster management?

- Ans**
- ☒ 1. Relief response
 - ☐ 2. Prevention
 - ☐ 3. Preparation
 - ☐ 4. Reconstruction

Q.26 Which Indian state is set to host the country's first AI-centric Special Economic Zone (SEZ)?

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

Q.27 Which Amendment is considered a near rewrite of the Constitution and made changes to the Preamble, Schedule VII and 53 Articles?

- Ans**
- ☐ 1. 44th Amendment
 - ☐ 2. 86th Amendment
 - ☒ 3. 42nd Amendment
 - ☐ 4. 38th Amendment

Q.28 What is the name of the ancient Indian text on dramaturgy and theatre?

- Ans**
- ☐ 1. Manusmriti
 - ☐ 2. Arthashastra
 - ☐ 3. Rigveda
 - ☒ 4. Natya Shastra

Q.29 Which of the following events led to the division of the Indian National Congress into Moderates and Extremists in 1907?

- Ans**
- ☐ 1. Partition of Bengal
 - ☒ 2. Surat Session
 - ☐ 3. Formation of Muslim League
 - ☐ 4. Arrival of Simon Commission

Q.30 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.31 Which of the following is used to access programs, files and settings in Windows 7?

- Ans**
- ☐ 1. Taskbar
 - ☐ 2. Notification Area
 - ☒ 3. Start Button
 - ☐ 4. Control Panel

Q.32 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. Indonesia
 - ☒ 2. India
 - ☐ 3. Bangladesh
 - ☐ 4. Egypt

Q.33 Rajendra Chola I is known for his naval expeditions on the revived Sri Vijaya empire of:

- Ans**
- ☐ 1. Myanmar
 - ☒ 2. Indonesia
 - ☐ 3. Sri Lanka
 - ☐ 4. Cambodia

Q.34 In May 2025, the central government extended the tenure of Central Bureau of Investigation (CBI) director Praveen Sood for a period of _____.

- Ans**
- ☐ 1. 3 months
 - ☐ 2. 6 months
 - ☐ 3. 2 years
 - ☒ 4. 1 year

Q.35 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.36 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. Army and Navy
 - ☐ 2. Army and Coast Guard
 - ☒ 3. Army, Navy, and Air Force
 - ☐ 4. Navy and Air Force

Q.37 Which foreign ruler invaded India in 1739, leading to the massacre of Delhi and further weakening the Mughal Empire?

- Ans**
- ☐ 1. Ahmad Shah Abdali
 - ☐ 2. Sher Shah
 - ☐ 3. Babur
 - ☒ 4. Nadir Shah

Q.38 Which constitutional body is empowered to adjudicate legal disputes between the Centre and one or more states in India?

- Ans**
- ☐ 1. Finance Commission
 - ☒ 2. Supreme Court of India
 - ☐ 3. Inter-State Council
 - ☐ 4. Election Commission

Q.39 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. NBFCs: The Rise of the Indian Economy
 - ☒ 2. Shared Vision, Shared Responsibility: Strengthening the NBFCs
 - ☐ 3. Advancing the Digital Disruptions in NBFCs
 - ☐ 4. The Future of NBFC Unfolds

Q.40 Which Indian author won the Debut category at the KLF Book Awards in 2025 for 'The Many Lives of Syeda X'?

- Ans**
- ☒ 1. Neha Dixit
 - ☐ 2. Anant Vijay
 - ☐ 3. Rohit Manchanda
 - ☐ 4. Gautam Choubey

Section : Mathematics

Q.1 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. 18
 - ☒ 2. 17
 - ☐ 3. 19
 - ☐ 4. 15

Q.2 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. 11
 - ☐ 3. 13
 - ☐ 4. 19

Q.3 Arun bought some pencils at the rate of ₹180 a dozen. He sold them for ₹18 each. His profit percentage is ____%.

- Ans**
- ☐ 1. 18
 - ☐ 2. 22
 - ☒ 3. 20
 - ☐ 4. 24

Q.4 The average of first 166 even numbers is

- Ans**
- ☐ 1. 166.5
 - ☐ 2. 168
 - ☐ 3. 167.5
 - ☒ 4. 167

Q.5 What sum of money (in ₹) will amount to ₹2,160 at 5% per annum simple interest in 5 years?

- Ans**
- ☐ 1. ₹1,678
 - ☒ 2. ₹1,728
 - ☐ 3. ₹1,778
 - ☐ 4. ₹8,640

Q.6 The value of $\sqrt{196} + \sqrt{0.0256} - \sqrt{7.29}$ is ____.

- Ans**
- ☐ 1. 12.2
 - ☒ 2. 11.46
 - ☐ 3. 8.11
 - ☐ 4. 9.2

Q.7 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. 8.58
 - ☐ 3. 8.9
 - ☐ 4. 10.44

Q.8 The value of $2^2 + \sqrt{8^2} - 3\sqrt{100} - 19$ is

- Ans**
- ☒ 1. -37
 - ☐ 2. -44
 - ☐ 3. -28
 - ☐ 4. -45

Q.9 The sum of two numbers is 84 and their L.C.M. is 245. What are the two numbers?

- Ans**
- ☒ 1. 49, 35
 - ☐ 2. 54, 30
 - ☐ 3. 47, 37
 - ☐ 4. 42, 42

Q.10 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. ₹516
 - ☐ 2. ₹486
 - ☐ 3. ₹548
 - ☐ 4. ₹524

Q.11 The value of $(3^0 + 3^{-2} + 3^{-1}) \times 27$ is _____.

- Ans
- ☐ 1. 3
 - ☐ 2. 32
 - ☐ 3. 23
 - ☒ 4. 39

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. Two successive discounts of 20% and 10% ; ₹1,600
 - ☐ 3. Single discount of 28% ; ₹1,005
 - ☐ 4. Single discount of 28% ; ₹1,500

Q.13 What is the median of the following data?

24, 30, 40, 80, 15, 57, 78, 82, 39, 97, 82

- Ans
- ☒ 1. 57
 - ☐ 2. 56.5
 - ☐ 3. 57.5
 - ☐ 4. 58

Q.14 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. 54
 - ☐ 2. 64
 - ☐ 3. 56
 - ☐ 4. 53

Q.15 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. $\sin^2\theta + \tan^2\theta$
 - ☐ 2. $\operatorname{cosec}^2\theta + \cot^2\theta$
 - ☒ 3. $\sec^2\theta - \tan^2\theta$
 - ☐ 4. $\cos^2\theta - \cot^2\theta$

Q.16 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. 41 years
 - ☒ 3. 36 years
 - ☐ 4. 46 years

Q.17 A number, when increased by 60%, gives 3630. The number is:

- Ans
- ☐ 1. 6806.25
 - ☐ 2. 1134.375
 - ☐ 3. 4537.5
 - ☒ 4. 2268.75

Q.18 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. 295
 - ☒ 3. 282
 - ☐ 4. 291

Q.19 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. $\frac{15}{28}$
 - ☒ 2. $\frac{17}{28}$
 - ☐ 3. $\frac{27}{28}$
 - ☐ 4. $\frac{25}{28}$

Q.20 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. 33%
 - ☐ 2. 12%
 - ☐ 3. 26%
 - ☐ 4. 14%

Q.21 Which of the following ratios is the greatest?

- Ans
- ☒ 1. 50 : 62
 - ☐ 2. 35 : 77
 - ☐ 3. 47 : 67
 - ☐ 4. 38 : 83

Q.22 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. 28
 - ☐ 2. 29
 - ☒ 3. 30
 - ☐ 4. 25

Q.23 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. 105
 - ☐ 2. 12
 - ☐ 3. 5
 - ☒ 4. 92

Q.24 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. 16,360
 - ☐ 2. 16,363
 - ☒ 3. 16,362
 - ☐ 4. 16,358

Q.25 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. 4 km/hr
 - ☐ 2. 3 km/hr
 - ☒ 3. 9 km/hr
 - ☐ 4. 5 km/hr

Q.26 By selling an article at $\frac{4}{13}$ of its actual selling price, Hitesh incurs a loss. Then the profit percentage is:

- Ans
- ☐ 1. 54.5%
 - ☐ 2. 54.2%
 - ☐ 3. 53.9%
 - ☒ 4. 52.1%

Q.27 ₹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. ₹31,552
 - ☒ 2. ₹31,464
 - ☐ 3. ₹31,278
 - ☐ 4. ₹31,576

Q.28 Pipe P can fill $\frac{2}{9}$ part of a tank in 20 hours, and pipe Q can fill $\frac{2}{5}$ part. Both P and Q were kept open for 3 hours, then both were closed. Pipe R emptied the water in the tank in 4 hours. Pipes P, Q and R together

- Ans
- ☐ 1. 101 hours
 - ☐ 2. 134 hours
 - ☒ 3. 120 hours
 - ☐ 4. 100 hours

Q.29 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.30 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. $180\sqrt{3}$ sq.cm
 - ☒ 2. 450 sq.cm
 - ☐ 3. 337.50 sq.cm
 - ☐ 4. 540 sq.cm

Section : General Intelligence and Reasoning

Q.1 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. KYK
 - ☐ 2. KUK
 - ☐ 3. YKK
 - ☐ 4. KKY

Q.2 What should come in place of the question mark (?) in the given series?
97, 101, 110, 126, 151, ?

- Ans**
- ☐ 1. 178
 - ☒ 2. 187
 - ☐ 3. 185
 - ☐ 4. 186

Q.3 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. 2
 - ☐ 3. 6
 - ☐ 4. 5

Q.4 What should come in place of ? in the given series based on the English alphabetical order?

RTM PRK NPI LNG ?

- Ans**
- ☐ 1. JLF
 - ☐ 2. JKF
 - ☒ 3. JLE
 - ☐ 4. JKE

Q.5 What should come in place of the question mark (?) in the given series?

9 25 50 82 123 ?

- Ans**
- ☐ 1. 117
 - ☒ 2. 171
 - ☐ 3. 172
 - ☐ 4. 127

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 % £ 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. Two
 - ☐ 2. None
 - ☒ 3. More than two
 - ☐ 4. One

Q.7 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. VYKI
 - ☐ 2. VJKU
 - ☐ 3. VIKU
 - ☒ 4. VYJK

Q.8 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. 16
 - ☐ 2. 14
 - ☐ 3. 12
 - ☐ 4. 15

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.)

45, 165
21, 141

- Ans**
- ☒ 1. 38, 158
 - ☐ 2. 32, 162
 - ☐ 3. 12, 122
 - ☐ 4. 25, 155

Q.10 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. Three
 - ☐ 2. Two
 - ☐ 3. Four
 - ☐ 4. One

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 pins are bugs. All pins are rulers.

Conclusions (I): Some bugs are rulers.

Conclusions (II): All rulers are pins.

- 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.12 What should come in place of the question mark (?) in the given series?

1091 1092 1096 1105 1121 ?

- Ans**
- ☒ 1. 1131
 - ☒ 2. 1141
 - ☒ 3. 1136
 - ☒ 4. 1146

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. YBE
 - ☒ 2. LQR
 - ☒ 3. TWZ
 - ☒ 4. PSV

Q.14 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. D
 - ☒ 2. A
 - ☒ 3. F
 - ☒ 4. C

Q.15 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. 2
 - ☒ 2. 6
 - ☒ 3. 3
 - ☒ 4. 4

Q.16 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. 5 km to the east
 - ☐ 2. 4 km to the east
 - ☐ 3. 4 km to the west
 - ☒ 4. 5 km to the west

Q.17 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.18 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. 6
 - ☐ 2. 5
 - ☐ 3. 8
 - ☐ 4. 7

Q.19 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. 7 km towards north
 - ☐ 3. 25 km towards south
 - ☐ 4. 6 km towards east

Q.20 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. OKIU
 - ☒ 2. OEKS
 - ☐ 3. OKIT
 - ☐ 4. KIOP

Q.21 Aditya ranked 19th from the top and 29th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 47
 - ☐ 2. 48
 - ☐ 3. 49
 - ☐ 4. 46

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 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. DB-ZX
 - ☐ 2. VT-RP
 - ☐ 3. HF-DB
 - ☒ 4. OM-JK

Q.24 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. K
 - ☐ 3. N
 - ☐ 4. I

Q.25 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 mother
 - ☐ 2. Husband's mother
 - ☐ 3. Daughter's husband's sister
 - ☐ 4. Husband's sister

Q.26 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. Two
 - ☐ 3. More than two
 - ☒ 4. One

Q.27 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. NXFY
 - ☐ 2. OWGX
 - ☐ 3. MYEZ
 - ☐ 4. NWEX

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 chairs are papers.

No chair is a desk.

Conclusions:

(I): No paper is a desk.

(II): All papers are chairs.

- 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.29 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. 12
 - ☒ 2. 14
 - ☒ 3. 11
 - ☒ 4. 13

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. DY - ZD
 - ☒ 2. ZG - VL
 - ☒ 3. WA - SF
 - ☒ 4. ME - HJ



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



Test Center Name	Kedarnath Technologies
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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : General Awareness

Q.1 What is the term for India's mainstream Hindi-language film industry?

- Ans
- ☒ 1. Tollywood
 - ☒ 2. Bollywood
 - ☐ 3. Mollywood
 - ☐ 4. Kollywood

Q.2 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 V standard pass
 - ☒ 3. At least VIII standard pass
 - ☐ 4. At least XII standard pass

Q.3 Which Article gives the President of India the power to grant pardons and reprieves?

- Ans
- ☒ 1. Article 72
 - ☐ 2. Article 75
 - ☐ 3. Article 74
 - ☐ 4. Article 76

Q.4 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. 1800
 - ☐ 4. 1803

Q.5 Which of the following options explains the variation in temperature between coastal and interior parts of India?

- Ans**
- ☐ 1. Pressure belts
 - ☐ 2. Latitude
 - ☐ 3. Altitude
 - ☒ 4. Continentality

Q.6 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. Buddhism
 - ☐ 2. Jainism
 - ☐ 3. Hinduism
 - ☐ 4. Islam

Q.7 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. Line Probe Assay
 - ☒ 3. Truenat
 - ☐ 4. CB-NAAT

Q.8 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. Malik Firoz Khan Noon
 - ☐ 2. Muhammad Ali Jinnah
 - ☐ 3. Benazir Bhutto
 - ☒ 4. Liaquat Ali Khan

Q.9 What was the Extremists' method to resist British policies apart from agitation and boycott?

- Ans**
- ☐ 1. Cultural assimilation
 - ☐ 2. Armed rebellion
 - ☐ 3. Petitioning Parliament
 - ☒ 4. Passive resistance

Q.10 Where was India's first solar-powered airport terminal inaugurated in early 2025?

- Ans**
- ☒ 1. Kerala
 - ☐ 2. Dehradun
 - ☐ 3. Bhubaneswar
 - ☐ 4. Goa

Q.11 What type of rocks mainly compose the Peninsular Plateau of India?

- Ans**
- ☐ 1. Young sedimentary rocks formed in coastal plains
 - ☒ 2. Old crystalline, igneous and metamorphic rocks
 - ☐ 3. Layers of limestone and sandstone from marine origin
 - ☐ 4. Recent volcanic lava deposits from plate margins

Q.12 What is the nature of the Concurrent List in the Indian Constitution?

- Ans**
- ☒ 1. Both the Centre and the States can legislate
 - ☐ 2. Only during emergencies
 - ☐ 3. Exclusively for Union
 - ☐ 4. Exclusively for States

Q.13 The Kyoto Protocol is related to (the) ____.

- Ans**
- ☐ 1. protection of ozone layer
 - ☐ 2. preservation of wildlife
 - ☐ 3. desertification control
 - ☒ 4. reduction of greenhouse gas emissions

Q.14 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. UDAN
 - ☐ 3. Sagarmala
 - ☐ 4. PM Gati Shakti

Q.15 The primary purpose of the cache memory is to:

- Ans**
- ☐ 1. store data permanently
 - ☐ 2. store data for later use
 - ☐ 3. display images on screen
 - ☒ 4. increase the speed of data retrieval

Q.16 Why are tribal settlements usually located in remote and forested areas of India?

- Ans**
- ☐ 1. Because they are not allowed to enter cities
 - ☐ 2. Due to easy access to modern infrastructure
 - ☐ 3. Because government policies force them to live there
 - ☒ 4. Because forests provide natural resources and livelihood

Q.17 In April 2025, which Indian opposition leader discussed concerns about democratic backsliding in a 2025 event at Brown University?

- Ans**
- ☐ 1. Arvind Kejriwal
 - ☒ 2. Rahul Gandhi
 - ☐ 3. Sharad Pawar
 - ☐ 4. Mamata Banerjee

Q.18 Which value has three significant figures?

- Ans**
- ☐ 1. 0.0056
 - ☒ 2. 23.0
 - ☐ 3. 1.620
 - ☐ 4. 287.50

Q.19 John Dramani Mahama has been sworn in as the President of which country in January 2025?

- Ans**
- ☒ 1. Ghana
 - ☐ 2. South Africa
 - ☐ 3. Kenya
 - ☐ 4. Morocco

Q.20 Where was INIOCHOS-25, the multinational air exercise hosted by the Hellenic Air Force, conducted?

- Ans**
- ☒ 1. Greece
 - ☐ 2. Bulgaria
 - ☐ 3. Albania
 - ☐ 4. Macedonia

Q.21 Which ministry introduced the Drugs and Cosmetics (Compounding of Offences) Rules, 2025, to streamline minor offence resolution?

- Ans**
- ☐ 1. Ministry of Consumer Affairs, Food and Public Distribution
 - ☐ 2. Ministry of Pharmaceuticals
 - ☒ 3. Ministry of Health and Family Welfare
 - ☐ 4. Ministry of Chemicals and Fertilizers

Q.22 Which of the following is an example of secondary memory?

- Ans**
- ☐ 1. Cache Memory
 - ☐ 2. ROM
 - ☐ 3. RAM
 - ☒ 4. Hard Disk

Q.23 Which of the following factors has least contributed to rural distress in India?

- Ans**
- ☐ 1. Post-harvest infrastructure shortages
 - ☒ 2. High rural literacy levels
 - ☐ 3. Declining productivity of rainfed agriculture
 - ☐ 4. Fragmentation of land holdings

Q.24 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 (Monitoring and Pricing) Order, 2025
 - ☒ 2. The Sugar (Control) Order, 2025
 - ☐ 3. The Sugar (Production and Supply) Order, 2025
 - ☐ 4. The Sugar (Trade and Export) Order, 2025

Q.25 Tertiary activities are also known as the:

- Ans**
- ☐ 1. agricultural sector
 - ☐ 2. health sector
 - ☒ 3. service sector
 - ☐ 4. industrial sector

Q.26 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 Corporation
 - ☐ 4. Municipal Council

Q.27 The World Happiness Report, 2025, ranked which of following countries as the happiest in the world for the seventh consecutive year?

- Ans**
- ☐ 1. Iceland
 - ☒ 2. Finland
 - ☐ 3. Denmark
 - ☐ 4. Switzerland

Q.28 The Sannyasi-Fakir Rebellion commenced in the second half of which of the following centuries?

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

Q.29 Which of the following mass movements occurs when saturated soil and debris flow down a slope during heavy rainfall?

- Ans**
- ☒ 1. Mudflow
 - ☐ 2. Avalanche
 - ☐ 3. Soil creep
 - ☐ 4. Rockfall

Q.30 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.31 As in May 2025, who was the Secretary, Department of Atomic Energy (DAE) & Chairman, Atomic Energy Commission (AEC)?

- Ans**
- ☐ 1. Sekhar Basu
 - ☒ 2. Ajit Kumar Mohanty
 - ☐ 3. Ratan Kumar Sinha
 - ☐ 4. KN Vyas

Q.32 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. Ghiyasuddin Tughluq
 - ☐ 2. Ghiyasuddin Balban
 - ☒ 3. Alauddin Khalji
 - ☐ 4. Khizr Khan

Q.33 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. Deep-submergence rescue vessel
 - ☒ 2. Polar research vessel
 - ☐ 3. Aircraft carrier
 - ☐ 4. Hospital ship

Q.34 On which of the following states of India did Siraj-ud- Daula, Mir Jafar and Mir Qasim rule in the 18th century?

- Ans**
- ☐ 1. Andhra
 - ☒ 2. Bengal
 - ☐ 3. Gujarat
 - ☐ 4. Kerala

Q.35 In India, how many sessions of Parliament are held in a year?

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

Q.36 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.37 Who received the Football Writers' Association (FWA) Women's Footballer of the Year award for the 2024-25 season?

- Ans**
- ☐ 1. Mariona Caldentey
 - ☐ 2. Khadija Shaw
 - ☐ 3. Lauren James
 - ☒ 4. Alessia Russo

Q.38 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 Electronics & Information Technology
 - ☐ 4. Union Minister for Defence

Q.39 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 increase government control
 - ☐ 4. To nationalise all companies

Q.40 The 18th Pravasi Bharatiya Divas Convention (PBD) 2025 was held in which month of 2025 in Bhubaneswar?

- Ans**
- ☐ 1. April
 - ☐ 2. March
 - ☐ 3. February
 - ☒ 4. January

Section : Mathematics

Q.1 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. 33.12
 - ☐ 2. 36.12
 - ☐ 3. 35.12
 - ☒ 4. 34.12

Q.2 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. 69.95
 - ☒ 2. 76.47
 - ☐ 3. 72.94
 - ☐ 4. 79.14

Q.3 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. $2\frac{58}{73}$ days

✗ 2. $10\frac{58}{73}$ days

✗ 3. $7\frac{58}{73}$ days

✗ 4. $6\frac{58}{73}$ days

Q.4 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. 16 : 1

✓ 2. 8 : 1

✗ 3. 4 : 1

✗ 4. 2 : 1

Q.5 The LCM of the numbers 3.9 and 0.169 is:

Ans

✗ 1. 0.507

✗ 2. 507

✗ 3. 5.07

✓ 4. 50.7

Q.6 The number 869671195 is divisible by which of the following?

Ans

✓ 1. 5

✗ 2. 13

✗ 3. 15

✗ 4. 12

Q.7 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. 143

✗ 3. 104

✓ 4. 117

Q.8 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. 13.77

✗ 2. 16.92

✗ 3. 14.22

✓ 4. 14.31

Q.9 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:

(Take $\pi = \frac{22}{7}$)

- Ans**
- ☒ 1. 16.68
 - ☒ 2. 13.71
 - ☒ 3. 13.96
 - ☒ 4. 16.52

Q.10 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. ₹24
 - ☒ 2. ₹26
 - ☒ 3. ₹22
 - ☒ 4. ₹20

Q.11 If the third proportional of 26 and 52 be x, then what is the value of x?

- Ans**
- ☒ 1. 102
 - ☒ 2. 106
 - ☒ 3. 107
 - ☒ 4. 104

Q.12 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. 104
 - ☒ 2. 154
 - ☒ 3. 204
 - ☒ 4. 84

Q.13 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. 90°
 - ☒ 2. 88°
 - ☒ 3. 85°
 - ☒ 4. 91°

Q.14 By selling an article at $\frac{2}{5}$ of its actual selling price, Aman incurs a loss
 If he sells it at 81% of its actual selling price, then the profit percentag



- Ans**
- ☒ 1. 55.7%
 - ☒ 2. 53.9%
 - ☒ 3. 55.9%
 - ☒ 4. 55.5%

Q.15 The product of two consecutive natural numbers is 306. The greater of the two numbers is:

- Ans**
- ☒ 1. 18
 - ☒ 2. 36
 - ☒ 3. 19
 - ☒ 4. 31

Q.16 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. ₹30,400
 - ☒ 4. ₹31,400

Q.17 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.18 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. 28.67%
 - ☐ 2. 30.67%
 - ☒ 3. 26.67%
 - ☐ 4. 24.67%

Q.19 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. 531
 - ☒ 2. 488
 - ☐ 3. 517
 - ☐ 4. 495

Q.20 A number when increased by 100% gives 2770. The number is:

- Ans**
- ☐ 1. 2770
 - ☐ 2. 4155
 - ☒ 3. 1385
 - ☐ 4. 692.5

Q.21 What is the discount on a product with a list price of ₹3,000 and a discount rate of 25%?

- Ans**
- ☐ 1. ₹900
 - ☐ 2. ₹1,000
 - ☒ 3. ₹750
 - ☐ 4. ₹700

Q.22 The value of $\frac{2}{5} + \left(\frac{1}{1 + \frac{4}{9}} \right) - \frac{4}{5}$ is

- Ans
- ☐ 1. $\frac{20}{73}$
 - ☐ 2. $\frac{12}{59}$
 - ☒ 3. $\frac{19}{65}$
 - ☐ 4. $\frac{24}{67}$

Q.23 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. 22
 - ☐ 2. 23
 - ☒ 3. 24
 - ☐ 4. 26

Q.24 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.25 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. 7,483
 - ☒ 2. 9,621
 - ☐ 3. 5,345
 - ☐ 4. 3,207

Q.26 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.27 Find the value of $14^{-23} \times 25^{-23} \times 15^{-23}$.

- Ans
- ☐ 1. $\frac{1}{5214^{23}}$
 - ☒ 2. $\frac{1}{5250^{23}}$
 - ☐ 3. $\frac{1}{5257^{23}}$
 - ☐ 4. $\frac{1}{5243^{23}}$

Q.28 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. ₹25,540
 - ☐ 2. ₹24,870
 - ☒ 3. ₹24,650
 - ☐ 4. ₹23,995

Q.29 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. 16 days
 - ☐ 2. 18 days
 - ☐ 3. 15 days
 - ☒ 4. 20 days

Q.30 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. 7
 - ☐ 2. 2
 - ☒ 3. 3
 - ☐ 4. 4

Section : General Intelligence and Reasoning

Q.1 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. Two
 - ☒ 3. One
 - ☐ 4. Three

Q.2 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 KKKV related, following the same logic?

- Ans**
- ☐ 1. MEBR
 - ☒ 2. NFAQ
 - ☐ 3. MDAP
 - ☐ 4. OGZP

Q.3 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. 12
 - ☐ 2. 10
 - ☒ 3. 11
 - ☐ 4. 13

Q.4 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. 12
 - ☐ 2. 4
 - ☒ 3. 19
 - ☐ 4. 26

Q.5 In a certain code language,
'A % B' means 'A is the daughter of B',
'A = B' means 'A is the wife of B',
'A $\forall$ 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 $\forall$ S'?

- Ans**
- ☐ 1. Mother's brother's wife
 - ☒ 2. Mother's brother's daughter
 - ☐ 3. Mother's brother's sister
 - ☐ 4. Mother's brother's son

Q.6 JGCK is related to HEAI in a certain way based on the English alphabetical order. In the same way, MJFN is related to KHD L. To which of the given options is PMIQ related, following the same logic?

- Ans**
- ☐ 1. NKHO
 - ☐ 2. NKGP
 - ☒ 3. NKGO
 - ☐ 4. NKHP

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. ZC-EH
 - ☐ 2. JM-OR
 - ☒ 3. FI-KM
 - ☐ 4. TW-YB

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

26 38 46 58 66 78 ?

- Ans**
- ☐ 1. 88
 - ☐ 2. 82
 - ☒ 3. 86
 - ☐ 4. 84

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

99 100 105 114 127 ?

- Ans**
- ☐ 1. 143
 - ☐ 2. 146
 - ☐ 3. 145
 - ☒ 4. 144

- 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 cartons are boxes.
No box is a sheet.

Conclusions:

(I) No carton is a sheet.
(II) Some sheets are boxes.

- 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.11** 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. GOF
☐ 3. JOE
☒ 4. GOE

- Q.12** 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. 4
☐ 2. 5
☒ 3. 3
☐ 4. 2

- Q.13** 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. 51
☐ 3. 50
☒ 4. 52

- Q.14** 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 south
☐ 3. 7 km to the north
☐ 4. 6 km to the south

Q.15 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. TMC 54
 - ☒ 2. UND 56
 - ☒ 3. SNB 57
 - ☒ 4. UMB 56

Q.16 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. Four
 - ☒ 2. Two
 - ☒ 3. One
 - ☒ 4. Three

Q.17 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. 2 km towards west
 - ☒ 2. 9 km towards north
 - ☒ 3. 7 km towards south
 - ☒ 4. 3 km towards east

Q.18 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. 1
 - ☒ 2. 3
 - ☒ 3. 9
 - ☒ 4. 6

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. 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. 4
 - ☒ 2. 1
 - ☒ 3. 3
 - ☒ 4. 2

Q.20 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. 11
 - ☒ 3. 8
 - ☒ 4. 10

Q.21 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. Three
 - ☐ 3. One
 - ☐ 4. None

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 pair.)

- Ans**
- ☐ 1. HL-CU
 - ☒ 2. WA-RI
 - ☐ 3. NR-IA
 - ☐ 4. CG-XP

Q.23 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. 48
 - ☐ 2. 36
 - ☐ 3. 9
 - ☒ 4. 72

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/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. (33, 100, 301)
 - ☐ 3. (18, 54, 153)
 - ☐ 4. (22, 45, 105)

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.

LONG - ONLG - GNOL
EARN - AREN - NRAE

- Ans**
- ☒ 1. CUTE - UCTE - EUTC
 - ☒ 2. BACK - ACBK - ACKB
 - ☒ 3. COIN - OICN - NIOC
 - ☒ 4. SKIP - SIKP - PIKS

Q.26 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. Neither conclusion (I) nor (II) follows.
 - ☒ 2. Only conclusion (I) follows.
 - ☒ 3. Only conclusion (II) follows.
 - ☒ 4. Both conclusions (I) and (II) follow.

Q.27 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 D 16 A 4 C 6 B 2 = ?

- Ans**
- ☒ 1. 31
 - ☒ 2. 26
 - ☒ 3. 14
 - ☒ 4. 37

Q.28 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. 5
 - ☒ 4. 4

Q.29 What should come in place of the question mark (?) in the given series?

5 7 11 17 25 ?

- Ans**
- ☒ 1. 30
 - ☒ 2. 25
 - ☒ 3. 35
 - ☒ 4. 40

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. MP-TK
 - ☒ 2. OR-VM
 - ☒ 3. KN-RI
 - ☒ 4. QT-XP