



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

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



Test Date	29/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

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

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

Section : General Awareness

Q.1 Which of the following is a private sector organisation in India?

- Ans ☒ 1. SAIL
☒ 2. TISCO
☒ 3. ONGC
☒ 4. Indian Railways

Q.2 Which of the following States enjoys special provisions under Article 371A due to its unique customary law and land ownership practices?

- Ans ☒ 1. Sikkim
☒ 2. Mizoram
☒ 3. Nagaland
☒ 4. Manipur

Q.3 Who among the following sent a telegram on 6 August 1857 stating, 'Our men are cowed by the numbers opposed to them and the endless fighting. Every village is held against us, the zamindars have risen to oppose us'?

- Ans ☒ 1. Lieutenant Colonel William Lambton
☒ 2. Lord Cornwallis
☒ 3. Lieutenant Colonel Tytler
☒ 4. Robert Clive

Q.4 What does ASCII stand for?

- Ans ☒ 1. American Standard Code for Information Interchange
☒ 2. Auxiliary System for Communication and Interchange
☒ 3. Advanced Standard Coding in Information Industry
☒ 4. Automated System for Computer Information Interchange

Q.5 Which of following sports events was clinched by Indian pair Manush Shah and Diya Chitale in April 2025?

- Ans ☒ 1. WTT Contender Lagos 2025
☒ 2. WTT Contender Tunis 2025
☒ 3. WTT Star Contender Ljubljana 2025
☒ 4. United States Smash 2025

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Q.6	What is the mass percentage of sodium hypochlorite typically present in a commercial bleaching solution?
Ans	<div><div><input checked="" type="checkbox"/></div>1. 3.62%</div> <div><div><input type="checkbox"/></div>2. 5.46%</div> <div><div><input type="checkbox"/></div>3. 2.57%</div> <div><div><input type="checkbox"/></div>4. 10.85%</div>
Q.7	In which of the following cities was the Paramhansa Mandali founded to work for the abolition of caste?
Ans	<div><div><input type="checkbox"/></div>1. Kanpur</div> <div><div><input type="checkbox"/></div>2. Surat</div> <div><div><input type="checkbox"/></div>3. Patna</div> <div><div><input checked="" type="checkbox"/></div>4. Bombay</div>
Q.8	What is the name of the Indian Light Tank that achieved a major milestone in high-altitude firing trials in December 2024?
Ans	<div><div><input type="checkbox"/></div>1. Arjun</div> <div><div><input checked="" type="checkbox"/></div>2. Zorawar</div> <div><div><input type="checkbox"/></div>3. Bhishma</div> <div><div><input type="checkbox"/></div>4. Vijayanta</div>
Q.9	According to the India Justice Report 2025, which two states have the highest share of women judges at the High Court level at 33%?
Ans	<div><div><input type="checkbox"/></div>1. Kerala and Andhra Pradesh</div> <div><div><input type="checkbox"/></div>2. Uttar Pradesh and Odisha</div> <div><div><input checked="" type="checkbox"/></div>3. Sikkim and Telangana</div> <div><div><input type="checkbox"/></div>4. Chhattisgarh and Madhya Pradesh</div>
Q.10	Select the correct sequence of steps to create a new folder on the desktop?
Ans	<div><div><input type="checkbox"/></div>1. Right-click Taskbar → Select Folder → Press Enter</div> <div><div><input type="checkbox"/></div>2. Click Start → Settings → New → Folder</div> <div><div><input type="checkbox"/></div>3. Open File Explorer → Right-click Desktop → New Folder</div> <div><div><input checked="" type="checkbox"/></div>4. Right-click Desktop → New → Folder</div>
Q.11	Which of the following factors DOES NOT directly influence population distribution in India?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Official language</div> <div><div><input type="checkbox"/></div>2. Climate</div> <div><div><input type="checkbox"/></div>3. Soil fertility</div> <div><div><input type="checkbox"/></div>4. Topography</div>
Q.12	Article 6 deals with persons who migrated to India from ____.
Ans	<div><div><input type="checkbox"/></div>1. Bangladesh</div> <div><div><input type="checkbox"/></div>2. Sri Lanka</div> <div><div><input checked="" type="checkbox"/></div>3. Pakistan</div> <div><div><input type="checkbox"/></div>4. Nepal</div>
Q.13	Which area of the main stem and roots contains the spongy, soft parenchyma cells that carry and store nutrients for the plant?
Ans	<div><div><input checked="" type="checkbox"/></div>1. Pith</div> <div><div><input type="checkbox"/></div>2. Cortex</div> <div><div><input type="checkbox"/></div>3. Metaxylem</div> <div><div><input type="checkbox"/></div>4. Stele</div>

Q.14 Which of the following Articles of the Indian Constitution deals with Union Territories?

- Ans
- ☐ 1. Article 7
 - ☐ 2. Article 1
 - ☐ 3. Article 262
 - ☒ 4. Article 239

Q.15 Which of the following players completed 12,000 runs in T20 cricket and became eighth player to achieve the milestone in April 2025?

- Ans
- ☐ 1. Ravindra Jadeja
 - ☐ 2. MS Dhoni
 - ☒ 3. Rohit Sharma
 - ☐ 4. Virat Kohli

Q.16 Which organisation published the 2025 edition of the 'State of the World's Nursing' report?

- Ans
- ☐ 1. International Labour Organization (ILO)
 - ☐ 2. World Bank
 - ☐ 3. UNICEF
 - ☒ 4. World Health Organization (WHO)

Q.17 Birch and Rhododendrons are found in which kind of forests?

- Ans
- ☐ 1. Tropical Evergreen and Semi Evergreen forests
 - ☐ 2. Tropical Thorn forests
 - ☒ 3. Montane forests
 - ☐ 4. Littoral and Swamp forests

Q.18 The Visuddhimagga, a key Buddhist text, was written by which of the following scholars?

- Ans
- ☐ 1. Nagarjuna
 - ☐ 2. Aryadeva
 - ☒ 3. Buddhaghosa
 - ☐ 4. Vasubandhu

Q.19 Who among the following presented the First Five-Year Plan on July 9, 1951?

- Ans
- ☐ 1. Sardar Vallabhbhai Patel
 - ☐ 2. Rajendra Prasad
 - ☒ 3. Jawaharlal Nehru
 - ☐ 4. Purushottam Das Tandon

Q.20 Which of the following is the first of eight Anti-Submarine Warfare Shallow Water Crafts (ASW SWCs) delivered to the Indian Navy on 8 May 2025?

- Ans
- ☒ 1. Arnala
 - ☐ 2. Kamorta
 - ☐ 3. Kadmatt
 - ☐ 4. Kiltan

Q.21 After amalgamation of 26 Regional Rural Banks (RRBs) in fourth phase of amalgamation, as notified by Department of Financial Services (DFS) in 2025, how many RRBs will be left in the country?

- Ans
- ☐ 1. 25
 - ☒ 2. 28
 - ☐ 3. 18
 - ☐ 4. 21

Q.22 In April 2025, a tri-services all women circumnavigation sailing expedition, 'Samudra Pradakshina' flagged off from:

- Ans
- ☐

1. Durgapur
- ☐

2. Madurai
- ☐

3. Trivandrum
- ☒

4. Mumbai

Q.23 The Kailasa Temple at Ellora is an example of which of the following types of architecture?

- Ans
- ☐

1. Wooden architecture
- ☒

2. Rock-cut architecture
- ☐

3. Islamic architecture
- ☐

4. Colonial architecture

Q.24 In which of the following years did the Government of Bengal pass the Calcutta Electric Lighting Act?

- Ans
- ☒

1. 1895
- ☐

2. 1900
- ☐

3. 1911
- ☐

4. 1904

Q.25 During May 2025, the 4th Europe-Africa Forum was organised in which location?

- Ans
- ☐

1. Nice
- ☒

2. Marseille
- ☐

3. Lyon
- ☐

4. Paris

Q.26 e-NAM is a key reform aimed at integrating agricultural markets in India. What is the primary goal of the e-NAM initiative?

- Ans
- ☐

1. Crop insurance
- ☐

2. Minimum wage guarantee
- ☒

3. Online trading of agricultural produce
- ☐

4. Fertiliser subsidy

Q.27 The RTI Act empowers citizens of India to seek information from which of the following?

- Ans
- ☐

1. Private companies
- ☐

2. Foreign embassies
- ☐

3. Non-governmental organisations
- ☒

4. Government departments

Q.28 Which programme was launched in 1953 to expand rural development more feasibly?

- Ans
- ☒

1. National Extension Service (NES)
- ☐

2. Bharat Nirman Yojana
- ☐

3. Jawahar Rojgar Yojana
- ☐

4. Training for Rural Youth for Self-Employment

Q.29 Which acid was first created from inorganic materials by Hermann Kolbe in 1845?

- Ans
- ☐

1. Sulphuric acid
- ☐

2. Formic Acid
- ☐

3. Citric Acid
- ☒

4. Acetic Acid

Q.30 Western disturbances mainly affect the weather of which region in India?

- Ans
- ✓ 1. North-West India
 - ✗ 2. Coastal Andhra Pradesh
 - ✗ 3. Eastern Ghats
 - ✗ 4. Deccan Plateau

Q.31 Which of the following transportation systems was primarily developed in India to serve colonial economic interests?

- Ans
- ✗ 1. Inland waterways
 - ✗ 2. Metro rail
 - ✓ 3. Railways
 - ✗ 4. Airways

Q.32 During the Indus Valley Civilisation, the presence of jewellery made from precious metals and semi-precious stones in small-town settings supports the argument that _____.

- Ans
- ✗ 1. the civilisation was ruled by autocratic priest-kings
 - ✗ 2. there was an equal access to material goods
 - ✓ 3. there was strong social stratification
 - ✗ 4. only the elite had access to luxury items.

Q.33 In 2025, ISRO sprouted which of the following seeds in space under microgravity conditions?

- Ans
- ✗ 1. Soya bean seeds
 - ✗ 2. Chickpea seed
 - ✓ 3. Cowpea seeds
 - ✗ 4. Kidney bean seeds

Q.34 Which of the following groups of people is said to have migrated into the late Indus Valley era India from Central Asia?

- Ans
- ✗ 1. Dravidas
 - ✗ 2. Mesopotamians
 - ✓ 3. Aryans
 - ✗ 4. Shakas

Q.35 What is the name of the indigenous electric trainer aircraft initiative launched by India in March 2025 to promote green aviation?

- Ans
- ✗ 1. Green Hawk
 - ✓ 2. E-HANSA
 - ✗ 3. Vayu
 - ✗ 4. Shakti

Q.36 When was the historic Paris Agreement on climate change adopted by world leaders during the UN Climate Change Conference (COP21)?

- Ans
- ✗ 1. 1999
 - ✗ 2. 2005
 - ✗ 3. 2012
 - ✓ 4. 2015

Q.37 Which of the following joint military exercises is conducted annually between the armies of India and Japan, with the sixth edition held near Mount Fuji in 2025?

- Ans
- ☐ 1. Maitree
 - ☐ 2. Shakti
 - ☐ 3. Indra
 - ☒ 4. Dharma Guardian

Q.38 Christian Stalker is the Federal Chancellor of which country?

- Ans
- ☒ 1. Austria
 - ☐ 2. Finland
 - ☐ 3. Sweden
 - ☐ 4. Norway

Q.39 The Right to Protection in respect of conviction for offences (including protection from double jeopardy and self-incrimination) is covered under:

- Ans
- ☐ 1. Article 22
 - ☒ 2. Article 20
 - ☐ 3. Article 23
 - ☐ 4. Article 21

Q.40 Which type of weathering is primarily involved in the enrichment of bauxite and other ores?

- Ans
- ☐ 1. Mechanical weathering
 - ☐ 2. Glacial weathering
 - ☐ 3. Biological weathering
 - ☒ 4. Chemical weathering

Section : Mathematics

Q.1 The average runs scored by a batsman in 23 matches is 43. In the next 10 matches, the batsman scored an average of 16 runs. Find his average runs scored (rounded off to two decimal places) in all the 33 matches.

- Ans
- ☐ 1. 33.82
 - ☒ 2. 34.82
 - ☐ 3. 35.82
 - ☐ 4. 36.82

Q.2 The value of $\sqrt{196} + \sqrt{0.0361} - \sqrt{7.29}$ is ____.

- Ans
- ☒ 1. 11.49
 - ☐ 2. 9.66
 - ☐ 3. 16.65
 - ☐ 4. 16.25

Q.3 Five solid cubes, each of volume 39304 cm^3 , are joined end to end to form a cuboid. What is the lateral surface area (in cm^2) of the cuboid?

- Ans
- ☒ 1. 13872
 - ☐ 2. 13838
 - ☐ 3. 13905
 - ☐ 4. 13877

Q.4 Pipe A can fill a tank in 18 hours, pipe B can fill the same tank in 28 hours and pipe C can fill the same tank in 11 hours. The time taken by them to fill the same tank if they operate together is::

Ans

✗ 1. $10\frac{247}{505}$ hours

✗ 2. $7\frac{247}{505}$ hours

✗ 3. $11\frac{247}{505}$ hours

✓ 4. $5\frac{247}{505}$ hours

Q.5 If $P = \tan\theta + \sec\theta$, then the value of $\tan\theta$ is:

Ans

✗ 1. $\frac{P^2 + 1}{P}$

✗ 2. $\frac{P^2 - 1}{P + 1}$

✗ 3. $\frac{P^2 + 1}{2P}$

✓ 4. $\frac{P^2 - 1}{2P}$

Q.6 Train A leaves station M at 6:25 AM and reaches station N at 3:25 PM on the same day. Train B leaves station N at 8:25 AM and reaches station M at 2:25 PM on the same day. Find the time when trains A and B meet.

Ans

✗ 1. 11:43 AM

✗ 2. 10:53 AM

✗ 3. 12:13 PM

✓ 4. 11:13 AM

Q.7 The marks scored by 10 students are given below.
17, 19, 12, 20, 19, 14, 15, 18, 19, 14
The mode of the given data is:

Ans

✗ 1. 20

✗ 2. 12

✗ 3. 17

✓ 4. 19

Q.8 If the sum of the interior angles of a regular polygon is equal to four times the sum of its exterior angles, then what is the number of diagonals in the polygon?

Ans

✗ 1. 30

✓ 2. 35

✗ 3. 25

✗ 4. 40

Q.9 Simplify: $x(2x - 3) + 2(x^2 - 4) + 16$

Ans

✓ 1. $4x^2 - 3x + 8$

✗ 2. $-4x^2 - 3x + 8$

✗ 3. $4x^2 - 3x - 8$

✗ 4. $-4x^2 - 3x - 8$

Q.10 A dealer offers successive discounts of 15% and 12% on a refrigerator marked at ₹25,000. What is the final selling price?

- Ans
- ☐ 1. ₹18,900
 - ☒ 2. ₹18,700
 - ☐ 3. ₹19,000
 - ☐ 4. ₹18,800

Q.11 I bought two pendants for ₹1,200. I sold the first one at a loss of 10% and the second at a gain of 14%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first pendant.

- Ans
- ☐ 1. 724
 - ☐ 2. 684
 - ☐ 3. 720
 - ☒ 4. 700

Q.12 Two pipes can fill a cistern, individually, in 36 min and 45 min, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 70 min. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

- Ans
- ☐ 1. 20 min
 - ☒ 2. 28 min
 - ☐ 3. 8 min
 - ☐ 4. 44 min

Q.13 The marked price of a shirt is ₹500. If the shopkeeper offers a 20% discount, what is the selling price of the shirt?

- Ans
- ☐ 1. ₹480
 - ☒ 2. ₹400
 - ☐ 3. ₹450
 - ☐ 4. ₹420

Q.14 Ishaan and Meghna have to travel from Delhi to Kanpur in their respective cars. Ishaan is driving at 90 km/hr while Meghna is driving at 65 km/hr. Find the time taken by Meghna to reach Kanpur if Ishaan takes 13 hours.

- Ans
- ☐ 1. 21 hours
 - ☐ 2. 27 hours
 - ☐ 3. 23 hours
 - ☒ 4. 18 hours

Q.15 The value of $\frac{4}{3} + \left(\frac{1}{1 + \frac{5}{6}} \right) - \frac{5}{4}$ is

- Ans
- ☒ 1. $\frac{83}{132}$
 - ☐ 2. $\frac{93}{125}$
 - ☐ 3. $\frac{89}{126}$
 - ☐ 4. $\frac{85}{134}$

Q.16 A number, when increased by 70%, gives 3400. The number is:

- Ans
- ☒

1. 6000
- ☒

2. 4000
- ☒

3. 2000
- ☒

4. 1000

Q.17 If the third proportional of 8 and 20 be x, then what is the value of x?

- Ans
- ☒

1. 48
- ☒

2. 52
- ☒

3. 50
- ☒

4. 47

Q.18 Ritu, Sameer, and Isha invest ₹1,190, ₹1,060, and ₹1,350, respectively, to start a business. If the profit at the end of the year is ₹1,640, then what is the share of Isha in the profit?

- Ans
- ☒

1. ₹613
- ☒

2. ₹614
- ☒

3. ₹617
- ☒

4. ₹615

Q.19 The HCF and the LCM of two numbers are 17 and 1224, respectively. If one of the numbers is 136, find the other one.

- Ans
- ☒

1. 85
- ☒

2. 102
- ☒

3. 153
- ☒

4. 119

Q.20 Find the simple interest (in ₹) on ₹4,000 at 7.5% per annum rate of interest deposited on 4 February 2024 and withdrawn on 5 April 2024.

- Ans
- ☒

1. 50
- ☒

2. 49
- ☒

3. 48
- ☒

4. 51

Q.21 If 3 times a mother's present age is 24 years more than 9 times her daughter's present age, and 4 times the daughter's present age is 2 years less than the mother's present age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans
- ☒

1. 20
- ☒

2. 22
- ☒

3. 17
- ☒

4. 15

Q.22 The LCM of the numbers 5.3 and 0.4 is:

- Ans
- ☒

1. 0.212
- ☒

2. 212
- ☒

3. 21.2
- ☒

4. 2.12

Q.23 The number 563607 is divisible by which of the following?

- Ans
- ☐ 1. 8
 - ☒ 2. 3
 - ☐ 3. 13
 - ☐ 4. 10

Q.24 In an election between two candidates, 80% of the registered voters cast their vote and 19% of the votes polled were found invalid. The winning candidate got 70% of the valid votes and won the election by a margin of 1458 votes. How many voters were registered?

- Ans
- ☒ 1. 5625
 - ☐ 2. 5622
 - ☐ 3. 5627
 - ☐ 4. 5623

Q.25 Find the value of $95^{-17} \div 95^9 \times 95^{-15}$.

- Ans
- ☐ 1. 95^{-49}
 - ☒ 2. 95^{-41}
 - ☐ 3. 95^{-35}
 - ☐ 4. 95^{-42}

Q.26 The cost of 2 pens and 15 pencils is ₹286. If the cost of a pen decreases by ₹4 and the cost of a pencil increases by ₹2, then the cost of 17 pens and 3 pencils is ₹128. What is the original cost of 11 pens and 8 pencils?

- Ans
- ☐ 1. ₹229
 - ☐ 2. ₹228
 - ☒ 3. ₹232
 - ☐ 4. ₹235

Q.27 Salman and Vivek together invested ₹33,900 in a business. At the end of the year, out of a total profit of ₹10,000, Vivek's share was ₹3,700. What was the difference between their investments?

- Ans
- ☒ 1. ₹8,814
 - ☐ 2. ₹9,547
 - ☐ 3. ₹8,840
 - ☐ 4. ₹9,551

Q.28 Sapna invested ₹20,300 on simple interest, partly at the rate of 8% per annum and partly at the rate of 6% per annum. If she earns equal interests from the two investments after 6 years, then find the sum invested at the rate of 8% per annum (in ₹).

- Ans
- ☐ 1. 8,699
 - ☐ 2. 8,697
 - ☐ 3. 8,702
 - ☒ 4. 8,700

Q.29 The selling price of 10 books is equal to the cost price of 16 books. Find the loss or gain percentage on these books.

- Ans
- ☐ 1. 60% loss
 - ☐ 2. $\frac{100}{6}\%$ loss
 - ☒ 3. 60% gain
 - ☐ 4. $\frac{100}{6}\%$ gain

Q.30 What is the surface area of a sphere of radius 8 cm? (use $\pi = 3.14$)

- Ans
- ☐ 1. 800.08 cm²
 - ☐ 2. 801.18 cm²
 - ☐ 3. 805.54 cm²
 - ☒ 4. 803.84 cm²

Section : General Intelligence and Reasoning

Q.1 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(45, 80, 5)
(39, 30, 24)

- Ans
- ☒ 1. (45, 72, 9)
 - ☐ 2. (15, 10, 11)
 - ☐ 3. (27, 6, 25)
 - ☐ 4. (15, 0, 16)

Q.2 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. GJP
 - ☐ 2. KNT
 - ☒ 3. QIA
 - ☐ 4. ORX

Q.3 All 79 students in a class are standing in a row facing north. Shantanu is 37th from the right end while Vani is 23rd from the left end. How many people stand between Shantanu and Vani?

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

Q.4 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only four boxes are kept between F and A. Only B is kept above F. Only two boxes are kept between G and E. D is kept immediately above C. E is not kept immediately above D. How many boxes are kept between E and F?

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

Q.5 IGBF is related to OMHL in a certain way based on the English alphabetical order. In the same way, KIDH is related to QOJN. To which of the given options is MKFJ related, following the same logic?

- Ans
- ☒ 1. SQLP
 - ☐ 2. QSLP
 - ☐ 3. QSPL
 - ☐ 4. SQPL

Q.6 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Note: All numbers are single digit numbers only.)

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

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

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

Q.7 In a certain code language, 'life is mysterious' is coded as 'qr gt ob' and 'give his life' is coded as 'ob ft rd'. How is 'life' coded in the given language?

- Ans
- ☒ 1. ft
 - ☒ 2. rd
 - ☒ 3. qr
 - ☒ 4. ob

Q.8 In a certain code language, 'PEST' is coded as '4597' and 'HEPS' is coded as '7654'. What is the code for 'H' in the given code language?

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

Q.9 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BGS 153, XLO 142, TQK 131, PVG 120, LAC 109, ?

- Ans
- ☒ 1. FHA 98
 - ☒ 2. GDZ 101
 - ☒ 3. IDX 101
 - ☒ 4. HFY 98

Q.10 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statement(s).

Statements:
All Wolves are Rhinoceroses.
No Rhinoceroses are Kangaroos.

Conclusions:
I: No Kangaroos are Wolves.
II: Some Kangaroos are Wolves.

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

Q.11	<p>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?</p> <p>(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)</p>
Ans	<div> <div>✗</div> <div>1. MOK</div> </div> <div> <div>✗</div> <div>2. OQM</div> </div> <div> <div>✓</div> <div>3. OSP</div> </div> <div> <div>✗</div> <div>4. DFB</div> </div>
Q.12	<p>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?</p>
Ans	<div> <div>✓</div> <div>1. Four</div> </div> <div> <div>✗</div> <div>2. Two</div> </div> <div> <div>✗</div> <div>3. Three</div> </div> <div> <div>✗</div> <div>4. One</div> </div>
Q.13	<p>What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?</p> <p>25 – 9 × 3 + 4 ÷ 2 = ?</p>
Ans	<div> <div>✓</div> <div>1. 20</div> </div> <div> <div>✗</div> <div>2. 17</div> </div> <div> <div>✗</div> <div>3. 19</div> </div> <div> <div>✗</div> <div>4. 18</div> </div>
Q.14	<p>What should come in place of the question mark (?) in the given series?</p> <p>991 990 992 991 993 992 994 ?</p>
Ans	<div> <div>✓</div> <div>1. 993</div> </div> <div> <div>✗</div> <div>2. 996</div> </div> <div> <div>✗</div> <div>3. 995</div> </div> <div> <div>✗</div> <div>4. 992</div> </div>
Q.15	<p>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.</p> <p>Statements: All doors are carpets. No carpet is a mat.</p> <p>Conclusions: (I) No door is a mat. (II) No mat is a carpet.</p>
Ans	<div> <div>✗</div> <div>1. Only conclusion (II) follows.</div> </div> <div> <div>✗</div> <div>2. Only conclusion (I) follows.</div> </div> <div> <div>✗</div> <div>3. Neither conclusion (I) nor (II) follows.</div> </div> <div> <div>✓</div> <div>4. Both conclusions (I) and (II) follow.</div> </div>
Q.16	<p>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?</p>
Ans	<div> <div>✗</div> <div>1. Mother's mother's sister</div> </div> <div> <div>✗</div> <div>2. Mother's sister's daughter</div> </div> <div> <div>✓</div> <div>3. Mother's mother's brother</div> </div> <div> <div>✗</div> <div>4. Mother's sister's son</div> </div>

Q.17 Vignesh starts from Point Y and drives 17 km towards south. He then takes a left turn, drives 25 km. He then turns right and drives 9 km. He takes a final right turn, drives 25 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans
- ☒ 1. 26 km towards east
 - ☒ 2. 26 km towards north
 - ☒ 3. 19 km towards south
 - ☒ 4. 13 km towards west

Q.18 What will come in place of the question mark (?) in the following equation, if ‘+’ and ‘-’ are interchanged and ‘x’ and ‘÷’ are interchanged?

12 ÷ 6 + 28 × 4 - 11 = ?

- Ans
- ☒ 1. 72
 - ☒ 2. 76
 - ☒ 3. 74
 - ☒ 4. 78

Q.19 L, M, N, O, Q, R and S are sitting around a circular table, facing the centre of the table. Only two people sit between O and R when counted from the right of O. Only two people sit between R and M. Only three people sit between O and N. L sits to the immediate left of Q. Who sits third to the left of S?

- Ans
- ☒ 1. Q
 - ☒ 2. R
 - ☒ 3. L
 - ☒ 4. N

Q.20 Each of the digits in the number 5936814 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and fourth from the right in the new number thus formed?

- Ans
- ☒ 1. 13
 - ☒ 2. 9
 - ☒ 3. 11
 - ☒ 4. 8

Q.21 Nilesh starts from Point Y and drives 17 km towards the north. He then takes a left turn and drives 31 km, then turns left and drives 45 km. He then takes a right turn and drives 23 km. He takes a right turn, drives 28 km and stops at Point Z. How far (shortest distance) and in which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans
- ☒ 1. 61 km towards the west
 - ☒ 2. 58 km towards the west
 - ☒ 3. 54 km towards the east
 - ☒ 4. 49 km towards the east

Q.22 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
DKC ZGY ? RYQ NUM

- Ans
- ☒ 1. UDU
 - ☒ 2. VCV
 - ☒ 3. VCU
 - ☒ 4. VDU

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

112 101 90 79 68 ?

- Ans
- ☒ 1. 56
 - ☒ 2. 54
 - ☒ 3. 55
 - ☒ 4. 57

Q.24 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. MC - PY
 - ☒ 2. YV - CR
 - ☒ 3. PF - SB
 - ☒ 4. JB - MX

Q.25 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 9524367, then how many digits will appear more than once in the new number thus formed?

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

Q.26 Seven people, A, B, C, D, P, Q and R, are sitting in a row, facing north. Only two people sit to the left of B. Only three people sit between B and Q. Only one person sits between Q and P. D sits to the immediate left of C. R is not an immediate neighbour of Q. How many people sit to the right of A?

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

Q.27 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

RUST - URST - RSTU
KITE - IKTE - KTEI

- Ans
- ☒ 1. MINK - IMNK - KINM
 - ☒ 2. MANY - AMNY - MNYA
 - ☒ 3. SPOT - PSOT - POTS
 - ☒ 4. VEIN - VIEN - NIEV

Q.28 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.
SDF : RCE
MVZ : LUY

- Ans
- ☒ 1. BGJ : AFI
 - ☒ 2. RTY : SZU
 - ☒ 3. ADH : BFJ
 - ☒ 4. CNR : DOS

Q.29 This question is based on the five, three-digit numbers given below.

(Left) 538 745 317 853 276 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans
- ☒ 1. 9
 - ☒ 2. 8
 - ☒ 3. 11
 - ☒ 4. 10

Q.30 What should come in place of the question mark (?) in the given series?

4 8 24 96 ? 2880

- Ans
- ☒ 1. 240
 - ☒ 2. 410
 - ☒ 3. 480
 - ☒ 4. 320

