Test Date	02/09/2025
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC Under Graduate CBT I

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

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

Section : **General Awareness**

Q.1 Which State launched India' first PPP green waste processing plant?
Ans ✖ 1. Chhattisgarh

✔ 2. Madhya Pradesh

✖ 3. Kerala

✖ 4. Telangana

Q.2 This freedom fighter proclaimed himself the Peshwa during the Revolt of 1857 and gathered armed forces and expelled the British garrison from the city. He was the adopted son of the late Peshwa Baji Rao. The leader in question is:
Ans ✖ 1. Kunwar Singh

✖ 2. Mangal Pandey

✖ 3. Tantia Tope

✔ 4. Nana Saheb

Q.3 What is the actual mainland distance of India from east to west?
Ans ✔ 1. 2933 km

✖ 2. 3143 km

✖ 3. 3214 km

✖ 4. 3014 km

Q.4 On which day in 2025 did India and Pakistan agree to a US-brokered ceasefire with immediate effect?
Ans ✔ 1. 10 May

✖ 2. 9 May

✖ 3. 8 May

✖ 4. 11 May

Q.5 Which of the following devices performs optical character recognition (OCR)?
Ans ✖ 1. OMR Scanner

✖ 2. Flatbed Scanner

✔ 3. Barcode Reader

✖ 4. OCR Scanner

Q.6 Which Article deals with the constitution of Municipalities?

Ans ✔ 1. Article 243Q

✘ 2. Article 243W

✘ 3. Article 243Z

✘ 4. Article 243P

Q.7 The Mahatma Gandhi National Rural Employment Guarantee Act, 2005 (MGNREGA) provides a legal guarantee for how many days of employment per year to every rural household in India?

Ans ✔ 1. 100 days

✘ 2. 159 days

✘ 3. 180 days

✘ 4. 135 days

Q.8 Which Constitutional Amendment Act added the Ninth Schedule to the Constitution of India?

Ans ✔ 1. First Amendment Act, 1951

✘ 2. Seventeenth Amendment Act, 1964

✘ 3. Twenty-ninth Amendment Act, 1972

✘ 4. Fourth Amendment Act, 1955

Q.9 In May 2025, which Indian company emerged as the lowest bidder for the Indian Navy's Next Generation Corvettes (NGC) project, valued at over ₹25,000 crore?

Ans ✘ 1. Hindustan Shipyard Limited

✘ 2. Cochin Shipyard Limited

✔ 3. Garden Reach Shipbuilders & Engineers

✘ 4. Mazagon Dock Shipbuilders Limited

Q.10 What is the function of a diathermic wall in a thermodynamic system?

Ans ✘ 1. It allows the flow of only work.

✘ 2. It prevents the exchange of both matter and energy.

✘ 3. It allows the exchange of matter only.

✔ 4. It allows the flow of heat between systems.

Q.11 To be eligible for membership of a State Legislature, a candidate must meet which of the following qualifications as laid down in the Representation of the People Act, 1951?

Ans ✔ 1. Be an elector (voter) in any State assembly constituency

✘ 2. Pay income tax in the State

✘ 3. Have at least a graduate degree

✘ 4. Be a permanent resident of the State for 15 years

Q.12 Who received the Best Actress award at the 25th IIFA Awards in 2025?

Ans ✔ 1. Nitanshi Goel

✘ 2. Neha Dixit

✘ 3. Manisha Kulsherstha

✘ 4. Subhashree Ganguly

Q.13 Which of the following, set up in June 1986, is responsible for the management of civil aerodromes and civil enclaves as well as for maintenance and operation of aeronautical communication systems at all the airports?

Ans
- ❌ 1. Delhi International Airport Limited
- ❌ 2. Airports Authority of India
- ❌ 3. Airports Council International
- ✅ 4. National Airports Authority

Q.14 Abu'l Fazl was the court historian of which of the following rulers?

Ans
- ✅ 1. Akbar
- ❌ 2. Babar
- ❌ 3. Alauddin Khilji
- ❌ 4. Aurangzeb

Q.15 Kathak is a classical dance form from which of the following regions of India?

Ans
- ❌ 1. Western India
- ❌ 2. South India
- ✅ 3. North India
- ❌ 4. Eastern India

Q.16 The increase in Earth's average temperature due to trapped gases is called:

Ans
- ✅ 1. Greenhouse effect
- ❌ 2. Ocean acidification
- ❌ 3. Ozone depletion
- ❌ 4. Climate Change

Q.17 In which of the following budget sessions was the Mission Antyodaya, a convergence and accountability framework aiming to bring optimum use and management of resources, adopted?

Ans
- ❌ 1. Union Budget 2018-19
- ❌ 2. Union Budget 2016-17
- ✅ 3. Union Budget 2017-18
- ❌ 4. Union Budget 2015-16

Q.18 Which of the following organisations released the World Social Protection Report (WSPR) 2024-2025?

Ans
- ❌ 1. United Nation Security Council
- ❌ 2. World Health Organization
- ❌ 3. International Monetary Fund
- ✅ 4. International Labour Organization

Q.19 Lahaulas and Pangwala are major tribes found in which Indian state?

Ans
- ✅ 1. Himachal Pradesh
- ❌ 2. Goa
- ❌ 3. Jharkhand
- ❌ 4. Assam

Q.20 Which law allowed inter-caste and inter-religious marriages during the British period in India?

Ans
- ❌ 1. Widow Remarriage Act
- ✅ 2. Act of 1872
- ❌ 3. Sarda Act
- ❌ 4. Act of Settlement

Q.21 Which Indian startup successfully tested the country's first electric motor-driven semi-cryogenic rocket engine in May 2025?

Ans ✗ 1. Skyroot Aerospace

✗ 2. Bellatrix Aerospace

✗ 3. Pixxel

✓ 4. Agnikul Cosmos

Q.22 In April 2025, India signed a $7.4 billion deal to purchase 26 Rafale fighter jets with which of the following countries?

Ans ✗ 1. Russia

✗ 2. United States

✓ 3. France

✗ 4. Israel

Q.23 The commercialisation of agriculture under the British transformed the rural economy. What did 'commercialisation of agriculture' in British India lead to?

Ans ✗ 1. Elimination of rural debt

✗ 2. Growth of self-sufficient villages

✗ 3. Rise in food grain production

✓ 4. Increased production of cash crops

Q.24 Industrially, which acid is mainly produced by the carbonylation of methanol using carbon monoxide?

Ans ✗ 1. Nitric acid

✗ 2. Citric acid

✓ 3. Acetic acid

✗ 4. Hydrochloric acid

Q.25 What is the function of the Taskbar in the Windows operating system?

Ans ✓ 1. Displays currently running applications and allows switching between them

✗ 2. Stores deleted files temporarily

✗ 3. Opens the file manager window

✗ 4. Shuts down the computer immediately

Q.26 What was the main source of revenue for the Pallava empire, used for maintaining their army and administrative expenses?

Ans ✗ 1. Trade tax

✗ 2. Toll tax

✗ 3. Salt tax

✓ 4. Land tax

Q.27 Which of the following Articles of the Indian Constitution empowers Parliament to make laws relating to the acquisition and termination of the Indian Citizenship?

Ans ✗ 1. Article 12

✗ 2. Article 10

✗ 3. Article 7

✓ 4. Article 11

Q.28 Where was the 29th World Gas Conference (WGC), known as the 'Olympics' of the global gas industry, held for the first time in its nearly 100-year history in May 2025?

Ans
- ✔ 1. Beijing, China
- ✘ 2. Dubai, UAE
- ✘ 3. Tokyo, Japan
- ✘ 4. Paris, France

Q.29 Which of the following developments followed the MoU signed between GRSE and Norway's Kongsberg at Nor-Shipping 2025?

Ans
- ✘ 1. India will jointly operate a Polar Research Vessel with Norway.
- ✘ 2. India will purchase its first Polar Research Vessel from Norway.
- ✘ 3. India will fund Norway's Polar Research under a new agreement.
- ✔ 4. India will begin building its first indigenously made Polar Vessel.

Q.30 Who took charge as the Controller General of Defence Accounts (CGDA) on 1 March 2025?

Ans
- ✔ 1. Dr. Mayank Sharma
- ✘ 2. Ajay Kumar
- ✘ 3. Shailendra Nath Gupta
- ✘ 4. Alok Joshi

Q.31 In the case of Vihaan Kumar vs. State of Haryana, what constitutional violation led the Supreme Court to declare the arrest illegal?

Ans
- ✘ 1. Violation of Article 21 (Right to Life and Personal Liberty)
- ✘ 2. Violation of Article 14 (Right to Equality)
- ✘ 3. Violation of Article 19(1)(a) (Freedom of Speech)
- ✔ 4. Violation of Article 22(1) (Failure to inform grounds of arrest)

Q.32 How does the growth of tertiary activities reflect economic development in India?

Ans
- ✘ 1. It highlights a fall in manufacturing employment.
- ✘ 2. It indicates a slowdown in overall income generation.
- ✘ 3. It shows a shift back to farm-based occupations.
- ✔ 4. It reflects improved services, urban growth and rising demand.

Q.33 Which international summit on artificial intelligence was held in Bengaluru in 2025, highlighting the importance of ethical and inclusive AI collaboration between India and France?

Ans
- ✘ 1. Indo-European AI Partnership Meet
- ✘ 2. Global AI Ethics Forum
- ✔ 3. La French Tech India AI Summit
- ✘ 4. India-US AI Conference

Q.34 Which thermodynamic quantity helps determine the spontaneity of a chemical reaction?

Ans
- ✘ 1. Enthalpy
- ✘ 2. Entropy
- ✔ 3. Gibbs free energy
- ✘ 4. Internal free energy

Q.35 Who is responsible for implementing the RTI Act in public departments?

Ans ✗ 1. Director General

✗ 2. District Magistrate

✗ 3. Central Vigilance Officer

✓ 4. Central Public Information Officer

Q.36 Which of the following names is associated with the Faraizi Movement?

Ans ✓ 1. Haji Shariatullah

✗ 2. Muhammad Barkathulla

✗ 3. Hakim Ajmal Khan

✗ 4. Nawab Salimullah

Q.37 The McMahon Line is the boundary between India and which country?

Ans ✗ 1. Pakistan

✗ 2. Myanmar

✗ 3. Afghanistan

✓ 4. China

Q.38 In May 2025, the Khelo India Multipurpose Hall in Arunachal Pradesh was officially opened in which district by Union Minister Dr. Mansukh Mandaviya?

Ans ✓ 1. Kamle

✗ 2. Lower Subansiri

✗ 3. West Kameng

✗ 4. Tawang

Q.39 What is the name given to a saucer-shaped intrusive igneous body that is concave to the sky?

Ans ✓ 1. Lapolith

✗ 2. Sill

✗ 3. Phacolith

✗ 4. Batholith

Q.40 How many medals were won by the Indian team in Archery World Cup Stage 2 at Shanghai, China in May 2025?

Ans ✗ 1. 5

✓ 2. 7

✗ 3. 6

✗ 4. 3

Section : Mathematics

Q.1 The value of $\dfrac{3}{4} + \left(\dfrac{1}{1 + \dfrac{5}{9}} \right) - \dfrac{2}{3}$ is

Ans ✓ 1. $\dfrac{61}{84}$

✗ 2. $\dfrac{60}{83}$

✗ 3. $\dfrac{57}{77}$

✗ 4. $\dfrac{63}{92}$

Q.2 A shopkeeper lists the price of a fan at 34% above its cost price and offers a 25% discount on its list price. If he earns a profit of ₹177, then what is the list price (in ₹) of the fan?

Ans
- ✗ 1. 47,209
- ✗ 2. 47,148
- ✓ 3. 47,436
- ✗ 4. 47,300

Q.3 Find the HCF of 120, 144 and 168.

Ans
- ✗ 1. 48
- ✗ 2. 12
- ✗ 3. 36
- ✓ 4. 24

Q.4 A number when increased by 100% gives 2750. The number is:

Ans
- ✗ 1. 687.5
- ✗ 2. 2750
- ✓ 3. 1375
- ✗ 4. 4125

Q.5 Eight times the present age of P exceeds the present age of Q by 46 years. After 10 years, three times Q's age will be 12 years less than eight times P's age at that time. What is the present age (in years) of Q?

Ans
- ✗ 1. 49
- ✗ 2. 37
- ✓ 3. 42
- ✗ 4. 43

Q.6 The number of prime numbers lying between 317 and 322, both included, is:

Ans
- ✗ 1. 4
- ✗ 2. 3
- ✗ 3. 2
- ✓ 4. 1

Q.7 Ashok bought some pencils at the rate of ₹180 a dozen. He sold them for ₹16 each. His profit percentage is _____%.

Ans
- ✓ 1. 6.67
- ✗ 2. 10.67
- ✗ 3. 8.67
- ✗ 4. 4.67

Q.8 Simplify the following.

$$1 \times (5 \times (3^2)) \div 17 + 44 - 78$$

Ans

✓ 1. $-\dfrac{533}{17}$

✗ 2. $-\dfrac{534}{17}$

✗ 3. $-\dfrac{535}{17}$

✗ 4. $-\dfrac{538}{17}$

Q.9 A shopkeeper marks a mobile phone for ₹15,000 but allows a discount of 10%. What amount does the customer actually pay?

Ans

✗ 1. ₹13,800

✓ 2. ₹13,500

✗ 3. ₹14,000

✗ 4. ₹14,500

Q.10 Pipe A can fill a tank in 12 hours, pipe B can fill the same tank in 25 hours and pipe C can fill the same tank in 10 hours. The time taken by them to fill the same tank if they operate together is::

Ans

✗ 1. $9\dfrac{32}{67} hours$

✗ 2. $12\dfrac{32}{67} hours$

✓ 3. $4\dfrac{32}{67} hours$

✗ 4. $13\dfrac{32}{67} hours$

Q.11 Find the value of x satisfying: $4(4x^2 - 5) - 4(4x^2 + 6x - 4) = 15$

Ans

✗ 1. $-\dfrac{11}{24}$

✗ 2. $-\dfrac{17}{24}$

✓ 3. $-\dfrac{19}{24}$

✗ 4. $-\dfrac{23}{24}$

Q.12 A man goes to Indore from Bhopal at a speed of 20 km/hr and returns to Bhopal at speed of 30 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

Ans
- ✔ 1. 24
- ✘ 2. 29
- ✘ 3. 20
- ✘ 4. 28

Q.13 A sum of money triples itself at a certain rate of compound interest in 15 years. In how many years will it amount to 81 times of itself?

Ans
- ✘ 1. 61 years
- ✔ 2. 60 years
- ✘ 3. 56 years
- ✘ 4. 51 years

Q.14 Evaluate: 16 + 12 ÷ 6 − 2 × 3

Ans
- ✔ 1. 12
- ✘ 2. 14
- ✘ 3. 15
- ✘ 4. 11

Q.15 The area of one side of a rectangular box is 45 cm^2, and the area of another adjacent side is 24 cm^2. If the area of the top surface (third side) is 30 cm², find the volume of the box.

Ans
- ✘ 1. 540 cm^3
- ✘ 2. 270 cm^3
- ✘ 3. 60 cm^3
- ✔ 4. 180 cm^3

Q.16 कोई व्यि ऋण चुकाने के लिए अपने मासिक वेतन के 20% के बराबर मासिक भुगतान करता है। वह शेष वेतन का 25% खर्च करता है और ₹780 बचाता है। उसका मासिक वेतन (₹ में) ज्ञात कीजिए।

Ans
- ✘ 1. 1,388
- ✔ 2. 1,300
- ✘ 3. 1,383
- ✘ 4. 1,366

Q.17 In covering a distance of 198 km, Amit takes 4 hours more than Vinay. If Amit doubles his speed, then he would take 5 hours less than Vinay. Amit's speed is:

Ans
- ✘ 1. 20 km/hr
- ✘ 2. 10 km/hr
- ✔ 3. 11 km/hr
- ✘ 4. 12 km/hr

Q.18 The marked price of an article is ₹2,500. A shopkeeper gives three successive discounts of 25%, 20% and K%, and sells the article at ₹1,380. Find the value of K.

Ans
- ✘ 1. 7
- ✘ 2. 7.6
- ✘ 3. 6.5
- ✔ 4. 8

Q.19 A kite is flying at the height of 353.55 m above the ground. It is attached to a string inclined at an angle of 45° to the horizontal. What is the approximate length of the string?

Ans   ✗ 1. 300 m

     ✗ 2. 250 m

     ✓ 3. 500 m

     ✗ 4. 375 m

Q.20 What is the median of the following data?

49, 96, 59, 54, 97, 30, 44, 46, 36, 55, 23

Ans   ✓ 1. 49

     ✗ 2. 49.5

     ✗ 3. 50

     ✗ 4. 48.5

Q.21 Pipe P can fill $\frac{2}{9}$ part of a tank in 28 hours, and pipe Q can fill $\frac{2}{7}$ part of the same tank in 12 hours. Both P and Q were kept open for 6 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours. Pipes P, Q and R together can fill the empty tank in:

Ans   ✗ 1. 117 hours

     ✗ 2. 137 hours

     ✓ 3. 126 hours

     ✗ 4. 145 hours

Q.22 The ratio of an interior angle to its corresponding exterior angle in a regular polygon is 3 : 2. Determine the number of sides of the polygon.

Ans   ✗ 1. 8

     ✗ 2. 7

     ✓ 3. 5

     ✗ 4. 6

Q.23 The HCF and the LCM of two numbers are 29 and 174, respectively. If one of the numbers is 58, find the other one.

Ans   ✗ 1. 116

     ✗ 2. 174

     ✗ 3. 145

     ✓ 4. 87

Q.24 ₹32,100 were divided among A, B and C, such that 2 times of A = 7 times of B = 4 times of C. Find the share of A.

Ans   ✓ 1. ₹17,976

     ✗ 2. ₹17,815

     ✗ 3. ₹18,091

     ✗ 4. ₹17,847

Q.25 The average of first 151 odd natural numbers, is:

Ans   ✓ 1. 151

     ✗ 2. 151.5

     ✗ 3. 152

     ✗ 4. 150.5

Q.26 Sapna invested ₹22,800 on simple interest, partly at 6% per annum and partly at 4% per annum. If she earns equal interests from the two investments after 8 years, then find the sum invested at 6% per annum (in ₹).

Ans ✗ 1. 9,123

✓ 2. 9,120

✗ 3. 9,117

✗ 4. 9,122

Q.27 P, Q and R invest sum in the ratio of 2 : 22 : 70, respectively. If they earned a total profit of ₹4,700 at the end of the year, then what is the difference between share of Q and R?

Ans ✗ 1. ₹2,447

✗ 2. ₹2,430

✗ 3. ₹2,306

✓ 4. ₹2,400

Q.28 Which of the following ratios is the greatest?

Ans ✗ 1. 30 : 53

✓ 2. 48 : 55

✗ 3. 22 : 51

✗ 4. 40 : 90

Q.29 Find the surface area of the cuboid with dimensions 3 cm, 5 cm and 8 cm.

Ans ✗ 1. 79 square cm.

✓ 2. 158 square cm.

✗ 3. 60 square cm.

✗ 4. 120 square cm.

Q.30 The product of two consecutive natural numbers is 90. The greater of the two numbers is:

Ans ✗ 1. 6

✓ 2. 10

✗ 3. 11

✗ 4. 21

Section : **General Intelligence and Reasoning**

Q.1 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

45, 165
24, 144

Ans ✗ 1. 42, 172

✗ 2. 18, 142

✓ 3. 38, 158

✗ 4. 21, 131

Q.2 SPLT is related to QNJR in a certain way based on the English alphabetical order. In the same way, OLHP is related to MJFN. To which of the given options is KHDL related, following the same logic?

Ans ✅ 1. IFBJ

❌ 2. IFJB

❌ 3. FIJB

❌ 4. FIBJ

Q.3 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged, and '−' and '×' are interchanged?

6 − 4 × 85 + 5 ÷ 22 = ?

Ans ✅ 1. 29

❌ 2. 22

❌ 3. 42

❌ 4. 36

Q.4 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LIG 1, NKI 4, ?, ROM 16, TQO 25

Ans ✅ 1. PMK 9

❌ 2. QNL 9

❌ 3. PNL 9

❌ 4. QNK 12

Q.5 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
ZMB JXN TIZ DTL ?

Ans ❌ 1. NEY

❌ 2. NXE

✅ 3. NEX

❌ 4. NYE

Q.6 S, Y का पिता है I Y, R का भाई है I R, U की पत्नी है I U, P का पुत्र है I S का P से क्या संबंध है?

Ans ✅ 1. पुत्र की पत्नी के पिता

❌ 2. पुत्र की पत्नी की बहन

❌ 3. पुत्र की पत्नी का भाई

❌ 4. पुत्र की पत्नी की माता

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

9 15 47 91 275 ?

Ans ✅ 1. 547

❌ 2. 574

❌ 3. 505

❌ 4. 550

Q.8 Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which pair DOES NOT belong to that group? (NOTE: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans ✅ 1. RM-VP

❌ 2. AV-DY

❌ 3. GB-JE

❌ 4. OJ-RM

Q.9 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ 1. SOJD
- ✗ 2. GCXR
- ✗ 3. AWRL
- ✓ 4. QNHB

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

(Left) 7 # * © & 8 4 & 6 1 5 9 € 8 $ * 6 6 8 5 7 7 (Right)

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

Ans
- ✗ 1. Zero
- ✗ 2. One
- ✗ 3. Two
- ✓ 4. Three

Q.11 Town A is to the west of Town B. Town C is to the south of Town A. Town D is to the east of Town C. Town E is to the west of Town A. What is the position of Town E with respect to Town C?

Ans
- ✗ 1. Northeast
- ✓ 2. Northwest
- ✗ 3. East
- ✗ 4. South

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

Statements: Some walls are roofs. No roof is a floor.

Conclusions (I): No roof is a wall.
Conclusions (II): Some floors are roofs.

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

Q.13 All 43 people are standing in a row, facing North. Kishor is 24th from the left-end while Monu is 12th from the right-end. How many people are there between Kishor and Monu?

Ans
- ✗ 1. 8
- ✗ 2. 6
- ✓ 3. 7
- ✗ 4. 5

Q.14 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans
- ✗ 1. LP-KN
- ✗ 2. EI-DG
- ✗ 3. HL-GJ
- ✓ 4. BF-AC

Q.15 In a certain code language, 'YARN' is coded as '25#@' and 'ARTY' is coded as '#$52'.
What is the code for 'T' in the given code language?

Ans   ✗ 1. 2

    ✓ 2. $

    ✗ 3. #

    ✗ 4. 5

Q.16 Select the number from among the given options that can replace the question mark (?)
in the following series.
32 40 50 62 76 ?

Ans   ✗ 1. 86

    ✗ 2. 98

    ✗ 3. 95

    ✓ 4. 92

Q.17 Each of the digits in the number 2786431 is arranged in the ascending order from left to
right. The position(s) of how many digits will remain unchanged as compared to that in
the original number?

Ans   ✗ 1. Two

    ✗ 2. One

    ✓ 3. None

    ✗ 4. Three

Q.18 Paula starts from Point A and drives 5 km towards South. He then takes a right turn,
drives 9 km, turns right and drives 13 km. He then takes a right turn and drives 11 km.
He takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance)
and towards which direction should he drive in order to reach Point A again? (All turns
are 90° turns only unless specified.)

Ans   ✓ 1. 2 km to the West

    ✗ 2. 5 km to the West

    ✗ 3. 6 km to the North

    ✗ 4. 4 km to the East

Q.19 Seven people, I, J, K, L, P, Q and R are sitting in a row, facing north. Only two people sit
between J and I. Only P sits to the right of K. Only one person sits between I and K. Q
sits at some place to the right of L but at some place to the left of R.
How many people sit between R and L?

Ans   ✗ 1. Three

    ✗ 2. One

    ✗ 3. Four

    ✓ 4. Two

Q.20 In the following triads, each group of letters is related to the subsequent one following a
certain logic. Select from the given options, the one which follows the same logic.

SACK - CSAK - KCAS
LEAP - ALEP - PAEL

Ans   ✗ 1. PLAY - APLY - LAYP

    ✗ 2. EMIT - MEIT - TMIE

    ✓ 3. GOLD - LGOD - DLOG

    ✗ 4. TEMP - TMEP - PMET

Q.21 Seven people A, B, C, D, E, F and G are sitting in a row, facing the north. F sits sixth from the right end of the row. Only two people sit between E and F. A sits to the right of E but left of G. D sits third to the left of C. How many people sit to the right of B?

Ans
  ✗ 1. Three

  ✓ 2. Four

  ✗ 3. Two

  ✗ 4. Five

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

SAVE - EASV - AVSE
CROW - WRCO - ROCW

Ans
  ✗ 1. GROW - GORW - WORG

  ✗ 2. TERM - METR - RETM

  ✗ 3. DEWS - EDWS - SEWD

  ✓ 4. JUST - TUJS - USJT

Q.23 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order.
Only two boxes are kept between C and E. Only A is kept above B. No box is kept below E. F is kept at some place below D but at some place above G.
How many boxes are kept between A and G?

Ans
  ✓ 1. 4

  ✗ 2. 3

  ✗ 3. 1

  ✗ 4. 2

Q.24 In a certain code language, 'MEAT' is coded as '4257' and 'TURN' is coded as '1365'.
What is the code for 'T' in the given code language?

Ans
  ✗ 1. 6

  ✓ 2. 5

  ✗ 3. 7

  ✗ 4. 1

Q.25 This question is based on five, four-digit numbers given below.

(Left) 4138 2345 6367 5353 1276 (Right)

(Example: 6975 – First digit = 6, second digit = 9, third digit = 7 and fourth digit = 5)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the first digit of the largest number is multiplied to the second digit of the smallest number?

Ans
  ✓ 1. 12

  ✗ 2. 17

  ✗ 3. 14

  ✗ 4. 15

Q.26 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged, and '−' and '÷' are interchanged?

46 − 2 ÷ 10 + 3 × 24 = ?

Ans
  ✗ 1. 12

  ✓ 2. 17

  ✗ 3. 22

  ✗ 4. 28

Q.27 What should come in place of the question mark (?) in the given series?

288 233 183 138 98 ?

Ans   ✗ 1. 53

      ✗ 2. 73

      ✔ 3. 63

      ✗ 4. 43

Q.28 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
All oranges are melons.
All grapes are oranges.

Conclusions:
(I) Some melons are oranges.
(II) All grapes are melons.

Ans   ✔ 1. Both conclusions (I) and (II) follow.

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

      ✗ 3. Only conclusion (II) follows.

      ✗ 4. Only conclusion (I) follows.

Q.29 1 is subtracted from each even digit of the number 95423671. Find the product of the digits that are third from the left and third from the right in the new number formed.

Ans   ✗ 1. 10

      ✗ 2. 8

      ✗ 3. 0

      ✔ 4. 15

Q.30 38 people are standing in a row facing North. Harman is 15th from the right end while Hinal is 13th from the left end. How many people are there between Harman and Hinal?

Ans   ✗ 1. 8

      ✗ 2. 9

      ✔ 3. 10

      ✗ 4. 7