



## रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

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



Test Date	08/09/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT I

\* Note

Correct Answer will carry 1 mark per Question.

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

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

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

### Section : General Awareness

**Q.1** What was India's rank in the 2025 Human Development Index (HDI) released by the United Nations Development Programme (UNDP)?

- Ans
- ☒ 1. 135
  - ☒ 2. 130
  - ☒ 3. 140
  - ☒ 4. 125

**Q.2** Which Indian minister highlighted India's economic growth and IT advancements at Davos 2025?

- Ans
- ☒ 1. Rajnath Singh
  - ☒ 2. Nirmala Sitharaman
  - ☒ 3. Piyush Goyal
  - ☒ 4. Ashwini Vaishnaw

**Q.3** Which of the following initiatives were launched by the Department of Posts in May 2025 to modernise India's addressing system and enhance last-mile delivery?

- Ans
- ☒ 1. India Address Precision System and Postal Service Enhancer
  - ☒ 2. GeoLocate India and Postal Code Finder
  - ☒ 3. Know Your DIGIPIN and Know Your PIN Code web platforms
  - ☒ 4. Digital India Address Mapping and National Postal Tracker

**Q.4** What was the position of India in 2014 among the economies of the world?

- Ans
- ☒ 1. 10<sup>th</sup> largest
  - ☒ 2. 7<sup>th</sup> largest
  - ☒ 3. 12<sup>th</sup> largest
  - ☒ 4. 15<sup>th</sup> largest

**Q.5** Which of the following techniques was used by the Harappans to create bronze sculptures?

- Ans
- ☒ 1. Engraving
  - ☒ 2. Lost-wax casting
  - ☒ 3. Stone carving
  - ☒ 4. Hand-molding

**Q.6** Launched by the former Vice-President Jagdeep Dhankhar in May 2025, who is the author of the book 'Chunautiyan Mujhe Pasand Hain'?

- Ans**
- ☐ 1. Santosh Kumar Gangwar
  - ☒ 2. Anandiben Patel
  - ☐ 3. Thaawarchand Gehlot
  - ☐ 4. Pratap Shukla

**Q.7** The Mutual Credit Guarantee Scheme, approved by the Government of India in January 2025, provides what percentage of guarantee coverage for credit facility to member lending institutions?

- Ans**
- ☐ 1. 80%
  - ☐ 2. 50%
  - ☒ 3. 60%
  - ☐ 4. 40%

**Q.8** Which of the following changes would need the approval of at least half of all State Legislatures?

- Ans**
- ☒ 1. Amending the Emergency provisions in Part XVIII
  - ☐ 2. Rewriting the Preamble's text
  - ☐ 3. Changing the Guarantee of Fundamental Rights
  - ☐ 4. Altering the Union List of subjects

**Q.9** Equal pay for equal work is ensured under which Article?

- Ans**
- ☒ 1. Article 39(d)
  - ☐ 2. Article 43
  - ☐ 3. Article 42
  - ☐ 4. Article 39(a)

**Q.10** In which year was the Rajiv Gandhi Khel Ratna Award officially renamed the Major Dhyan Chand Khel Ratna Award?

- Ans**
- ☐ 1. 2019
  - ☐ 2. 2015
  - ☒ 3. 2021
  - ☐ 4. 2017

**Q.11** Who is described as the 'permanent executive'?

- Ans**
- ☐ 1. Members of the elected Parliament
  - ☒ 2. The permanent civil servants who manage daily administration
  - ☐ 3. Judges of the Supreme Court
  - ☐ 4. The heads of government and their ministers

**Q.12** What is the primary objective of the Inter-Services Organisations (Command, Control & Discipline) Rules, which came into effect from May 2025?

- Ans**
- ☐ 1. To centralise intelligence operations
  - ☒ 2. To establish a unified military command structure
  - ☐ 3. To privatise defence manufacturing
  - ☐ 4. To integrate paramilitary forces under the Ministry of Defence

**Q.13 Under which Article does the Supreme Court of India exercise original jurisdiction in cases involving the violation of Fundamental Rights?**

- Ans**
- ✓ 1. Article 32
  - ✗ 2. Article 136
  - ✗ 3. Article 226
  - ✗ 4. Article 131

**Q.14 Which Chilean filmmaker won the top award in the Un Certain Regard section at the 77<sup>th</sup> Cannes Film Festival for the debut feature 'The Mysterious Gaze of the Flamingo'?**

- Ans**
- ✗ 1. Andrés Wood
  - ✓ 2. Diego Céspedes
  - ✗ 3. Sebastián Lelio
  - ✗ 4. Pablo Larraín

**Q.15 What is the name of India's indigenous long-range surface-to-air missile system under development, expected to be operational by 2028–29?**

- Ans**
- ✗ 1. Agni-V
  - ✗ 2. Trishul
  - ✓ 3. Project Kusha
  - ✗ 4. Akash-NG

**Q.16 What was the theme of the 'World Sustainable Development Summit' organised by 'The Energy and Resources Institute' (TERI) at India Habitat Centre New Delhi in March 2025?**

- Ans**
- ✗ 1. Land Restoration, Desertification and Drought Resilience
  - ✗ 2. Invest In Our Planet
  - ✓ 3. Partnerships for Accelerating Sustainable Development and Climate Solutions
  - ✗ 4. Ecosystem Restoration

**Q.17 The Golden Quadrilateral connects which of the following four major metro cities?**

- Ans**
- ✗ 1. Mumbai, Kolkata, Bhopal, Bengaluru
  - ✗ 2. Delhi, Mumbai, Hyderabad, Kolkata
  - ✓ 3. Delhi, Chennai, Kolkata, Mumbai
  - ✗ 4. Delhi, Bengaluru, Hyderabad, Chennai

**Q.18 Which of the following is the largest source of electricity generation in India?**

- Ans**
- ✗ 1. Solar energy
  - ✗ 2. Nuclear energy
  - ✗ 3. Wind energy
  - ✓ 4. Thermal power

**Q.19 Which of the following sectors contributed the most to India's defence exports in FY 2023-24?**

- Ans**
- ✓ 1. The private sector contributed about 60% and DPSUs about 40%
  - ✗ 2. Only the private sector
  - ✗ 3. Only DPSUs
  - ✗ 4. The private sector and DPSUs equally

**Q.20 In which State will north India's first nuclear project be set up?**

- Ans**
- ✓ 1. Haryana
  - ✗ 2. Uttarakhand
  - ✗ 3. Punjab
  - ✗ 4. Himachal Pradesh

**Q.21 Which of the following quantities has both magnitude and direction?**

- Ans**
- ☐ 1. Time
  - ☐ 2. Distance
  - ☐ 3. Speed
  - ☒ 4. Velocity

**Q.22 Which of the following is an example of chemical weathering?**

- Ans**
- ☐ 1. Frost action
  - ☐ 2. Exfoliation
  - ☐ 3. Abrasion
  - ☒ 4. Oxidation

**Q.23 Where is India's first Quantum Computing Village proposed to be established, as per a meeting by that state's government in April 2025, under the Real-Time Governance Society (RTGS)?**

- Ans**
- ☐ 1. Bengaluru, Karnataka
  - ☐ 2. Thiruvananthapuram, Kerala
  - ☒ 3. Amaravati, Andhra Pradesh
  - ☐ 4. Patna, Bihar

**Q.24 Which key urban feature of Indus Valley cities shows advanced planning with streets intersecting at right angles and covered drains?**

- Ans**
- ☒ 1. Grid-pattern layout
  - ☐ 2. Citadel only
  - ☐ 3. Slums
  - ☐ 4. Forts

**Q.25 The PM SVANidhi scheme is available for beneficiaries belonging to only those States/UTs which have notified rules and a scheme under the Street Vendors (Protection of Livelihood and Regulation of Street Vending) Act, \_\_\_\_\_.**

- Ans**
- ☐ 1. 2001
  - ☐ 2. 2008
  - ☒ 3. 2014
  - ☐ 4. 2005

**Q.26 Which of the following pairs is correctly matched with both its abbreviation and its function?**

- Ans**
- ☒ 1. ROM – Read Only Memory – Stores boot instructions needed when the computer is powered on
  - ☐ 2. PCB – Printed Chip Base – Transfers data from CPU to display
  - ☐ 3. CPU – Central Processing Unit – Stores user files permanently
  - ☐ 4. RAM – Read Access Memory – Runs the operating system even after power is off

**Q.27 Which state's physiography is largely defined by the Indo-Gangetic Plain?**

- Ans**
- ☐ 1. Rajasthan
  - ☒ 2. Uttar Pradesh
  - ☐ 3. Sikkim
  - ☐ 4. Jharkhand

**Q.28** Aruna Asaf Ali is widely remembered for hoisting the Indian National flag during the Quit India Movement in 1942 at the \_\_\_\_\_.

- Ans**
- ☐ 1. Shivaji Park, Bombay
  - ☐ 2. Gandhi Maidan, Patna
  - ☐ 3. Pragati Maidan, Delhi
  - ☒ 4. Gowalia Tank Maidan, Bombay

**Q.29** Which of the following tribunals deals specifically with service-related matters of public servants?

- Ans**
- ☐ 1. Income Tax Appellate Tribunal
  - ☐ 2. Armed Forces Tribunal
  - ☐ 3. National Green Tribunal
  - ☒ 4. Central Administrative Tribunal

**Q.30** The ampere magnitude is determined by setting the numerical value of the elementary charge equal to \_\_\_\_\_.

- Ans**
- ☐ 1.  $1.624432754 \times 10^{-17} \text{ C}$
  - ☐ 2.  $1.655908436 \times 10^{-18} \text{ C}$
  - ☒ 3.  $1.602176634 \times 10^{-19} \text{ C}$
  - ☐ 4.  $1.611547243 \times 10^{-19} \text{ C}$

**Q.31** Which sector was most affected by liberalisation in India?

- Ans**
- ☐ 1. Public Distribution
  - ☐ 2. Agriculture
  - ☒ 3. Industry and Services
  - ☐ 4. IT

**Q.32** Which of the following actions will move a file to the Recycle Bin in Windows?

- Ans**
- ☐ 1. Right-click the file → Select Rename
  - ☐ 2. Press Enter on the selected file
  - ☒ 3. Right-click the file → Select Delete
  - ☐ 4. Drag the file into Taskbar

**Q.33** According to the 2024 World Happiness Report, which country was ranked as the happiest?

- Ans**
- ☐ 1. Iceland
  - ☐ 2. Sweden
  - ☐ 3. Denmark
  - ☒ 4. Finland

**Q.34** What does the closeness of magnetic field lines indicate about the magnetic field?

- Ans**
- ☐ 1. Direction of the electric field
  - ☐ 2. Presence of electric charge
  - ☒ 3. Relative strength of the magnetic field
  - ☐ 4. Direction of the magnetic field

**Q.35** Which tribal leader led the Munda Ulgulan (rebellion) in the 1890s?

- Ans**
- ☐ 1. Tana Bhagat
  - ☐ 2. Gunda Dhur
  - ☐ 3. Tilka Manjhi
  - ☒ 4. Birsa Munda

**Q.36** Arthashastra, which formed the basis of governance and administration during the Mauryan period, discussed which of the following problems of the citizens?

- Ans**
- ☐ 1. Cross-border and educational issues
  - ☒ 2. Socio-economic problems
  - ☐ 3. Ethical and morality issues of the rulers
  - ☐ 4. Geo-political problems of the kingdom

**Q.37** Which private firm produced the first rear fuselage for Light Combat Aircraft Mk1A that was handed over to Hindustan Aeronautics Limited (HAL) in Bengaluru?

- Ans**
- ☐ 1. Mahindra Defence
  - ☒ 2. Alpha Tocol Engineering Services
  - ☐ 3. Larsen & Toubro
  - ☐ 4. Tata Advanced Systems

**Q.38** Who was the sole representative of the Indian National Congress in the 2<sup>nd</sup> Round Table Conference of 1931?

- Ans**
- ☐ 1. Dr B R Ambedkar
  - ☐ 2. Chittaranjan Das
  - ☒ 3. Mahatma Gandhi
  - ☐ 4. Jawaharlal Nehru

**Q.39** Between 1991 and 2020, India's export-import trends show:

- Ans**
- ☐ 1. Export-to-import ratio remaining at 1:1
  - ☐ 2. Trade surplus every year
  - ☒ 3. Rising imports outpacing exports and widening the trade deficit
  - ☐ 4. Continuous decline of imports

**Q.40** Clear skies, rising temperatures, and moist land — conditions commonly referred to as 'October heat' — are associated with which of the following in the Indian context?

- Ans**
- ☐ 1. Cyclonic Depressions of Arabian Sea
  - ☐ 2. Monsoon Wind striking the Western Coast
  - ☐ 3. Cyclonic Depressions of Bay of Bengal
  - ☒ 4. Retreating Monsoon

#### Section : Mathematics

**Q.1** The product of two consecutive natural numbers is 650. The greater of the two numbers is:

- Ans**
- ☐ 1. 29
  - ☐ 2. 31
  - ☐ 3. 43
  - ☒ 4. 26

**Q.2** The average weight of Ram, Anwar and Amit is 45 kg. If the average weight of Ram and Anwar is 44 kg and that of Anwar and Amit is 42 kg, then the weight of Anwar (in kg) is:

- Ans**
- ☒ 1. 37
  - ☐ 2. 52
  - ☐ 3. 57
  - ☐ 4. 47

Q.3 Find the value of:  $69^{-4} \div 69^{15} \times 69^{-9}$

- Ans
- ☐ 1.  $69^{-23}$
  - ☐ 2.  $69^{-38}$
  - ☐ 3.  $69^{-37}$
  - ☒ 4.  $69^{-28}$

Q.4 The price of a laptop is ₹46,000, and a trade discount of 16% is available. What will be the final amount the customer pays?

- Ans
- ☒ 1. ₹38,640
  - ☐ 2. ₹38,685
  - ☐ 3. ₹38,625
  - ☐ 4. ₹38,610

Q.5 In covering a distance of 102 km, Amit takes 8 hours more than Vinay. If Amit doubles his speed, then he would take 9 hours less than Vinay. Amit's speed is:

- Ans
- ☐ 1. 10 km/hr
  - ☒ 2. 3 km/hr
  - ☐ 3. 8 km/hr
  - ☐ 4. 11 km/hr

Q.6 Simplify:  $\frac{(1 + \sin A)(\sec A - \tan A)}{\operatorname{cosec} A(1 - \cos A)(\operatorname{cosec} A + \cot A)}$

- Ans
- ☐ 1.  $\tan A$
  - ☐ 2. 1
  - ☐ 3. 2
  - ☒ 4.  $\cos A$

Q.7 If 2 times a mother's present age is 26 years more than 6 times her daughter's present age, and 4 times the daughter's present age is 4 years less than the mother's present age, then what is the difference (in years) between the ages of the mother and the daughter?

- Ans
- ☐ 1. 29
  - ☐ 2. 32
  - ☒ 3. 31
  - ☐ 4. 36

Q.8 The simple interest on a certain sum for  $2\frac{7}{8}$  years at the rate of 2.9% per annum is ₹8,671.

What will be the amount payable on the same sum at the rate of 4.5% per annum simple interest in  $4\frac{2}{5}$  years?

- Ans
- ☐ 1. ₹1,24,608
  - ☐ 2. ₹1,24,574
  - ☐ 3. ₹1,24,590
  - ☒ 4. ₹1,24,592

Q.9 Find the value of x satisfying:  $3(3x^2 - 6) - 3(3x^2 + 5x - 7) = 19$

Ans

- ☐ 1.  $-\frac{13}{15}$
- ☐ 2.  $-\frac{26}{15}$
- ☒ 3.  $-\frac{16}{15}$
- ☐ 4.  $-\frac{14}{15}$

Q.10 Gopal, Hema, and Uday invest ₹1,130, ₹1,030, and ₹1,840, respectively, to start a business. If the profit at the end of the year is ₹1,800, then what is the share of Uday in the profit?

Ans

- ☐ 1. ₹830
- ☐ 2. ₹825
- ☐ 3. ₹831
- ☒ 4. ₹828

Q.11 A man makes a monthly payment equal to 36% of his monthly salary towards debt repayment. He spends 50% of the remaining salary and saves ₹704. His monthly salary (in ₹) is:

Ans

- ☐ 1. 2,104
- ☐ 2. 2,116
- ☒ 3. 2,200
- ☐ 4. 2,202

Q.12 A man driving a car at a speed of 21 km/hr crosses a bridge in 18 minutes. Find the length of the bridge.

Ans

- ☐ 1. 4.7 km
- ☐ 2. 15.2 km
- ☒ 3. 6.3 km
- ☐ 4. 2.5 km

Q.13 Find the value of:  $[138 \div \{13 + 7 \times (3 - 4)\}]$ .

Ans

- ☒ 1. 23
- ☐ 2. 18
- ☐ 3. 20
- ☐ 4. 27

Q.14 A can do a work in 11 days and B can do the same work in 23 days. If they work on it together for 2 days, then what fraction of the work is left?

Ans

- ☐ 1.  $\frac{193}{253}$
- ☐ 2.  $\frac{192}{253}$
- ☒ 3.  $\frac{185}{253}$
- ☐ 4.  $\frac{181}{253}$



Q.15 The LCM of the numbers 2.9 and 0.031 is:

- Ans ☒ 1. 89.9  
☐ 2. 0.899  
☐ 3. 8.99  
☐ 4. 899

Q.16 What is the number of iron balls, each of radius 4 cm, that can be moulded out of a sphere of diameter 64 cm?

- Ans ☐ 1. 729  
☐ 2. 216  
☐ 3. 343  
☒ 4. 512

Q.17 ₹45,800 were divided among A, B and C such that 2 times the share of A = 4 times the share of B = 7 times the share of C. Find the share of A.

- Ans ☐ 1. ₹25,582  
☐ 2. ₹25,828  
☒ 3. ₹25,648  
☐ 4. ₹25,611

Q.18 What smallest number should be added to 19964 so that the sum is completely divisible by 76?

- Ans ☐ 1. 21  
☐ 2. 25  
☒ 3. 24  
☐ 4. 22

Q.19 The sum of five numbers is 655. The average of the first two numbers is 80 and the third number is 106. Find the average of the remaining two numbers.

- Ans ☐ 1. 195.5  
☐ 2. 186  
☒ 3. 194.5  
☐ 4. 187

Q.20 A shopkeeper gives two successive discounts of 20% and 10% on a shirt marked at ₹1,200. What is the final selling price?

- Ans ☐ 1. ₹880  
☐ 2. ₹890  
☐ 3. ₹870  
☒ 4. ₹864

Q.21 Kiran can do a certain piece of work in 26 days. Kiran and Garima can together do the same work in 13 days, and Kiran, Garima and Mehak can do the same work together in 10 days. In how many days can Kiran and Mehak do the same work together?

- Ans ☐ 1.  $\frac{74}{5}$   
☐ 2.  $\frac{64}{4}$   
☒ 3.  $\frac{65}{4}$   
☐ 4.  $\frac{60}{6}$

**Q.22** If 43% of first number is equal to two-ninths of second number, what is the ratio of first number to the second number?

- Ans**
- ☐ 1. 202 : 384
  - ☐ 2. 198 : 382
  - ☒ 3. 200 : 387
  - ☐ 4. 201 : 390

**Q.23** Which of the following statements is true regarding quadrilaterals?

- (i) A rhombus can be a square, but not all squares are rhombuses.
- (ii) In a trapezium, two pairs of opposite sides are equal.
- (iii) A rhombus is a special type of a parallelogram.
- (iv) Diagonals are equal in parallelograms and rhombuses.

- Ans**
- ☐ 1. iv
  - ☒ 2. iii
  - ☐ 3. ii
  - ☐ 4. i

**Q.24** Sapna invested ₹22,400 on simple interest, partly at 12% per annum and partly at 8% per annum. If she earns equal interests from the two investments after 4 years, then find the sum invested at 12% per annum (in ₹).

- Ans**
- ☒ 1. 8,960
  - ☐ 2. 8,962
  - ☐ 3. 8,958
  - ☐ 4. 8,963

**Q.25** A shopkeeper lists the price of a fan at 44% above its cost price and offers a 25% discount on its list price. If he earns a profit of ₹67, then what is the list price (in ₹) of the fan?

- Ans**
- ☒ 1. 1,206
  - ☐ 2. 1,441
  - ☐ 3. 1,194
  - ☐ 4. 1,457

**Q.26** If the radius of the base of a right circular cylinder is decreased by 28% and its height is increased by 141%, then what is the percentage increase (closest integer) in its volume?

- Ans**
- ☐ 1. 29%
  - ☐ 2. 15%
  - ☐ 3. 17%
  - ☒ 4. 25%

**Q.27** By how much is 65% of 75 greater than  $\frac{3}{5}$  of 55?

- Ans**
- ☐ 1. 13.75
  - ☐ 2. 12.75
  - ☐ 3. 9.75
  - ☒ 4. 15.75

**Q.28** The HCF and LCM of two numbers are 3 and 396, respectively. If one of the numbers is 132, find the other one.

- Ans**
- ☐ 1. 60
  - ☐ 2. 80
  - ☐ 3. 90
  - ☒ 4. 9

**Q.29** Himanshi bought a toy for ₹743, decorated it at a cost of ₹8 and sold the toy for ₹750. Find the loss or profit percentage.

**Ans**

✓ 1.  $\frac{100}{751}\%$  loss

✗ 2. 100 % loss

✗ 3.  $\frac{100}{751}\%$  profit

✗ 4.  $\frac{110}{751}\%$  profit

**Q.30** The number 242425 is divisible by which of the following?

**Ans**

✗ 1. 6

✗ 2. 9

✗ 3. 13

✓ 4. 5

Section : General Intelligence and Reasoning

**Q.1** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:** Some notes are books. All books are keys.

**Conclusions (I):** Some notes are keys.

**Conclusions (II):** All keys are books.

**Ans**

✗ 1. Only conclusion (II) follows.

✓ 2. Only conclusion (I) follows.

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

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

**Q.2** Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VOH 90, SLE 83, PIB 76, MFY 69, JCV 62, ?

**Ans**

✗ 1. GJS 55

✗ 2. HZS 55

✓ 3. GZS 55

✗ 4. GZI 55

**Q.3** Each of the digits in the number 8912346 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

**Ans**

✗ 1. 7

✗ 2. 6

✓ 3. 10

✗ 4. 8

**Q.4** If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 4376295, then which of the following digits will be third from the right in the new number thus formed?

- Ans** ☒ 1. 4  
☐ 2. 8  
☐ 3. 7  
☐ 4. 2

**Q.5** What should come in place of the question mark (?) in the given series?

60 71 93 137 225 ?

- Ans** ☐ 1. 400  
☒ 2. 401  
☐ 3. 402  
☐ 4. 403

**Q.6** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TVY QSV NPS KMP ?

- Ans** ☐ 1. HIM  
☒ 2. HJM  
☐ 3. HJN  
☐ 4. HIN

**Q.7** A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. Only one person sits between A and L when counted from the right of A. Only one person sits between L and J. Only one person sits between A and D. Only two people sit between K and J. Only one person sits between C and D. Who sits third to the right of B?

- Ans** ☐ 1. A  
☐ 2. C  
☐ 3. D  
☒ 4. L

**Q.8** In a certain code language, 'POUR' is coded as '4527' and 'UNIT' is coded as '1356'. What is the code for 'U' in that language?

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

**Q.9** Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept above E. Only one box is kept between G and E. Only three boxes are kept between G and C. C is kept at some place above E. B is kept immediately below C. D is kept at one of the places above F. A is not kept immediately above or below G. How many boxes are kept between C and D?

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

**Q.10** Paras, Mani, Kajal, Kunj, Vani and Saras are sitting around a circle, facing the centre. Saras sits third to the left of Vani. Vani sits second to the right of Paras. Kunj sits second to the left of Kajal. Who sits to the immediate right of Mani?

- Ans**
- ☐ 1. Paras
  - ☐ 2. Kajal
  - ☐ 3. Vani
  - ☒ 4. Saras

**Q.11** Bismil starts from Point A and drives 14 km towards South. He then takes a left turn, drives 19 km, turns left and drives 16 km. He then takes a left turn and drives 26 km. He takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans**
- ☒ 1. 7 km to the east
  - ☐ 2. 6 km to the east
  - ☐ 3. 7 km to the west
  - ☐ 4. 6 km to the west

**Q.12** In a certain code language, 'COLD' is coded as '2357' and 'LEAN' is coded as '4136'. What is the code for 'L' in that language?

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

**Q.13** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

All oranges are bananas.  
All bananas are grapes.

**Conclusions:**

(I): All oranges are grapes.

(II): All grapes are bananas

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

**Q.14** If 1 is added to each even digit and 1 is subtracted from each odd digit in the number 697312458, what will be the sum of all the odd digits in the new number thus formed?

- Ans**
- ☒ 1. 24
  - ☐ 2. 20
  - ☐ 3. 18
  - ☐ 4. 26

**Q.15** In a row of 49 students facing North, Anish is 17<sup>th</sup> from the right end. If Raghav is 12<sup>th</sup> to the left of Anish, what is Raghav's position from the left-end of the line?

- Ans**
- ☐ 1. 20<sup>th</sup>
  - ☐ 2. 22<sup>nd</sup>
  - ☒ 3. 21<sup>st</sup>
  - ☐ 4. 23<sup>rd</sup>

**Q.16** Select the number from among the given options that can replace the question mark (?) in the following series.  
180 159 135 108 78 ?

- Ans**
- ☐ 1. 54
  - ☐ 2. 35
  - ☒ 3. 45
  - ☐ 4. 32

**Q.17** Namit ranked 13<sup>th</sup> from the bottom and 19<sup>th</sup> from the top in his class. How many students are there in his class?

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

**Q.18** If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 76391452, how many digits will appear more than once in the new number thus formed?

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

**Q.19** In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the pair in which the numbers are related in the same way as are the numbers of the following pairs.

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

21, 124  
18, 106

- Ans**
- ☐ 1. 9, 56
  - ☐ 2. 6, 36
  - ☐ 3. 15, 86
  - ☒ 4. 13, 76

**Q.20** Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. AV – HK
  - ☒ 2. HC – QR
  - ☐ 3. JE – QT
  - ☐ 4. VQ – CF

**Q.21** A is the son of K. K is the father of P. P is the sister of D. D is the mother of M. M is the son of R. R is the son of B. How is A related to M?

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

Q.22 What should come in place of the question mark (?) in the given series?

44 39 29 14 -6 ?

- Ans
- ☒ 1. -31
  - ☐ 2. -35
  - ☐ 3. -34
  - ☐ 4. -32

Q.23 This question is based on the five, three-digit numbers given below.  
(Left) 452 561 514 232 294 (Right)

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

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

- Ans
- ☐ 1. 6
  - ☐ 2. 4
  - ☐ 3. 14
  - ☒ 4. 7

Q.24 Anil starts from Point Y and drives 12 km towards the south. He then takes a right turn and drives 36 km, then turns left and drives 33 km. He then takes a left turn and drives 17 km. He takes a left turn and drives 21 km. He then turns right and drives 19 km, then turns right and drives 13 km to stop at Point Z. How far (shortest distance) and in which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified.)

- Ans
- ☐ 1. 42 km towards the north
  - ☐ 2. 39 km towards the south
  - ☐ 3. 41 km towards the south
  - ☒ 4. 37 km towards the north

Q.25 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☐ 1. BG-UZ
  - ☐ 2. KP-DI
  - ☒ 3. PU-IM
  - ☐ 4. XC-QV

Q.26 VELG is related to ZZPB in a certain way based on the English alphabetical order. In the same way, DUTW is related to HPXR. To which of the given options is LKBM related, following the same logic?

- Ans
- ☐ 1. REEG
  - ☒ 2. PFFH
  - ☐ 3. QDEH
  - ☐ 4. OEFG

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

MINT - ITNM - TNIM  
PLUS - LSUP - SULP

- Ans
- ☐ 1. WANT - AWNT - TANW
  - ☒ 2. COIL - OLIC - LIOC
  - ☐ 3. REST - RSET - TSER
  - ☐ 4. TOWN - OTWN - NOWT

**Q.28** Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

LXK : PVH  
BPY : FNV

- Ans**
- ☒ 1. LBO : PGS
  - ☒ 2. LHC : PEG
  - ☒ 3. PNW : TKA
  - ☒ 4. TTE : XRB

**Q.29** Refer to the following number and symbol series and answer the question that follows.  
All numbers are single-digit. Counting to be done from left to right only.

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

If all the symbols are dropped from the series, which of the following will be sixth from the right end?

- Ans**
- ☒ 1. 5
  - ☒ 2. 8
  - ☒ 3. 4
  - ☒ 4. 9

**Q.30** Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☒ 1. ZC - WX
  - ☒ 2. KL - HG
  - ☒ 3. TJ - QE
  - ☒ 4. OD - KY