



## रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

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



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

\* Note

Correct Answer will carry 1 mark per Question.

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

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

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

### Section : General Awareness

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

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

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

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

**Q.3** Womesh Chandra Bonnerjee represented Calcutta University in the Bengal Legislative Council during \_\_\_\_\_.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Q.33** The first systematisation of the Jain canonical literature took place at \_\_\_\_.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Q.8

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

Ans

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

Q.9

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

Ans

- ☐ 1.  $140^\circ$
- ☐ 2.  $139^\circ$
- ☐ 3.  $146^\circ$
- ☒ 4.  $145^\circ$

Q.10

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

Ans

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

Q.11

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

Ans

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

Q.12

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

Ans

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

Q.13

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

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

Ans

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



Q.14

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

Ans

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

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

Ans

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

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

Ans

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

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

Ans

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

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

Ans

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

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

Ans

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

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

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

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

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

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

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

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

{ Take  $\pi = \frac{22}{7}$  }

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

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

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

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

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

Q.26 The average of first 155 even numbers is

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

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

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

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

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

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

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

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

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

#### Section : General Intelligence and Reasoning

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

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

108, 54  
78, 39

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

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

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

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

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

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

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

**Statements:**

Some guns are roses.  
All roses are bats.

**Conclusions:**

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

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

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

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

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

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

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

GBD IDF KFH MHJ ?

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

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

MINK - IKNM - KNIM  
PLOT - LTOP - TOLP

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

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

18 58 47 145 134 ?

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

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

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

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

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

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

450 455 461 466 472 477 483 ?

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

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

- Ans**
- ☐ 1. K
  - ☒ 2. I
  - ☐ 3. U
  - ☐ 4. H

**Q.13** Nikhil ranked 18<sup>th</sup> from the top and 36<sup>th</sup> from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 55
  - ☐ 2. 54
  - ☒ 3. 53
  - ☐ 4. 52

**Q.14** Six people, E, F, G, H, I and P, are sitting in a row, facing north. Only two people sit to the left of P. Only two people sit between P and E. Only one person sits between E and H. Only I sits between P and G. How many people sit between F and I?

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

**Q.15** Govind starts from Point Y and drives 12 km towards west. He then turns right and drives 37 km, takes a left turn, drives 18 km, turns left and drives 63 km. He then takes a right turn and drives 19 km. He takes a right turn, drives 35 km, turns left, drives 32 km, then turns left and drives 9 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- Ans**
- ☐ 1. 71 km towards west
  - ☐ 2. 84 km towards west
  - ☒ 3. 81 km towards east
  - ☐ 4. 77 km towards east

**Q.16** Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans**
- ☐ 1. IL - FQ
  - ☐ 2. WR - TW
  - ☒ 3. HY - DD
  - ☐ 4. QE - NJ

**Q.17** EGLU is related to IKOX in a certain way based on the English alphabetical order. In the same way, UWXG is related to YAAJ. To which of the given options is GIGP related, following the same logic?

- Ans**
- ☒ 1. KMJS
  - ☐ 2. KMSJ
  - ☐ 3. KSDF
  - ☐ 4. KJSM

**Q.18** Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

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

**Q.19** Niku ranked 24<sup>th</sup> from the top and 13<sup>th</sup> from the bottom in his class. How many students are there in his class?

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

Q.20 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HMI 3, JOK 6, LQM 9, NSO 12, ?

- Ans
- ☐ 1. MTP 20
  - ☐ 2. OUQ 15
  - ☒ 3. PUQ 15
  - ☐ 4. PTP 20

Q.21 GBNS is related to EYPV in a certain way based on the English alphabetical order. In the same way, CVRY is related to ASTB. To which of the following is YPVE related, following the same logic?

- Ans
- ☐ 1. VNXG
  - ☐ 2. XLYF
  - ☒ 3. WMXH
  - ☐ 4. VLWF

Q.22 Each of the digits in the number 6243514 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

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

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

679 680 684 693 709 ?

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

Q.24 In a certain code language,  
'A = B' means 'A is the wife of B',  
'A ≠ B' means 'A is the father of B',  
'A # B' means 'A is the brother of B' and  
'A % B' means 'A is the son of B'.

How is S related to P if 'S ≠ Y # R = U % P'?

- Ans
- ☐ 1. Son's wife's sister
  - ☒ 2. Son's wife's father
  - ☐ 3. Son's wife's mother
  - ☐ 4. Son's wife's brother

Q.25 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

**Statements:** All lions are tigers. No lion is a cat.

**Conclusions (I):** Some cats are lions.

**Conclusions (II):** Some tigers are lions.

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

**Q.26** In a certain code language, 'SAID' is coded as '6175' and 'DIMS' is coded as '7691'. What is the code for 'M' in the given code language?

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

**Q.27** Seven boxes T, U, V, W, X, Y and D are kept one over the other but not necessarily in the same order. T is kept immediately above D. U is kept immediately above W. Only V is kept above Y. Only one box are kept between V and T. Only two boxes are kept between Y and X. How many boxes are kept between W and V?

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

**Q.28** What will come in the place of the question mark (?) in the following equation, if '+' and 'x' are interchanged, and '-' and '÷' are interchanged?

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

- Ans**
- ☐ 1. 11
  - ☐ 2. 15
  - ☒ 3. 29
  - ☐ 4. 22

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

(Left) 384 673 543 236 741 (Right)

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

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

If 2 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?

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

**Q.30** Town J is to the west of town M. Town N is to the south of Town M. Town K is to the west of Town N. Town L is to the south of town N. What is the position of town L with respect to town K?

- Ans**
- ☐ 1. Northeast
  - ☐ 2. Southwest
  - ☐ 3. Northwest
  - ☒ 4. Southeast