



## 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	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 Jain text is recognised in the West and known for its verses on monk conduct, sermons, and poetic teachings?

- Ans
- ☒ 1. Uttaradhyayana Sutra
  - ☒ 2. Kalpa Sutra
  - ☒ 3. Acaranga Sutra
  - ☒ 4. Bhagavati Sutra

**Q.2** Why is Sanskrit counted among the modern Indian languages by the Constitution of India?

- Ans
- ☒ 1. Given its designation as India's national language
  - ☒ 2. Because it continues to be actively used
  - ☒ 3. Due to its status as the most ancient classical language
  - ☒ 4. As it serves as the linguistic root for all contemporary Indian languages

**Q.3** The division of subjects between the Union and the States is laid out in which Schedule of the Constitution?

- Ans
- ☒ 1. Schedule IX
  - ☒ 2. Schedule V
  - ☒ 3. Schedule X
  - ☒ 4. Schedule VII

**Q.4** Which key combination is used to permanently delete a file without sending it to the Recycle Bin?

- Ans
- ☒ 1. Ctrl + D
  - ☒ 2. Alt + F4
  - ☒ 3. Shift + F2
  - ☒ 4. Shift + Delete

**Q.5** The Bhimbetka rock shelters are associated with which prehistoric period?

- Ans
- ☒ 1. Upper Neolithic
  - ☒ 2. Lower Paleolithic
  - ☒ 3. Iron Age
  - ☒ 4. Lower Chalcolithic

**Q.6** According to the 'List of India's Major Defence Deals of 2024–2025' report, what is the primary objective of India's ₹20,506.65 crore acquisition of BrahMos supersonic cruise missiles?

- Ans**
- ☐ 1. Enhance the Indian Army's artillery capabilities
  - ☒ 2. Strengthen the Indian Navy's maritime strike capacity
  - ☐ 3. Upgrade the Indian Air Force's fighter jets
  - ☐ 4. Develop indigenous missile technology

**Q.7** Which of the following practices promotes sustainable agriculture?

- Ans**
- ☐ 1. Monocropping
  - ☒ 2. Crop rotation and organic farming
  - ☐ 3. Slash and burn cultivation
  - ☐ 4. Use of chemical pesticides

**Q.8** The office of Governor-General was renamed after 1858 as \_\_\_\_.

- Ans**
- ☐ 1. Secretary of State
  - ☒ 2. Viceroy of India
  - ☐ 3. Chief Administrator
  - ☐ 4. Prime Minister

**Q.9** The Idukki Disaster Resilience and Information System (IDRIS), India's first integrated early warning and planning platform using AI and real-time data, was launched in which Indian state?

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

**Q.10** Which amendment granted constitutional status to Panchayati Raj institutions?

- Ans**
- ☐ 1. Seventy-fourth Amendment Act, 1992
  - ☐ 2. Eighty-sixth Amendment Act, 2002
  - ☒ 3. Seventy-third Amendment Act, 1992
  - ☐ 4. Seventy-second Amendment Act, 1992

**Q.11** India's first prototype fast-breeder reactor to be commissioned by September 2026, is located at which of the following places?

- Ans**
- ☒ 1. Kalpakkam
  - ☐ 2. Tarapur
  - ☐ 3. Bhavnagar
  - ☐ 4. Jaduguda

**Q.12** Which of the following was a major fiscal reform introduced in India as part of the 1991 economic reforms?

- Ans**
- ☐ 1. Introduction of GST
  - ☒ 2. Introduction of the Modified Value Added Tax
  - ☐ 3. Abolition of wealth tax
  - ☐ 4. Implementation of the FRBM Act

**Q.13** Which of the following commissions was appointed to look into the question of states based on language?

- Ans**
- ☐ 1. Gadgil Commission
  - ☐ 2. Sarkaria Commission
  - ☐ 3. Swaran Singh Committee
  - ☒ 4. Dhar Commission

**Q.14** Which of the following is a compound?

- Ans**
- ☐ 1. Oxygen
  - ☐ 2. Iron
  - ☒ 3. Water
  - ☐ 4. Sulphur

**Q.15** Which missile was successfully flight-trialed by DRDO and the Indian Navy from Integrated Test Range, Chandipur, Odisha, in 2025, demonstrating capability against ship targets when launched from a Sea King helicopter?

- Ans**
- ☐ 1. BrahMos Anti-Ship Missile
  - ☒ 2. Naval Anti-Ship Missile - Short Range
  - ☐ 3. Prithvi Surface-to-Surface Missile
  - ☐ 4. Agni Ballistic Missile

**Q.16** Which major reform was aimed at redistributing land to the landless after independence?

- Ans**
- ☒ 1. Land Ceiling Acts
  - ☐ 2. Crop Insurance Scheme
  - ☐ 3. Green Revolution
  - ☐ 4. Agricultural Export Policy

**Q.17** Which island group lies to the south-east of the Indian mainland?

- Ans**
- ☐ 1. Agatti island
  - ☐ 2. Minicoy
  - ☒ 3. Andaman and Nicobar
  - ☐ 4. Lakshadweep

**Q.18** Akashteer, which is India's fully indigenous, automated Air Defence Control and Reporting System, that played a vital role during conflict with Pakistan in May 2025, was developed by which of the following organisations?

- Ans**
- ☐ 1. Defence Research and Development Organisation (DRDO)
  - ☐ 2. Hindustan Aeronautics Limited (HAL)
  - ☒ 3. Bharat Electronics Limited (BEL)
  - ☐ 4. Bharat Dynamics Ltd

**Q.19** Which of the following crops is grown in waterlogged conditions?

- Ans**
- ☐ 1. Maize
  - ☐ 2. Bajra
  - ☐ 3. Groundnut
  - ☒ 4. Rice

**Q.20** The Production Linked Incentive (PLI) scheme is aimed at boosting manufacturing. Which of the following sectors is NOT covered under the PLI scheme?

- Ans**
- ☐ 1. Pharmaceuticals
  - ☐ 2. Automobiles
  - ☒ 3. Tourism
  - ☐ 4. Electronics

**Q.21** What was the main objective of the Pitt's India Act of 1784, passed by the British Parliament?

- Ans**
- ☐ 1. Empower provincial councils
  - ☐ 2. Trade monopoly
  - ☐ 3. Abolish company rule
  - ☒ 4. Establish dual government

**Q.22** In 2025, on which date was the International Day for Biological Diversity observed globally?

- Ans**
- ☐ 1. 5 June
  - ☐ 2. 5 May
  - ☒ 3. 22 May
  - ☐ 4. 15 May

**Q.23** Rural electrification has been a longstanding priority to support livelihoods and education in villages. Which scheme aimed to achieve 100% household electrification in rural India?

- Ans**
- ☐ 1. Ujjwala Yojana
  - ☐ 2. Pradhan Mantri Gram Sadak Yojana
  - ☒ 3. Saubhagya Yojana
  - ☐ 4. Swabhimaan Scheme

**Q.24** Which of the following companies has launched a commercial space surveillance satellite named SCOT in March 2025?

- Ans**
- ☐ 1. Tata Advanced Systems
  - ☒ 2. Digantara
  - ☐ 3. Hindustan Aeronautics Limited
  - ☐ 4. Mahindra Aerospace

**Q.25** Who was assigned the portfolio of Health & Family Welfare, Transport, and Information Technology in the new Delhi cabinet formed in February 2025?

- Ans**
- ☒ 1. Pankaj Kumar Singh
  - ☐ 2. Ravinder Indraj Singh
  - ☐ 3. Ashish Sood
  - ☐ 4. Manjinder Singh Sirsa

**Q.26** How did Public Interest Litigation (PIL) emerge in India as a tool of judicial activism?

- Ans**
- ☐ 1. It originated under the 42<sup>nd</sup> Constitutional Amendment (1976).
  - ☐ 2. It was introduced by the Lok Adalat system in 2005.
  - ☒ 3. It began in 1979 when the Supreme Court allowed individuals to file cases for public interest.
  - ☐ 4. It was first used during the Emergency (1975-77).

**Q.27 Which government-owned organisation is primarily responsible for electricity transmission in India?**

- Ans**
- ☐ 1. National Thermal Power Corporation Limited
  - ☐ 2. Central Electricity Authority
  - ☐ 3. Bharat Heavy Electricals Limited
  - ☒ 4. Power Grid Corporation of India Limited

**Q.28 After deleting a file from a folder, a user realises that it was an important file. Which of the following steps should they follow to restore it?**

- Ans**
- ☐ 1. Press Ctrl + Z repeatedly until it reappears
  - ☐ 2. Restart the computer and the file will return
  - ☒ 3. Open Recycle Bin → Right-click the file → Click Restore
  - ☐ 4. Use Alt + Tab to recover the file

**Q.29 Which of the following organisations successfully conducted the first flight trial of a stratospheric airship platform at Sheopur, Madhya Pradesh, to enhance military surveillance capabilities?**

- Ans**
- ☐ 1. Bharat Electronics Limited (BEL)
  - ☐ 2. Hindustan Aeronautics Limited (HAL)
  - ☒ 3. Defence Research and Development Organisation (DRDO)
  - ☐ 4. Indian Space Research Organisation (ISRO)

**Q.30 The Northern Plains of India are primarily formed by the deposits of which rivers?**

- Ans**
- ☐ 1. Narmada and Tapi
  - ☒ 2. Ganga, Indus and Brahmaputra
  - ☐ 3. Yamuna and Chambal
  - ☐ 4. Krishna and Godavari

**Q.31 Which element from Group 17 is used to eliminate bacteria and viruses from surfaces, drinking water, sewage, industrial waste, and swimming pools and spas?**

- Ans**
- ☐ 1. Bromine
  - ☐ 2. Fluorine
  - ☐ 3. Iodine
  - ☒ 4. Chlorine

**Q.32 What was the key electoral innovation introduced in the 1909 Act?**

- Ans**
- ☒ 1. Separate electorates
  - ☐ 2. Proportional representation
  - ☐ 3. Voting rights for all
  - ☐ 4. Women's suffrage

**Q.33 Who among the following was the first Indian cricketer to receive the Padma Bhushan award?**

- Ans**
- ☒ 1. CK Nayudu
  - ☐ 2. Sunil Gavaskar
  - ☐ 3. Sachin Tendulkar
  - ☐ 4. Kapil Dev

**Q.34 The Congo River is the deepest river in the world. It is located on which continent?**

- Ans**
- ☐ 1. South America
  - ☐ 2. Europe
  - ☐ 3. Asia
  - ☒ 4. Africa

**Q.35** When was K Sanjay Murthy sworn in as the Comptroller and Auditor General (CAG) of India by the president of India?

- Ans**
- ☐ 1. April 2025
  - ☐ 2. December 2024
  - ☒ 3. November 2024
  - ☐ 4. February 2025

**Q.36** Which of the following features introduced by the 73<sup>rd</sup> Constitutional Amendment ensures the continuous functioning of Panchayati Raj Institutions (PRIs)?

- Ans**
- ☐ 1. Creation of Lok Adalats at Panchayat level
  - ☒ 2. Elections within six months of dissolution of a Panchayat
  - ☐ 3. Inclusion of Panchayati Raj in the Union List
  - ☐ 4. Provision for direct funding from the Union government

**Q.37** WHO member states reached a draft legally-binding pandemic preparedness pact on 16 April 2025, despite which major donor's withdrawal?

- Ans**
- ☒ 1. United States
  - ☐ 2. United Kingdom
  - ☐ 3. Germany
  - ☐ 4. Japan

**Q.38** What is the full form of the NAKSHA programme, the second phase of which was launched in 2025 by the Ministry of Rural Development?

- Ans**
- ☐ 1. New Analytical Knowledge for Housing Areas
  - ☒ 2. NAational geospatial Knowledge-based land Survey of urban HAbitations
  - ☐ 3. National Geo-based Urban Survey
  - ☐ 4. National Area Keeping Survey for Habitats

**Q.39** Reserve Bank of India advised all banks in india to commence the migration of their existing domains to the '.bank.in' domain and complete the process latest by \_\_\_\_\_.

- Ans**
- ☒ 1. 31 October 2025
  - ☐ 2. 31 December 2025
  - ☐ 3. 31 August 2025
  - ☐ 4. 31 March 2026

**Q.40** In accordance with the Modern Periodic Law, the characteristics of elements are periodic functions of their:

- Ans**
- ☒ 1. atomic number
  - ☐ 2. isotopic mass
  - ☐ 3. atomic weight
  - ☐ 4. atomic mass

#### Section : Mathematics

**Q.1** A bus travelling at 14 km/hr completes a journey in 20 hours. What should its speed be to cover the same distance in 5 hours?

- Ans**
- ☒ 1. 56 km/hr
  - ☐ 2. 53 km/hr
  - ☐ 3. 61 km/hr
  - ☐ 4. 63 km/hr

Q.2 The average of first 149 odd natural numbers, is:

- Ans
- ☐ 1. 149.5
  - ☐ 2. 150
  - ☒ 3. 149
  - ☐ 4. 148.5

Q.3 A sum of ₹2,500 amounts to ₹2,809 in 2 years at a certain rate of interest per annum, compounded annually. The rate of interest per annum is:

- Ans
- ☐ 1. 8%
  - ☒ 2. 6%
  - ☐ 3. 7%
  - ☐ 4. 3%

Q.4 The number 877217 is divisible by which of the following?

- Ans
- ☐ 1. 2
  - ☐ 2. 16
  - ☐ 3. 12
  - ☒ 4. 11

Q.5 The difference between a single discount of 52%, and two successive discounts of 35% and 4%, applied to a bill of ₹1,125, is \_\_\_\_\_.

- Ans
- ☒ 1. ₹162
  - ☐ 2. ₹152
  - ☐ 3. ₹132
  - ☐ 4. ₹144

Q.6 If the 6-digit number N51M54 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

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

Q.7 Two pipes can fill a cistern, individually, in 93 min and 31 min, respectively. There is a pipe located at the bottom of the cistern to empty it. If all the three pipes are opened simultaneously, then the empty cistern gets filled in 24 min. How long will the pipe at the bottom of the tank take to empty the completely filled cistern if no other pipe is then open?

- Ans
- ☐ 1. 730 min
  - ☒ 2. 744 min
  - ☐ 3. 784 min
  - ☐ 4. 761 min

Q.8 The height of a cylinder is 35 cm, and the radius of its circular base is 9 cm. Find its volume. (Take  $\pi = \frac{22}{7}$ .)

- Ans
- ☒ 1. 8910 cm<sup>3</sup>
  - ☐ 2. 8110 cm<sup>3</sup>
  - ☐ 3. 8900 cm<sup>3</sup>
  - ☐ 4. 8011 cm<sup>3</sup>

Q.9 In covering a distance of 56 km, Pranshu takes 3 hours more than Chandu. If Pranshu doubles his speed, he would take 4 hours less than Chandu. Pranshu's speed is:

- Ans
- ☐ 1. 8 km/hr
  - ☐ 2. 10 km/hr
  - ☒ 3. 4 km/hr
  - ☐ 4. 9 km/hr

Q.10 Find the mean proportional between 25 and 196.

- Ans
- ☐ 1. 68
  - ☐ 2. 73
  - ☐ 3. 67
  - ☒ 4. 70

Q.11 Find the value of:  $[167 \div \{17 + 4 \times (3 - 7)\}]$ .

- Ans
- ☒ 1. 167
  - ☐ 2. 166
  - ☐ 3. 172
  - ☐ 4. 164

Q.12 The current population of a town is 20,000. It increases by 30% and 50% in two successive years but decreases by 68% in the third year. What is the population of the town at the end of the third year?

- Ans
- ☒ 1. 12,480
  - ☐ 2. 12,485
  - ☐ 3. 12,481
  - ☐ 4. 12,475

Q.13

Simplify:  $2\left(\left(\frac{5}{2}\right)x^2 - 22x + 11\right) - 5(x^2 + 9x - 11)$

- Ans
- ☐ 1.  $89x - 77$
  - ☐ 2.  $89x + 77$
  - ☒ 3.  $-89x + 77$
  - ☐ 4.  $-89x - 77$

Q.14

If  $\sin\theta = x$ , then  $\frac{\sqrt{1+x}(\tan\theta)}{x} =$  \_\_\_\_\_.

- Ans
- ☒ 1.  $\frac{1}{\sqrt{1-x}}$
  - ☐ 2.  $\frac{1}{\sqrt{1+x}}$
  - ☐ 3.  $\sqrt{1-x}$
  - ☐ 4.  $\frac{1}{1-x^2}$



**Q.15** Nisha, Sameer, and Rupesh invest ₹1,730, ₹1,420, and ₹1,350 respectively to start a business. If the profit at the end of the year is ₹1,490, then what is the share of Rupesh in the profit?

- Ans**
- ☐ 1. ₹449
  - ☒ 2. ₹447
  - ☐ 3. ₹446
  - ☐ 4. ₹445

**Q.16** If the radius of the base of a right circular cylinder is decreased by 23% and its height is increased by 151%, then what is the percentage increase (closest integer) in its volume?

- Ans**
- ☐ 1. 20%
  - ☒ 2. 49%
  - ☐ 3. 66%
  - ☐ 4. 69%

**Q.17** If 2 times the age of Ram is 24 years more than 2 times the age of Ramya, and 4 times the age of Ramya is 3 years less than the age of Ram, then what is the difference (in years) between the ages of Ram and Ramya?

- Ans**
- ☐ 1. 15
  - ☒ 2. 12
  - ☐ 3. 11
  - ☐ 4. 9

**Q.18** The sum of two numbers is 78 and their L.C.M. is 180. What are the two numbers?

- Ans**
- ☐ 1. 58, 20
  - ☐ 2. 53, 25
  - ☒ 3. 60, 18
  - ☐ 4. 65, 13

**Q.19** Kunal and Abhishek start a business. Kunal invests ₹33,000 more than Abhishek for 7 months and Abhishek invests for 3 months. Kunal's share is ₹2,654 more than that of Abhishek, out of a total profit of ₹5,308. Find the capital contributed by Kunal.

- Ans**
- ☐ 1. ₹1,48,367
  - ☐ 2. ₹1,48,556
  - ☐ 3. ₹1,48,647
  - ☒ 4. ₹1,48,500

**Q.20** Two school bells ring at intervals of 36 minutes and 45 minutes. If both bells ring together at 9:00 a.m., when will they ring together again?

- Ans**
- ☐ 1. 1:12 p.m.
  - ☐ 2. 11:36 a.m.
  - ☒ 3. 12 noon
  - ☐ 4. 11:48 a.m.

**Q.21** Sapna invested ₹22,800 on simple interest, partly at 5% per annum and partly at 14% per annum. If she earns equal interests from the two investments after 4 years, then find the sum invested at 5% per annum (in ₹).

- Ans**
- ☐ 1. 16,798
  - ☐ 2. 16,799
  - ☒ 3. 16,800
  - ☐ 4. 16,801

Q.22 A shop offers 'Buy three for ₹6,000, get one free' for Dasara celebration, and also offers ₹600 cash back if a person pays in cash. What is the total percentage of discount offered for a customer who pays in cash?

- Ans
- ☐ 1. 25.5%
  - ☐ 2. 67.5%
  - ☐ 3. 33.33%
  - ☒ 4. 32.5%

Q.23 I bought two dresses for ₹1,200. I sold the first one at a loss of 9% and the second at a gain of 15%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first dress.

- Ans
- ☐ 1. 774
  - ☐ 2. 770
  - ☒ 3. 750
  - ☐ 4. 734

Q.24 The value of  $7^2 + \sqrt{2^2} - 8\sqrt{81} - 7$  is

- Ans
- ☐ 1. -19
  - ☐ 2. -27
  - ☒ 3. -28
  - ☐ 4. -26

Q.25 The interior angle between two adjacent sides of a regular  $n$ -sided polygon is \_\_\_\_\_ degrees.

- Ans
- ☐ 1.  $180 - \frac{90}{n}$
  - ☐ 2.  $180 - \frac{180}{n}$
  - ☒ 3.  $180 - \frac{360}{n}$
  - ☐ 4.  $90 - \frac{90}{n}$

Q.26 A can do a work in 9 days and B can do the same work in 21 days. If they work on it together for 2 days, then what fraction of the work is left?

- Ans
- ☐ 1.  $\frac{41}{63}$
  - ☐ 2.  $\frac{38}{63}$
  - ☒ 3.  $\frac{43}{63}$
  - ☐ 4.  $\frac{47}{63}$

Q.27 The product of two consecutive positive natural numbers is 110. The greater of the two numbers is:

- Ans
- ☐ 1. 7
  - ☐ 2. 5
  - ☒ 3. 11
  - ☐ 4. 3

Q.28

By how much is 65% of 75 greater than  $\frac{4}{5}$  of 25?

- Ans
- ☐ 1. 26.75
  - ☒ 2. 28.75
  - ☐ 3. 22.75
  - ☐ 4. 25.75

Q.29

By selling an article at  $\frac{4}{14}$  of its actual selling price, Hitesh incurs a loss of 15%.

If he sells it at 60% of its actual selling price, then the profit percentage is:

- Ans
- ☐ 1. 78.7%
  - ☐ 2. 77.5%
  - ☐ 3. 78.1%
  - ☒ 4. 78.5%

Q.30

The sum of five numbers is 655. The average of the first two numbers is 80, and the third number is 104. Find the average of the remaining two numbers.

- Ans
- ☐ 1. 185
  - ☐ 2. 184
  - ☐ 3. 196.5
  - ☒ 4. 195.5

Section : General Intelligence and Reasoning

Q.1

Yash ranked 34<sup>th</sup> from the top and 47<sup>th</sup> from the bottom in his class. How many students are there in his class?

- Ans
- ☐ 1. 81
  - ☐ 2. 79
  - ☒ 3. 80
  - ☐ 4. 82

Q.2

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

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

17, 36  
16, 34

- Ans
- ☐ 1. 53, 97
  - ☒ 2. 23, 48
  - ☐ 3. 12, 24
  - ☐ 4. 18, 39

Q.3

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

SOQ–NJL  
RNP–MIK

- Ans
- ☒ 1. CYA–XTV
  - ☐ 2. WRS–QMO
  - ☐ 3. WRS–RNP
  - ☐ 4. WSU–QNO

**Q.4** In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

**GAPS - SPGA - GPAS**  
**AUNT - TNAU - ANUT**

- Ans** ☒ 1. HAIR - RIHA - HIAR  
☐ 2. DINE - DNIE - ENID  
☐ 3. DIMS - IMDS - IMSD  
☐ 4. HALF - FLHA - ALHF

**Q.5** In a certain code language, 'USER' is coded as '4629' and 'LAST' is coded as '1354'. What is the code for 'S' in the given code language?

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

**Q.6** H, I, J, K, U, V and W are sitting around a circular table facing the centre of the table. Only two people sit between V and I when counted from the right of V. Only three people sit between H and J when counted from the right of J. I sits to the immediate right of J. W sits to the immediate right of K. Who sits fourth to the right of U?

- Ans** ☒ 1. W  
☐ 2. K  
☐ 3. H  
☐ 4. J

**Q.7** Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans** ☐ 1. MI-TX  
☐ 2. TP-AE  
☐ 3. JF-QU  
☒ 4. CY-JM

**Q.8** 47 people are standing in a row facing north. Suhana is 24<sup>th</sup> from the right end, while Bimla is 37<sup>th</sup> from the left end. How many people are there between Suhana and Bimla?

- Ans** ☒ 1. 12  
☐ 2. 13  
☐ 3. 11  
☐ 4. 10

**Q.9** If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$72 \times 6 \div 18 + 10 - 2 = ?$$

- Ans** ☒ 1. 10  
☐ 2. 18  
☐ 3. 12  
☐ 4. 5

Q.10 Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. Only two people sit to the right of K. Only two people sit between K and O. Only two people sit between I and N. N sits to the immediate left of K. L sits to the immediate right of M. Who sits at the third position from the left end of the line?

- Ans
- ☐ 1. I
  - ☐ 2. O
  - ☐ 3. L
  - ☒ 4. J

Q.11 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

All pages are crows.  
Some crows are remotes.

**Conclusion:**

(I): Some pages are remotes.  
(II): All crows are pages.

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

Q.12 In a certain code language,  
'A % B' means 'A is the daughter of B',  
'A = B' means 'A is the wife of B',  
'A ≠ B' means 'A is the father of B' and  
'A # B' means 'A is the brother of B'.

How is S related to T if 'S % M = A ≠ R # T'?

- Ans
- ☐ 1. Brother
  - ☐ 2. Father
  - ☐ 3. Mother
  - ☒ 4. Sister

Q.13 BYAZ is related to AXZY in a certain way based on the English alphabetical order. In the same way, CZBA is related to BYAZ. To which of the given options is SPRQ related, following the same logic?

- Ans
- ☐ 1. ROPP
  - ☐ 2. RNPP
  - ☒ 3. ROQP
  - ☐ 4. RPPW

Q.14 What should come in place of the question mark (?) in the given series based on the English alphabetical order?  
AFH LQS WBD HMO ?

- Ans
- ☒ 1. SXZ
  - ☐ 2. ZXS
  - ☐ 3. SZX
  - ☐ 4. ZSX

**Q.15** Kartik ranked 46<sup>th</sup> from the top and 19<sup>th</sup> from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 62
  - ☒ 2. 64
  - ☐ 3. 65
  - ☐ 4. 63

**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. MP-KO
  - ☐ 2. KN-IM
  - ☒ 3. GJ-EH
  - ☐ 4. OR-MQ

**Q.17** What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$22 \div 3 + 81 \times 9 - 12 = ?$$

- Ans**
- ☐ 1. 67
  - ☐ 2. 71
  - ☒ 3. 69
  - ☐ 4. 65

**Q.18** Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?

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

- Ans**
- ☐ 1. PJF
  - ☒ 2. HBW
  - ☐ 3. FZV
  - ☐ 4. WQM

**Q.19** In a certain code language, 'LISE' is coded as '0873' and 'SITE' is coded as '8763'. What is the code for 'T' in the given code language?

- Ans**
- ☐ 1. 7
  - ☐ 2. 8
  - ☐ 3. 3
  - ☒ 4. 6

**Q.20** Mr. Sol starts from Point A and drives 6 km towards the east. He then takes a right turn and drives 3 km, then turns right and drives 7 km. He then takes a right turn and drives 14 km. He takes a final right turn, drives 1 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ 1. 13 km to the north
  - ☐ 2. 11 km to the east
  - ☐ 3. 12 km to the south
  - ☒ 4. 11 km to the south

Q.21 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$91 \times 13 - 9 \div 8 + 18 = ?$$

- Ans
- ☐ 1. 63
  - ☐ 2. 59
  - ☐ 3. 65
  - ☒ 4. 61

Q.22 Each of the digits in the number 95423671 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

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

Q.23 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

Some bottle are plastic.

Some plastic are glass.

**Conclusions:**

(I): Some bottle are glass.

(II): All glass are plastic.

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

Q.24 What should come in place of the question mark (?) in the given series?

7 9 14 24 41 ?

- Ans
- ☐ 1. 75
  - ☐ 2. 78
  - ☐ 3. 71
  - ☒ 4. 67

Q.25 What should come in place of the question mark (?) in the given series?

1600, 2025, 2500, 3025, 3600, ?

- Ans
- ☐ 1. 3825
  - ☐ 2. 4025
  - ☒ 3. 4225
  - ☐ 4. 5625

Q.26 Rahul starts from Point A and drives 11 km towards North. He then takes a right turn, drives 7 km, turns right and drives 6 km. He then takes a left turn and drives 5 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

- Ans
- ☒ 1. 12 km towards West
  - ☐ 2. 12 km towards East
  - ☐ 3. 10 km towards South
  - ☐ 4. 10 km towards West

**Q.27** What should come in place of the question mark (?) in the given series based on the English alphabetical order?  
FTR KYW PDB UIG ?

- Ans**
- ☐ 1. ZNM
  - ☒ 2. ZNL
  - ☐ 3. YNL
  - ☐ 4. ZNO

**Q.28** This question is based on the five, three-digit numbers given below.

(Left) 438 345 367 353 276 (Right)

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

What will be the resultant if the third digit of the largest number is added to the second digit of smallest number?

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

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

25 40 58 79 103 ?

- Ans**
- ☐ 1. 115
  - ☐ 2. 125
  - ☒ 3. 130
  - ☐ 4. 120

**Q.30** Refer to the following number and symbol series and answer the question that follows.  
Counting to be done from left to right only.  
(NOTE: All numbers are single digit numbers only.)

(Left) % & 3 3 \$ 0 8  $\pi$  3  $\pi$  5 \* @ 1 5 2 # 7 3  $\pi$  9 (Right)

How many such numbers are there, which are immediately preceded by a symbol and also immediately followed by another symbol?

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