



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	09/09/2025
Test Time	12:45 PM - 2:15 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 The Tropic of Cancer passes through which two northeastern states of India?

- Ans**
- ☒ 1. Nagaland and Mizoram
 - ☒ 2. Tripura and Nagaland
 - ☒ 3. Tripura and Manipur
 - ☒ 4. Tripura and Mizoram

Q.2 Providing immediate assistance during a disaster is classified under which stage of disaster management?

- Ans**
- ☒ 1. Relief response
 - ☒ 2. Prevention
 - ☒ 3. Reconstruction
 - ☒ 4. Preparation

Q.3 The Advocates (Amendment) Bill, 2025, proposed which significant change to the legal profession?

- Ans**
- ☒ 1. Retirement age fixed at 60 for advocates
 - ☒ 2. Dissolution of Bar Council of India structure
 - ☒ 3. Recognising in-house counsel and corporate lawyers as "legal practitioners"
 - ☒ 4. Ban on entry of foreign law firms in India

Q.4 Which of the following is located in the northern part of the Eastern Ghats?

- Ans**
- ☒ 1. Mahendragiri hills
 - ☒ 2. Nilgiri hills
 - ☒ 3. Doddabetta hills
 - ☒ 4. Anaimalai hills

Q.5 Which of the following countries was elected as the President of the African-Asian Rural Development Organization for the Triennium 2025–2027 during its 21st General Session in February 2025?

- Ans**
- ☒ 1. India
 - ☒ 2. Bangladesh
 - ☒ 3. Egypt
 - ☒ 4. Indonesia

Q.6 Which state / union territory had the highest urbanisation in 2011, as per the Census of India data?

- Ans**
- ☒ 1. Delhi
 - ☐ 2. Meghalaya
 - ☐ 3. Assam
 - ☐ 4. Chandigarh

Q.7 Which Indian state is set to host the country's first AI-centric Special Economic Zone (SEZ)?

- Ans**
- ☐ 1. Maharashtra
 - ☐ 2. Tamil Nadu
 - ☐ 3. Karnataka
 - ☒ 4. Chhattisgarh

Q.8 Which of the following applications can help you NOT to create a file?

- Ans**
- ☐ 1. Paint
 - ☐ 2. Notepad
 - ☐ 3. MS-Word
 - ☒ 4. Windows Explorer

Q.9 The internal energy of gas is the _____.

- Ans**
- ☐ 1. only potential energies of its molecules when the box is at rest
 - ☐ 2. sum of rotational, vibrational and potential energies of its molecules when the box is at rest
 - ☒ 3. sum of kinetic and potential energies of its molecules when the box is at rest
 - ☐ 4. sum of translational, rotational and vibrational energies of its molecules when the box is at rest

Q.10 On which theme did the Reserve Bank of India (RBI) organise a conference for large-sized Non-Banking Financial Companies (NBFCs) in Chennai on 28 March 2025?

- Ans**
- ☒ 1. Shared Vision, Shared Responsibility: Strengthening the NBFCs
 - ☐ 2. Advancing the Digital Disruptions in NBFCs
 - ☐ 3. NBFCs: The Rise of the Indian Economy
 - ☐ 4. The Future of NBFC Unfolds

Q.11 Which Indian author won the Debut category at the KLF Book Awards in 2025 for 'The Many Lives of Syeda X'?

- Ans**
- ☐ 1. Anant Vijay
 - ☐ 2. Rohit Manchanda
 - ☒ 3. Neha Dixit
 - ☐ 4. Gautam Choubey

Q.12 What three-part economic strategy defined India's policy changes in the 1990s?

- Ans**
- ☒ 1. Liberalisation, Privatisation and Globalisation
 - ☐ 2. Urbanisation, Industrialisation and Digitalisation
 - ☐ 3. Nationalisation, Regulation and Protectionism
 - ☐ 4. Devolution, Decentralisation and Deregulation

Q.13 As of April 2025, under which pension scheme do the players who won silver or bronze medal in Asian or Commonwealth Games get a pension of ₹12,000 per month?

- Ans**
- ☐ 1. Panchayat Yuva Krida aur Khel Abhiyan
 - ☐ 2. Retired Sportsperson Empowerment Training Programme
 - ☒ 3. Sports Fund for Pension to Meritorious Sportspersons
 - ☐ 4. Pension to Meritorious Sportspersons

Q.14 Which legal authority gives statutory status to Lok Adalats in India?

- Ans**
- ☐ 1. The Arbitration and Conciliation Act
 - ☐ 2. The Civil Procedure Code
 - ☐ 3. The Indian Penal Code
 - ☒ 4. The Legal Services Authorities Act

Q.15 Which of the following styles of temple architecture is predominantly found in North India?

- Ans**
- ☒ 1. Nagara
 - ☐ 2. Dravidian
 - ☐ 3. Baroque
 - ☐ 4. Vesara

Q.16 Why is infrastructure referred to as the 'wheels' of economic growth?

- Ans**
- ☐ 1. It is part of international trade.
 - ☐ 2. It supports currency circulation.
 - ☒ 3. It enables delivery of goods, services and access.
 - ☐ 4. It helps in stabilising inflation.

Q.17 Which of the following Directive Principles reflects Gandhian ideology?

- Ans**
- ☐ 1. Equal pay for equal work
 - ☒ 2. Organisation of village panchayats
 - ☐ 3. Uniform civil code
 - ☐ 4. Separation of judiciary from the executive

Q.18 Rajendra Chola I is known for his naval expeditions on the revived Sri Vijaya empire of:

- Ans**
- ☒ 1. Indonesia
 - ☐ 2. Myanmar
 - ☐ 3. Sri Lanka
 - ☐ 4. Cambodia

Q.19 Which of the following events led to the division of the Indian National Congress into Moderates and Extremists in 1907?

- Ans**
- ☒ 1. Surat Session
 - ☐ 2. Arrival of Simon Commission
 - ☐ 3. Partition of Bengal
 - ☐ 4. Formation of Muslim League

Q.20 Which single-window telecom regulator's April 2025 consultation on satellite-based spectrum assignment complements India's 6G backhaul ambitions?

- Ans**
- ☒ 1. TRAI
 - ☐ 2. NIXI
 - ☐ 3. WPC
 - ☐ 4. NIC

Q.21 Which foreign ruler invaded India in 1739, leading to the massacre of Delhi and further weakening the Mughal Empire?

- Ans**
- ☐ 1. Sher Shah
 - ☐ 2. Ahmad Shah Abdali
 - ☒ 3. Nadir Shah
 - ☐ 4. Babur

Q.22 Which constitutional body is empowered to adjudicate legal disputes between the Centre and one or more states in India?

- Ans**
- ☒ 1. Supreme Court of India
 - ☐ 2. Inter-State Council
 - ☐ 3. Election Commission
 - ☐ 4. Finance Commission

Q.23 Human development emphasises enlarging people's choices by improving health, education, and income. Which global organisation publishes the Human Development Index (HDI)?

- Ans**
- ☒ 1. United Nations Development Programme
 - ☐ 2. International Monetary Fund
 - ☐ 3. World Bank
 - ☐ 4. World Economic Forum

Q.24 In May 2025, the central government extended the tenure of Central Bureau of Investigation (CBI) director Praveen Sood for a period of _____.

- Ans**
- ☐ 1. 6 months
 - ☐ 2. 3 months
 - ☐ 3. 2 years
 - ☒ 4. 1 year

Q.25 Who among the following has been re-elected as the President of Ecuador in May 2025?

- Ans**
- ☐ 1. Rafael Correa
 - ☐ 2. Lenin Moreno
 - ☒ 3. Daniel Noboa
 - ☐ 4. Guillermo Lasso

Q.26 Which Amendment is considered a near rewrite of the Constitution and made changes to the Preamble, Schedule VII and 53 Articles?

- Ans**
- ☒ 1. 42nd Amendment
 - ☐ 2. 38th Amendment
 - ☐ 3. 44th Amendment
 - ☐ 4. 86th Amendment

Q.27 Public health programmes enhance access to life-saving interventions and services. Which scheme aims to provide free health coverage to 50 crore beneficiaries in India?

- Ans**
- ☒ 1. Ayushman Bharat - PMJAY
 - ☐ 2. PM-KISAN
 - ☐ 3. National Rural Health Mission
 - ☐ 4. Ujjwala Yojana

Q.28 Sand dunes that form long ridges parallel to the coastline are most common _____.

- Ans**
- ☒ 1. along low sedimentary coasts
 - ☐ 2. in estuarine regions only
 - ☐ 3. along high rocky coasts
 - ☐ 4. along tectonic plate boundaries

Q.29 Which of the following institutes launched Bharat Cancer Genome Atlas in February 2025?

- Ans**
- ☐ 1. Indian Institute of Technology, Bombay
 - ☐ 2. Indian Institute of Technology, Gandhinagar
 - ☒ 3. Indian Institute of Technology, Madras
 - ☐ 4. Indian Institute of Technology, Delhi

Q.30 What is the direction of frictional force?

- Ans**
- ☐ 1. Along the normal to the contact surface
 - ☒ 2. Opposite to the direction of relative motion
 - ☐ 3. Perpendicular to the motion
 - ☐ 4. Same as the direction of applied force

Q.31 Which of the following major events followed the death of Potti Sreeramulu?

- Ans**
- ☐ 1. Creation of linguistic minorities commission
 - ☒ 2. Appointment of the States Reorganisation Commission
 - ☐ 3. Formation of the Planning Commission
 - ☐ 4. Formation of the Election Commission

Q.32 This freedom fighter did not share Gandhi's ideal of 'ahimsa' and 'satyagraha'. In 1941, he left his Calcutta home to Singapore via Germany and raised the Indian National Army. The leader in question is:

- Ans**
- ☒ 1. Subhash Chandra Bose
 - ☐ 2. Mohan Singh
 - ☐ 3. Jawaharlal Nehru
 - ☐ 4. Captain Laxmi

Q.33 Which Article of the Constitution of India deals with the post of the Governor?

- Ans**
- ☐ 1. Article 74
 - ☐ 2. Article 63
 - ☐ 3. Article 112
 - ☒ 4. Article 153

Q.34 Which Indian state hosted the International Millet Conference, 2025, to promote millet farming and trade?

- Ans**
- ☐ 1. Rajasthan
 - ☐ 2. Telangana
 - ☒ 3. Karnataka
 - ☐ 4. Odisha

Q.35 Which of the following is used to access programs, files and settings in Windows 7?

- Ans**
- ☐ 1. Taskbar
 - ☒ 2. Start Button
 - ☐ 3. Control Panel
 - ☐ 4. Notification Area

Q.36 Wet farming is least likely to be found among which the following Indian states?

- Ans**
- ☒ 1. Haryana
 - ☐ 2. Assam
 - ☐ 3. Manipur
 - ☐ 4. Tripura

Q.37 What is the name of the ancient Indian text on dramaturgy and theatre?

- Ans**
- ☐ 1. Arthashastra
 - ☐ 2. Manusmriti
 - ☐ 3. Rigveda
 - ☒ 4. Natya Shastra

Q.38 According to the Inter-Services Organisations (Command, Control and Discipline) Act, 2023—effective from May 2025—unified command authority has been granted over personnel from which branches of the Indian Armed Forces?

- Ans**
- ☐ 1. Navy and Air Force
 - ☐ 2. Army and Navy
 - ☐ 3. Army and Coast Guard
 - ☒ 4. Army, Navy, and Air Force

Q.39 The critical angle for diamond is approximately _____.

- Ans**
- ☐ 1. 45°
 - ☒ 2. 24.4°
 - ☐ 3. 60°
 - ☐ 4. 31.8°

Q.40 In which of the following states did the Defence Research and Development Organisation (DRDO) conduct the maiden flight-trials of the Stratospheric Airship Platform in May 2025?

- Ans**
- ☐ 1. Odisha
 - ☐ 2. Karnataka
 - ☐ 3. Punjab
 - ☒ 4. Madhya Pradesh

Section : Mathematics

Q.1 In covering a distance of 162 km, Anmol takes 3 hours more than Nikhil. If Anmol doubles his speed, then he would take 6 hours less than Nikhil. Anmol's speed is:

- Ans**
- ☒ 1. 9 km/hr
 - ☐ 2. 3 km/hr
 - ☐ 3. 5 km/hr
 - ☐ 4. 4 km/hr

Q.2 Given that $17^{0.24} = x$, $17^{0.51} = y$ and $x^z = y^4$, then the value of z is close to:

- Ans**
- ☒ 1. 8.5
 - ☐ 2. 8.9
 - ☐ 3. 10.44
 - ☐ 4. 8.58

Q.3 What is the median of the following data?

24, 30, 40, 80, 15, 57, 78, 82, 39, 97, 82

- Ans**
- ☒ 1. 57
 - ☐ 2. 58
 - ☐ 3. 56.5
 - ☐ 4. 57.5

Q.4 If the longest diagonal of a cube measures 15 cm, then what is the total surface area (in sq. cm) of the cube?

- Ans
- ☐ 1. 540 sq.cm
 - ☐ 2. $180\sqrt{3}$ sq.cm
 - ☒ 3. 450 sq.cm
 - ☐ 4. 337.50 sq.cm

Q.5 In a store, the price of a bicycle is ₹4,300, with a trade discount of 12%. What is the amount of the discount?

- Ans
- ☐ 1. ₹548
 - ☐ 2. ₹524
 - ☐ 3. ₹486
 - ☒ 4. ₹516

Q.6 The current population of a town is 16,362. It increases by 25% and 60% in two successive years but decreases by 50% in the third year. What is the population of the town at the end of the third year?

- Ans
- ☐ 1. 16,363
 - ☒ 2. 16,362
 - ☐ 3. 16,358
 - ☐ 4. 16,360

Q.7 Arun bought some pencils at the rate of ₹180 a dozen. He sold them for ₹18 each. His profit percentage is ____%.

- Ans
- ☒ 1. 20
 - ☐ 2. 18
 - ☐ 3. 22
 - ☐ 4. 24

Q.8 An amount of ₹552 is divided among three persons in the ratio of 19 : 11 : 18. The difference between the largest and the smallest shares (in ₹) in the distribution is:

- Ans
- ☐ 1. 5
 - ☐ 2. 105
 - ☒ 3. 92
 - ☐ 4. 12

Q.9 If $X = \frac{\sin^2\theta}{1 + \cos\theta} - \frac{\sin\theta}{\cot\theta - \operatorname{cosec}\theta}$, then the value of $(X - 1)$ is:

- Ans
- ☐ 1. $\cos^2\theta - \cot^2\theta$
 - ☐ 2. $\operatorname{cosec}^2\theta + \cot^2\theta$
 - ☒ 3. $\sec^2\theta - \tan^2\theta$
 - ☐ 4. $\sin^2\theta + \tan^2\theta$

Q.10 The value of $(3^0 + 3^{-2} + 3^{-1}) \times 27$ is ____.

- Ans
- ☒ 1. 39
 - ☐ 2. 3
 - ☐ 3. 23
 - ☐ 4. 32

Q.11 If the radius of the base of a right circular cylinder is decreased by 19% and its height is increased by 102%, then what is the percentage increase (closest integer) in its volume?

- Ans
- ☐ 1. 12%
 - ☒ 2. 33%
 - ☐ 3. 26%
 - ☐ 4. 14%

Q.12 A TV is listed at ₹80,000. A customer can either avail of a single discount of 28% or two successive discounts of 20% and 10%. Which discount option is better, and what is the monetary difference?

- Ans
- ☒ 1. Both the discount are the same ; ₹0
 - ☐ 2. Single discount of 28% ; ₹1,500
 - ☐ 3. Two successive discounts of 20% and 10% ; ₹1,600
 - ☐ 4. Single discount of 28% ; ₹1,005

Q.13 Which of the following ratios is the greatest?

- Ans
- ☐ 1. 38 : 83
 - ☐ 2. 35 : 77
 - ☐ 3. 47 : 67
 - ☒ 4. 50 : 62

Q.14 A can do a work in 12 days and B can do the same work in 21 days. If they work on it together for 3 days, then what fraction of the work is left?

- Ans
- ☐ 1. $\frac{25}{28}$
 - ☐ 2. $\frac{15}{28}$
 - ☒ 3. $\frac{17}{28}$
 - ☐ 4. $\frac{27}{28}$

Q.15 The average of first 166 even numbers is

- Ans
- ☐ 1. 168
 - ☒ 2. 167
 - ☐ 3. 166.5
 - ☐ 4. 167.5

Q.16 The value of $2^2 + \sqrt{8^2} - 3\sqrt{100} - 19$ is

- Ans
- ☐ 1. -44
 - ☒ 2. -37
 - ☐ 3. -45
 - ☐ 4. -28

Q.17 The sum of two numbers is 84 and their L.C.M. is 245. What are the two numbers?

- Ans
- ☒ 1. 49, 35
 - ☐ 2. 42, 42
 - ☐ 3. 54, 30
 - ☐ 4. 47, 37

Q.18

Simplify: $4\left(\left(\frac{5}{4}\right)x^2 - 25x + 19\right) - 5(x^2 + 5x - 14)$.

Ans

- ☐ 1. $-125x - 146$
- ☒ 2. $-125x + 146$
- ☐ 3. $125x + 146$
- ☐ 4. $125x - 146$

Q.19 ₹87,400 were divided among A, B and C, such that 4 times the share of A = 9 times the share of B = 3 times the share of C. Find the share of A.

Ans

- ☒ 1. ₹31,464
- ☐ 2. ₹31,278
- ☐ 3. ₹31,552
- ☐ 4. ₹31,576

Q.20 A man goes to Nagpur from Visakhapatnam at a speed of 24 km/hr and returns to Visakhapatnam at speed of 40 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

Ans

- ☐ 1. 25
- ☐ 2. 28
- ☐ 3. 29
- ☒ 4. 30

Q.21 Three pieces of timber that are 187 m, 102 m and 255 m long have to be divided into planks of the same length. What is the greatest possible length (in metres) of each plank?

Ans

- ☒ 1. 17
- ☐ 2. 19
- ☐ 3. 11
- ☐ 4. 13

Q.22 Four times the present age of P exceeds the present age of Q by 46 years. After 7 years, three times Q's age will be 41 years less than seven times P's age at that time. What is the present age (in years) of Q?

Ans

- ☐ 1. 53
- ☐ 2. 56
- ☒ 3. 54
- ☐ 4. 64

Q.23 What sum of money (in ₹) will amount to ₹2,160 at 5% per annum simple interest in 5 years?

Ans

- ☒ 1. ₹1,728
- ☐ 2. ₹8,640
- ☐ 3. ₹1,678
- ☐ 4. ₹1,778

Q.24 The value of $\sqrt{196} + \sqrt{0.0256} - \sqrt{7.29}$ is _____.

Ans

- ☐ 1. 9.2
- ☒ 2. 11.46
- ☐ 3. 12.2
- ☐ 4. 8.11

Q.25 The product of two positive numbers is 11045. If the first number is five times the second number, then the sum of the two numbers is:

- Ans**
- ☐ 1. 289
 - ☒ 2. 282
 - ☐ 3. 291
 - ☐ 4. 295

Q.26 A number, when increased by 60%, gives 3630. The number is:

- Ans**
- ☐ 1. 1134.375
 - ☐ 2. 6806.25
 - ☒ 3. 2268.75
 - ☐ 4. 4537.5

Q.27 A sum of money triples itself at a certain rate of compound interest in 12 years. In how many years will it amount to 27 times of itself?

- Ans**
- ☐ 1. 33 years
 - ☒ 2. 36 years
 - ☐ 3. 46 years
 - ☐ 4. 41 years

Q.28 By selling an article at $\frac{4}{13}$ of its actual selling price, Hitesh incurs a loss of 22%. If he sells it at 60% of its actual selling price, then the profit percentage is:

- Ans**
- ☒ 1. 52.1%
 - ☐ 2. 54.5%
 - ☐ 3. 53.9%
 - ☐ 4. 54.2%

Q.29 Let A and B be two regular polygons. The sum of the interior angles of A is 1260° . Each interior angle of B exceeds its exterior angle by 90° . Find the sum of the number of sides of A and B.

- Ans**
- ☐ 1. 15
 - ☒ 2. 17
 - ☐ 3. 18
 - ☐ 4. 19

Q.30 Pipe P can fill $\frac{2}{9}$ part of a tank in 20 hours, and pipe Q can fill $\frac{2}{5}$ part of the same tank in 18 hours.

Both P and Q were kept open for 3 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 4 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans**
- ☐ 1. 100 hours
 - ☒ 2. 120 hours
 - ☐ 3. 101 hours
 - ☐ 4. 134 hours

Section : General Intelligence and Reasoning

Q.1 AQWE is related to FVBJ in a certain way based on the English alphabetical order. In the same way, UKQY is related to ZPVD. To which of the following is JZFN related, following the same logic?

- Ans**
- ☒ 1. OEKS
 - ☐ 2. OKIU
 - ☐ 3. KIOP
 - ☐ 4. OKIT

Q.2 OWLS is related to TRPO in a certain way based on the English alphabetical order. In the same way, YMTK is related to DHXG. To which of the following is ICBC related, following the same logic?

- Ans**
- ☐ 1. OWGX
 - ☒ 2. NXFY
 - ☐ 3. NWEX
 - ☐ 4. MYEZ

Q.3 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. WA - SF
 - ☐ 2. DY - ZD
 - ☐ 3. ZG - VL
 - ☒ 4. ME - HJ

Q.4 If 1 is added for each odd digit and 1 is subtracted from each even digit of the number 86435621, how many digits are repeated more than once in the new number formed?

- Ans**
- ☐ 1. None
 - ☒ 2. One
 - ☐ 3. More than two
 - ☐ 4. Two

Q.5 Each of the digits in the number 6243514 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

- Ans**
- ☐ 1. 7
 - ☐ 2. 5
 - ☐ 3. 8
 - ☒ 4. 6

Q.6 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 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
21, 141

- Ans**
- ☐ 1. 25, 155
 - ☒ 2. 38, 158
 - ☐ 3. 12, 122
 - ☐ 4. 32, 162

Q.7 If 2 is added to each even digit and 3 is subtracted from each odd digit in the number 6325497, what will be the sum of the greatest and smallest digit in the number thus formed?

- Ans**
- ☐ 1. 6
 - ☐ 2. 10
 - ☒ 3. 8
 - ☐ 4. 12

Q.8 Aditya ranked 19th from the top and 29th from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 46
 - ☐ 2. 48
 - ☒ 3. 47
 - ☐ 4. 49

Q.9 A is the mother of G. G is the father of D. D is the son of T. Y is the father of T. How is A related to Y?

- Ans**
- ☐ 1. Daughter's husband's sister
 - ☐ 2. Husband's mother
 - ☐ 3. Husband's sister
 - ☒ 4. Daughter's husband's mother

Q.10 What should come in place of the question mark (?) in the given series?

9 25 50 82 123 ?

- Ans**
- ☐ 1. 117
 - ☐ 2. 127
 - ☒ 3. 171
 - ☐ 4. 172

Q.11 In a certain code language, 'BEST' is coded as '5237' and 'SINK' is coded as '6142'. What is the code for 'S' in the given code language?

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

Q.12 Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. No one sits to the left of O. Only four people sit between O and I. Only three people sit to the right of K. J sits to the immediate left of N. L is not an immediate neighbour of K. Who sits at the rightmost end of the line?

- Ans**
- ☒ 1. L
 - ☐ 2. I
 - ☐ 3. K
 - ☐ 4. N

Q.13 XSLE is related to AWOI in a certain way based on the English alphabetical order. In the same way, JIXU is related to MMAY. To which of the following options is SUGG related, following the same logic?

- Ans**
- ☒ 1. VYJK
 - ☐ 2. VIKU
 - ☐ 3. VJKU
 - ☐ 4. VYKI

Q.14 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

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

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

- Ans**
- ☐ 1. None
 - ☒ 2. More than two
 - ☐ 3. Two
 - ☐ 4. One

Q.15 In a certain code language, 'WANT' is coded as '3517' and 'TIDE' is coded as '2146'.
What is the code for 'T' in the given code language?

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

Q.16 What should come in place of the question mark (?) in the given series?
97, 101, 110, 126, 151, ?

- Ans**
- ☐ 1. 178
 - ☐ 2. 186
 - ☐ 3. 185
 - ☒ 4. 187

Q.17 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

WGO GRA QCM ANY ?

- Ans**
- ☐ 1. KUK
 - ☐ 2. YKK
 - ☒ 3. KYK
 - ☐ 4. KKY

Q.18 Manoj starts from Point A and drives 11 km towards the south. He then takes a right turn and drives 7 km, then turns right and drives 13 km. He then takes a right turn and drives 12 km. He takes a final right turn, drives 2 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. 4 km to the west
 - ☐ 2. 5 km to the east
 - ☒ 3. 5 km to the west
 - ☐ 4. 4 km to the east

Q.19 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. TWZ
 - ☒ 2. LQR
 - ☐ 3. YBE
 - ☐ 4. PSV

Q.20 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 chairs are papers.
No chair is a desk.

Conclusions:

(I): No paper is a desk.
(II): All papers are chairs.

- Ans**
- ☒ 1. Only Conclusion II follows
 - ☒ 2. Neither Conclusion I nor II follows
 - ☒ 3. Both Conclusions I and II follow
 - ☒ 4. Only Conclusion I follows

Q.21 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 6531874, what will be the sum of the digits which are second from the left and second from the right in the new number thus formed?

- Ans**
- ☒ 1. 15
 - ☒ 2. 16
 - ☒ 3. 14
 - ☒ 4. 12

Q.22 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) @ 8 < 8 @ < 3 ^ # + \$ 6 2 ^ 1 ^ > \$ (Right)

If all the numbers are dropped from the series, which of the following will be seventh from the left?

- Ans**
- ☒ 1. #
 - ☒ 2. >
 - ☒ 3. @
 - ☒ 4. +

Q.23 What should come in place of ? in the given series based on the English alphabetical order?

RTM PRK NPI LNG ?

- Ans**
- ☒ 1. JKF
 - ☒ 2. JLF
 - ☒ 3. JLE
 - ☒ 4. JKE

Q.24 Jwalith starts from Point Y and drives 25 km towards south. He then takes a left turn, drives 10 km. He then turns left and drives 25 km. He takes a final left turn, drives 7 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only unless specified)

- Ans**
- ☒ 1. 3 km towards west
 - ☒ 2. 6 km towards east
 - ☒ 3. 25 km towards south
 - ☒ 4. 7 km towards north

Q.25 Six people, A, B, C, D, E and F are sitting in a row, facing the north. Only two people are sitting to the right of C. A is sitting second to the left of D. B is sitting to the immediate right of A. F is sitting second to the right of D. Who is sitting second to the left of E?

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

Q.26 All 93 students in a class are standing in a row facing north. Veer is 48th from the right end while Kabir is 33rd from the left end. How many people stand between Veer and Kabir?

- Ans
- ☐ 1. 11
 - ☒ 2. 12
 - ☐ 3. 14
 - ☐ 4. 13

Q.27 Seven boxes R, S, T, U, V, W and Z are kept one over the other, but not necessarily in the same order. Z is kept immediately above S. V is kept immediately above T. Only U is kept above W. Only two boxes are kept above Z. V is not kept at the third position from the bottom. How many boxes are kept between R and U?

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

Q.28 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. HF-DB
 - ☐ 2. DB-ZX
 - ☐ 3. VT-RP
 - ☒ 4. OM-JK

Q.29 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 pins are bugs. All pins are rulers.

Conclusions (I): Some bugs are rulers.

Conclusions (II): All rulers are pins.

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

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

1091 1092 1096 1105 1121 ?

- Ans
- ☒ 1. 1146
 - ☐ 2. 1136
 - ☐ 3. 1131
 - ☐ 4. 1141