



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	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 Which Act created the post of the Governor-General of Bengal?

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

Q.2 Which global chip-design conference, returning to San Francisco in June 2025, for its 62nd edition, announced a GenAI Chip Hackathon?

- Ans**
- ☐ 1. ICCAD
 - ☒ 2. DAC
 - ☐ 3. ISSCC
 - ☐ 4. Hot Chips

Q.3 At the time of independence, which sector contributed the largest share to India's national income?

- Ans**
- ☐ 1. Trade
 - ☐ 2. Industry
 - ☐ 3. Service
 - ☒ 4. Agriculture

Q.4 What is the primary aim of the 'Pradhan Mantri Ujjwala Yojana'?

- Ans**
- ☐ 1. Providing free education to girls
 - ☒ 2. Providing LPG connections to women
 - ☐ 3. Providing employment in rural areas
 - ☐ 4. Providing mobile phones to rural households

Q.5 During the colonial period in India, which social reformer worked for widow remarriage and against child marriage in Bengal?

- Ans**
- ☒ 1. Ishwar Chandra Vidyasagar
 - ☐ 2. Swami Vivekananda
 - ☐ 3. Jyotiba Phule
 - ☐ 4. Syed Ahmed Khan

Q.6 Which resilient and adaptable polymer is frequently found in industrial brushes, toothbrushes, and other cleaning supplies?

- Ans**
- ☐ 1. Neoprene
 - ☐ 2. Terylene
 - ☐ 3. Teflon
 - ☒ 4. Nylon 6, 6

Q.7 Who became the first athlete to break a national record at the Khelo India Para Games 2025 by lifting 101 kg in the 45 kg category powerlifting in March 2025?

- Ans**
- ☐ 1. Khushboo Gill
 - ☐ 2. Sonam Patil
 - ☐ 3. Kavipriya Raja
 - ☒ 4. Jaspreet Kaur

Q.8 Who was the Union Home Minister of India as of June 2025, following the general elections?

- Ans**
- ☐ 1. Nirmala Sitharaman
 - ☐ 2. Rajnath Singh
 - ☒ 3. Amit Shah
 - ☐ 4. Piyush Goyal

Q.9 A significant river of the Indian Desert, Luni originates from western slopes of the Aravalli ranges near which place in Rajasthan?

- Ans**
- ☐ 1. Udaipur
 - ☐ 2. Rajsamand
 - ☐ 3. Sirohi
 - ☒ 4. Ajmer

Q.10 Which stone was mainly utilised in building the Chennakeshava Temple in Belur, India?

- Ans**
- ☒ 1. Soapstone
 - ☐ 2. Marble
 - ☐ 3. Sandstone
 - ☐ 4. Granite

Q.11 Which of the following regional film industries is based in Chennai and produces movies in the Tamil language?

- Ans**
- ☐ 1. Bollywood
 - ☐ 2. Mollywood
 - ☒ 3. Kollywood
 - ☐ 4. Tollywood

Q.12 Which of the following allows users to delete a file using the mouse?

- Ans**
- ☐ 1. Copy the file
 - ☒ 2. Drag it to the Recycle Bin
 - ☐ 3. Left-click the file
 - ☐ 4. Minimize the window

Q.13 Which of the following Parliamentary Committees of India is considered a 'Financial Committee'?

- Ans**
- ☐ 1. Committee on Welfare of SCs and STs
 - ☐ 2. Committee on Petitions
 - ☐ 3. Committee on Privileges
 - ☒ 4. Estimates Committee

Q.14 In how many assembly constituencies were the Delhi Assembly elections held on 5 February 2025?

- Ans**
- ☐ 1. 62
 - ☒ 2. 70
 - ☐ 3. 78
 - ☐ 4. 55

Q.15 Which 18th-century revolt was led by Raja Chait Singh against British interference in the Benares region in 1781?

- Ans**
- ☐ 1. Chuar Revolt
 - ☐ 2. Kol Revolt
 - ☒ 3. Benares Revolt
 - ☐ 4. Santhal Revolt

Q.16 Which of the following is a characteristic feature of subsistence farming?

- Ans**
- ☐ 1. Use of modern irrigation techniques
 - ☐ 2. Use of high-yielding varieties
 - ☒ 3. Farming for family consumption
 - ☐ 4. Commercial crop production

Q.17 Which of the following was the official theme for World Meteorological Day celebrated on 23 March 2025?

- Ans**
- ☒ 1. Closing the Early Warning Gap Together
 - ☐ 2. Weather-Ready, Climate-Smart
 - ☐ 3. Investing in Weather and Climate Services
 - ☐ 4. Climate Knowledge for Climate Action

Q.18 The Nizam of Hyderabad accepted British subsidiary alliance under _____.

- Ans**
- ☐ 1. Sir John Shore
 - ☐ 2. Lord Hastings
 - ☐ 3. Lord Cornwallis
 - ☒ 4. Lord Wellesley

Q.19 In which border areas did India and China agree on patrolling arrangements along the Line of Actual Control on 21 October 2024?

- Ans**
- ☐ 1. Puga and Chumathang
 - ☐ 2. Rudok and Guge
 - ☒ 3. Depsang and Demchok
 - ☐ 4. Aksai and Lingzi Thang

Q.20 Which Indian state hosted the 38th edition of the National Games in early 2025?

- Ans**
- ☐ 1. Gujarat
 - ☐ 2. Goa
 - ☒ 3. Uttarakhand
 - ☐ 4. Kerala

Q.21 If an object moves up to four times faster than the speed of sound, the condition is called:

- Ans**
- ☐ 1. subsonic
 - ☐ 2. hypersonic
 - ☒ 3. supersonic
 - ☐ 4. transonic

Q.22 The Faraizi Movement, led by Haji Shariatullah, focused on religious purification and resisting the British in which region?

- Ans**
- ☐ 1. Punjab
 - ☐ 2. Gujarat
 - ☐ 3. Delhi
 - ☒ 4. Bengal

Q.23 In 2025, the Federation of Indian Associations (FIA) elected Hemant Patel as President for the 2025–2026 term. Where is this organisation based?

- Ans**
- ☐ 1. London, UK
 - ☐ 2. New Delhi, India
 - ☒ 3. Chicago, USA
 - ☐ 4. Toronto, Canada

Q.24 According to the Brønsted-Lowry theory, which of the following defines an acid?

- Ans**
- ☒ 1. Donates a proton
 - ☐ 2. Donates a hydroxide ion
 - ☐ 3. Accepts a proton
 - ☐ 4. Accepts an electron pair

Q.25 The Convention on Biological Diversity (CBD) was a result of which global conference?

- Ans**
- ☒ 1. Earth Summit, 1992
 - ☐ 2. Stockholm Conference
 - ☐ 3. Paris Agreement
 - ☐ 4. Kyoto Conference

Q.26 In 2025, what does the abbreviation NGLV stand for in ISRO's latest rocket programme?

- Ans**
- ☐ 1. New Generation Lunar Vehicle
 - ☒ 2. Next Generation Launch Vehicle
 - ☐ 3. Nuclear Geo Launch Vehicle
 - ☐ 4. National Geo Lander Vehicle

Q.27 In May 2025, ISRO's Aditya-L1 mission released its first set of scientific data. What is the primary objective of this mission?

- Ans**
- ☒ 1. Observe the Sun's outermost layer
 - ☐ 2. Study Mars' atmosphere
 - ☐ 3. Explore the Moon's surface
 - ☐ 4. Investigate deep space phenomena

Q.28 Which type of memory loses all its stored data when the power is turned off?

- Ans**
- ☐ 1. ROM
 - ☒ 2. RAM
 - ☐ 3. USB flash drive
 - ☐ 4. Hard disk drive

Q.29 What is the main reason behind the formation of lagoons along the Eastern Coastal Plains?

- Ans**
- ☐ 1. Sand deposition along the shallow coastlines
 - ☐ 2. Tectonic activity and fault line shifts
 - ☐ 3. Coral reef development and volcanic islands
 - ☒ 4. Deposition by rivers and wave action along the coast

Q.30 Which scheme has been launched by the Chief Minister of Kerala in May 2025 to educate migrant children?

- Ans**
- ☐ 1. Usha
 - ☐ 2. Pratibha
 - ☐ 3. Gargi
 - ☒ 4. Jyothi

Q.31 Which of the following is INCORRECT about the Harappans?

- Ans**
- ☐ 1. The most favoured ornaments were beads of carnelian.
 - ☐ 2. They exported ornaments, timber, some objects of daily use.
 - ☐ 3. The Harappans were engaged in active trade.
 - ☒ 4. The Harappans used only gold to make tools, pots and pans.

Q.32 Which of the following is a shallow desert depression formed by wind erosion?

- Ans**
- ☐ 1. Pediment
 - ☒ 2. Deflation hollow
 - ☐ 3. Playa
 - ☐ 4. Inselberg

Q.33 Privatisation aims to improve _____ in public enterprises.

- Ans**
- ☒ 1. operational efficiency and competitiveness
 - ☐ 2. government expenditure
 - ☐ 3. bureaucratic control
 - ☐ 4. political influence

Q.34 The Rihand Hydroelectric Project is located in which district of Uttar Pradesh?

- Ans**
- ☐ 1. Guna
 - ☒ 2. Sonbhadra
 - ☐ 3. Robertsganj
 - ☐ 4. Saharanpur

Q.35 Which of the following communities may apply for Indian citizenship after just 6 years of residence, as per the Citizenship (Amendment) Act, 2019?

- Ans**
- ☐ 1. Buddhists from Nepal
 - ☒ 2. Sikhs from Pakistan
 - ☐ 3. Jews from Israel
 - ☐ 4. Hindus from Sri Lanka

Q.36 Which city hosted the opening ceremony of the 2025 National Games?

- Ans**
- ☐ 1. Haridwar
 - ☒ 2. Dehradun
 - ☐ 3. Patna
 - ☐ 4. Nainital

Q.37 President Murmu went to which country in April 2025 to represent India at the funeral of Pope Francis?

- Ans**
- ☒ 1. Vatican City
 - ☐ 2. Italy
 - ☐ 3. France
 - ☐ 4. Germany

Q.38 Which of the following is an example of soft infrastructure?

- Ans**
- ☐ 1. Water pipelines
 - ☒ 2. Public education
 - ☐ 3. Bridges
 - ☐ 4. Airports

Q.39 Which of the following statements regarding the estimation of India's national and per capita income during the colonial rule is correct?

- Ans**
- ☒ 1. The colonial government never made any sincere attempt to estimate India's national and per capita income.
 - ☐ 2. The colonial government estimated India's national and per capita income sincerely every year.
 - ☐ 3. The colonial government estimated India's per capita income but ignored national income.
 - ☐ 4. The colonial government estimated India's national income but ignored per capita income.

Q.40 Under which of the following conditions is a Tribal Advisory Council (TAC) established in a State?

- Ans**
- ☐ 1. When the tribal population exceeds 10%
 - ☐ 2. When the tribal population exceeds 50%
 - ☐ 3. If the State has any forest area
 - ☒ 4. If there is at least one Scheduled Tribe

Section : Mathematics

Q.1 The sum of two numbers is 57 and their L.C.M. is 812. What are the two numbers?

- Ans**
- ☐ 1. 21, 36
 - ☐ 2. 26, 31
 - ☒ 3. 28, 29
 - ☐ 4. 33, 24

Q.2 The greatest number that divides 131, 91, and 215, leaving remainders 8, 9, and 10 respectively, is:

- Ans**
- ☐ 1. 37
 - ☐ 2. 61
 - ☐ 3. 57
 - ☒ 4. 41

Q.3 By selling an article at $\frac{2}{5}$ of its actual selling price, Nirbhay incurs a loss of 26%.

If he sells it at 84% of its actual selling price, then the profit percentage is:

- Ans**
- ☐ 1. 56.7%
 - ☐ 2. 57.8%
 - ☒ 3. 55.4%
 - ☐ 4. 55.6%

Q.4 A man goes to Nagpur from Visakhapatnam at a speed of 55 km/hr and returns to Visakhapatnam at speed of 66 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans**
- ☐ 1. 58
 - ☒ 2. 60
 - ☐ 3. 63
 - ☐ 4. 55

Q.5 The sum of five numbers is 655. The average of the first two numbers is 80 and the third number is 101. Find the average of the remaining two numbers.

- Ans
- ☐ 1. 198
 - ☐ 2. 182
 - ☐ 3. 181
 - ☒ 4. 197

Q.6 Given that $58^{0.5} = x$, $58^{0.79} = y$ and $x^z = y^{10}$, then the value of z is close to:

- Ans
- ☐ 1. 15.54
 - ☐ 2. 18.48
 - ☐ 3. 16.7
 - ☒ 4. 15.8

Q.7 Pallavi bought a toy for ₹740, decorated it at a cost of ₹16 and sold the toy for ₹558. Find the loss or profit percentage.

- Ans
- ☐ 1. 550 % loss
 - ☐ 2. $\frac{560}{21}$ % profit
 - ☐ 3. $\frac{550}{21}$ % profit
 - ☒ 4. $\frac{550}{21}$ % loss

Q.8 A number when increased by 80% gives 2790. The number is:

- Ans
- ☐ 1. 3100
 - ☐ 2. 775
 - ☒ 3. 1550
 - ☐ 4. 4650

Q.9 Rahul buys a box of pens (listed price of ₹900) with a trade discount of 30%. What is the net price?

- Ans
- ☐ 1. ₹600
 - ☐ 2. ₹700
 - ☐ 3. ₹750
 - ☒ 4. ₹630

Q.10 A cylindrical rod has an outer curved surface area of 3300 cm^2 . If the length of the rod is 72 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

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

- Ans
- ☐ 1. 7.36
 - ☒ 2. 7.29
 - ☐ 3. 6.37
 - ☐ 4. 8.31

Q.11 Which of the following numbers divides 4,81,355?

- Ans
- ☐ 1. 3
 - ☐ 2. 15
 - ☒ 3. 5
 - ☐ 4. 6

Q.12 A regular polygon has 30 sides. Find the measure of one interior angle.

- Ans
- ☒ 1. 168°
 - ☐ 2. 128°
 - ☐ 3. 48°
 - ☐ 4. 12°

Q.13 A shopkeeper marked the price of a table as ₹1,400 and offered two successive discounts, one of which is 12%. If a customer pays ₹1,133.44 for the table, then what was the second discount percentage offered?

- Ans
- ☐ 1. 10%
 - ☒ 2. 8%
 - ☐ 3. 15 %
 - ☐ 4. 5%

Q.14 Find the value of $\sin(90 - x) \cos(180 - (x - y)) + \cos(90 - x) \sin(180 - (y - x))$.

- Ans
- ☐ 1. $\sin y$
 - ☐ 2. $\cos y$
 - ☒ 3. $-\cos y$
 - ☐ 4. $-\sin y$

Q.15 If the third proportional of 81 and 27 is x, then what is the value of x?

- Ans
- ☐ 1. 6
 - ☒ 2. 9
 - ☐ 3. 11
 - ☐ 4. 7

Q.16 The current population of a town is 12,014. 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. 12,014
 - ☐ 2. 12,015
 - ☐ 3. 12,019
 - ☐ 4. 12,013

Q.17 Evaluate: $(-9) - (-60) \div (-10) + (-3) \times 6$

- Ans
- ☐ 1. -36
 - ☒ 2. -33
 - ☐ 3. -35
 - ☐ 4. -32

Q.18 Ritik and Sanjay together invested ₹79,200 in a business. At the end of the year, out of a total profit of ₹16,500, Sanjay's share was ₹3,600. What was the difference between their investments?

- Ans
- ☐ 1. ₹42,824
 - ☒ 2. ₹44,640
 - ☐ 3. ₹46,400
 - ☐ 4. ₹42,889

Q.19 The average weight of Vipul, Mohan and Mohammad is 45 kg. If the average weight of Vipul and Mohan is 43 kg and that of Mohan and Mohammad is 50 kg, then the weight of Mohan (in kg) is:

- Ans
- ☐ 1. 66
 - ☐ 2. 61
 - ☒ 3. 51
 - ☐ 4. 71

Q.20 A train with a length of 195 m overtakes a man moving at a speed of 5 km/hr (in the same direction) in 13 seconds. How much time (in seconds) will it take this train to completely cross another train that is 255 m long, moving in the opposite direction at a speed of 76 km/hr?

- Ans
- ☐ 1. 13
 - ☐ 2. 31
 - ☐ 3. 32
 - ☒ 4. 12

Q.21 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month for 11 months.

- Ans
- ☐ 1. ₹53
 - ☒ 2. ₹396
 - ☐ 3. ₹66
 - ☐ 4. ₹33

Q.22 The sum of the squares of two consecutive odd natural numbers is 394. The sum of the numbers is:

- Ans
- ☐ 1. 24
 - ☐ 2. 22
 - ☐ 3. 32
 - ☒ 4. 28

Q.23 Pipe P can fill $\frac{5}{7}$ part of a tank in 30 hours, and pipe Q can fill $\frac{2}{5}$ part of the same tank in 28 hours.

Both P and Q were kept open for 7 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans
- ☒ 1. 210 hours
 - ☐ 2. 204 hours
 - ☐ 3. 222 hours
 - ☐ 4. 214 hours

Q.24 A can do a work in 10 days and B can do the same work in 20 days. If they work on it together for 6 days, then what fraction of the work is left?

- Ans
- ☐ 1. $\frac{11}{10}$
 - ☐ 2. $\frac{7}{10}$
 - ☒ 3. $\frac{1}{10}$
 - ☐ 4. $\frac{3}{10}$

Q.25 P, Q and R invested a sum in the ratio of 34 : 75 : 6, respectively. If they earned a total profit of ₹3,600 at the end of the year, what is the difference between the shares of Q and R?

- Ans**
- ☐ 1. ₹2,109
 - ☐ 2. ₹2,316
 - ☐ 3. ₹2,264
 - ☒ 4. ₹2,160

Q.26 Seven times the present age of P exceeds the present age of Q by 46 years. After 8 years, six times Q's age will be 24 years less than six times P's age at that time. What is the present age (in years) of Q?

- Ans**
- ☐ 1. 11
 - ☐ 2. 12
 - ☐ 3. 5
 - ☒ 4. 3

Q.27 The area of a triangle is 1080 cm^2 and its sides are in the ratio 5 : 12 : 13. The perimeter of the triangle is:

- Ans**
- ☐ 1. 210 cm
 - ☒ 2. 180 cm
 - ☐ 3. 150 cm
 - ☐ 4. 120 cm

Q.28 Find the simple interest (in ₹) on ₹4,000 at 6.75% per annum rate of interest deposited on 22 February 2024 and withdrawn on 23 April 2024.

- Ans**
- ☐ 1. ₹44
 - ☐ 2. ₹43
 - ☐ 3. ₹46
 - ☒ 4. ₹45

Q.29 Simplify the given expression.

$$x(3x - 5) + 5(x^2 - 3) + 16$$

- Ans**
- ☐ 1. $8x^2 - 5x - 1$
 - ☒ 2. $8x^2 - 5x + 1$
 - ☐ 3. $8x^2 - 5x - 1$
 - ☐ 4. $-8x^2 - 5x - 1$

Q.30 What smallest number should be added to 91673 so that the sum is completely divisible by 88?

- Ans**
- ☐ 1. 24
 - ☐ 2. 21
 - ☒ 3. 23
 - ☐ 4. 26

Q.1 If '+' means 'subtraction', '-' means 'multiplication', 'x' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$12 + 105 \times 3 \div 14 - 3 = ?$$

- Ans
- ☐ 1. 30
 - ☒ 2. 19
 - ☐ 3. 23
 - ☐ 4. 27

Q.2 In a certain code language, 'PEST' is coded as '6324' and 'PENS' is coded as '8634'. What is the code for 'N' in the given code language?

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

Q.3 LGEI is related to RMKO in a certain way based on the English alphabetical order. In the same way, JECG is related to PKIM. To which of the given options is HCAE related, following the same logic?

- Ans
- ☐ 1. INKG
 - ☐ 2. NIKG
 - ☐ 3. INGK
 - ☒ 4. NIGK

Q.4 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. NJL
 - ☐ 2. LHJ
 - ☒ 3. TPS
 - ☐ 4. QMO

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

670 669 661 634 570 ?

- Ans
- ☐ 1. 441
 - ☒ 2. 445
 - ☐ 3. 440
 - ☐ 4. 447

Q.6 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

Some woods are chisels.
Some chisels are graphs.

Conclusions:

- (I) Some woods are graphs.
(II) All graphs are chisels.

- 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.7 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow(s) from the given statements

Statements:

Some nuts are berries.

All fruits are berries.

Conclusions (I): Some nuts are fruits.

Conclusions (II): All berries are fruits.

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

Q.8 Binoy starts from Point Y and drives 16 km towards the north. He then takes a right turn and drives 43 km, then turns right and drives 38 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 22 km and stops 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. 31 km towards the south
 - ☒ 2. 24 km towards the west
 - ☐ 3. 29 km towards the east
 - ☐ 4. 22 km towards the east

Q.9 In a certain code language, 'GUNS' is coded as '7642' and 'STUN' is coded as '2364'. What is the code for 'T' in the given code language?

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

Q.10 DUMB is related to TMCT in a certain way based on the English alphabetical order. In the same way, POYV is related to FGON. To which of the given options is LQUX related, following the same logic?

- Ans**
- ☐ 1. BIPL
 - ☐ 2. BPKI
 - ☐ 3. BIPK
 - ☒ 4. BIKP

Q.11 Seven boxes F, G, H, M, N, O and P are kept one over the other but not necessarily in the same order.

Only two boxes are kept below O. Only one box is kept above N. Only one box is kept between N and H. G is kept immediately above M. F is kept at some place below P. How many boxes are kept between P and G?

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

Q.12 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. BX – HK
 - ☐ 2. GC – MP
 - ☒ 3. TP – ZD
 - ☐ 4. XT – DG

Q.13 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GLE25 HMF36 ING47 JOH58 ?

- Ans**
- ☐ 1. KPJ68
 - ☐ 2. KPI68
 - ☐ 3. KPJ69
 - ☒ 4. KPI69

Q.14 L, M, N, O, Q, R and S are sitting around a circular table facing the centre of the table. Only one person sits between N and Q when counted from the left of Q. S sits third to the right of R. L sits third to the left of M. S sits to the immediate right of L. O is not an immediate neighbour of L. How many people sit between O and Q when counted from the right of O?

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

Q.15 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

130, 26
225, 45

- Ans**
- ☐ 1. 155, 30
 - ☒ 2. 160, 32
 - ☐ 3. 200, 42
 - ☐ 4. 185, 36

Q.16 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VKQ 142, ZPU 136, DUY 130, HZC 124, LEG 118, ?

- Ans**
- ☐ 1. OIL 114
 - ☒ 2. PJK 112
 - ☐ 3. QKM 112
 - ☐ 4. LKJ 114

Q.17 Five people (A, B, C, D and E) are sitting in a straight line. They all are facing towards the north. B is sitting immediately between C and E. A is sitting third to the left of E. C is sitting second to the right of D. Who is sitting at the extreme left end of line?

- Ans**
- ☒ 1. D
 - ☐ 2. E
 - ☐ 3. B
 - ☐ 4. A

Q.18 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) £ \$ 7 1 1 @ @ 2 © 5 \$ & @ £ % # 7 € © @ 8 \$ (Right)

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

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

Q.19 Seven boxes A, B, C, D, E, F, and G are kept one over the other but not necessarily in the same order.
Only four boxes are kept between A and E. Only G is kept above A. Only two boxes are kept between B and C. D is kept immediately above F. C is not kept immediately above D.

How many boxes are kept above D?

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

Q.20 In a row of 47 students facing north, Shivangi is 21st from the left end. If Ankit is 22nd to the right of Shivangi, what is Ankit's position from the right end of the line?

- Ans
- ☐ 1. 4th
 - ☒ 2. 5th
 - ☐ 3. 3rd
 - ☐ 4. 6th

Q.21 What should come in place of the question mark (?) in the given series?

31 47 63 79 ? 111 127

- Ans
- ☐ 1. 85
 - ☐ 2. 101
 - ☒ 3. 95
 - ☐ 4. 92

Q.22 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) % 6 @ 9 * 3 \$ 7 8 ? 1 Ω 2 £ 5 # 4 & (Right)

If all the symbols and even numbers are dropped from the series, which of the following will be fourth from the right end?

- Ans
- ☐ 1. 7
 - ☐ 2. 5
 - ☐ 3. 9
 - ☒ 4. 3

Q.23 Each of the digits in the number 8123457 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. Three
 - ☐ 2. Two
 - ☐ 3. One
 - ☒ 4. None

Q.24 BGLY is related to EIOA in a certain way based on the English alphabetical order. In the same way, NOXG is related to QQAI. To which of the given options is WUGM related, following the same logic?

- Ans**
- ☐ 1. ZJOW
 - ☐ 2. ZJOI
 - ☐ 3. ZWOJ
 - ☒ 4. ZWJO

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

312 296 280 264 ? 232 216

- Ans**
- ☐ 1. 242
 - ☒ 2. 248
 - ☐ 3. 260
 - ☐ 4. 240

Q.26 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. DGF
 - ☐ 2. ORQ
 - ☒ 3. POT
 - ☐ 4. FIH

Q.27 Himank starts from Point A and drives 13 km towards West. He then takes a left turn, drives 3 km, turns left and drives 16 km. He then takes a left turn and drives 6 km. He takes a final left turn, drives 3 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. 3 km to South
 - ☐ 2. 4 km to South
 - ☐ 3. 4 km to North
 - ☐ 4. 3 km to North

Q.28 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 5672493, then which of the following digits will be third from the left in the new number thus formed?

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

Q.29 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 29134576, then what will be the difference between the greatest and smallest digit in the number thus formed?

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

Q.30 K is the son of I. I is the father of L. L is the mother of O. O is the brother of S. How is K related to O?

Ans  1. Mother's brother

 2. Wife

 3. Father

 4. Brother