



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	07/08/2025
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 Indian author won the 2025 International Booker Prize for the short story collection 'Heart Lamp'?

- Ans
- ☒ 1. Jeet Thayil
 - ☒ 2. Deepa Bhashti
 - ☒ 3. Banu Mushtaq
 - ☒ 4. Pratibha Satpathy

Q.2 Which of the following quantities remains unchanged when a charged particle moves in a magnetic field?

- Ans
- ☒ 1. Direction of velocity
 - ☒ 2. Kinetic energy
 - ☒ 3. Momentum direction
 - ☒ 4. Angular momentum

Q.3 Which of the following is responsible for managing shortcut links and desktop visual layout?

- Ans
- ☒ 1. Windows Shell
 - ☒ 2. Command Prompt
 - ☒ 3. Task Scheduler
 - ☒ 4. File Explorer

Q.4 India has unveiled a comprehensive plan worth ₹9.15 lakh crore (US\$ 109.50 billion) to enhance its power infrastructure and meet a projected demand of 458 GW by

- Ans
- ☒ 1. 2034
 - ☒ 2. 2036
 - ☒ 3. 2032
 - ☒ 4. 2030

Q.5 Under the Government of India Act, 1919, which subjects were transferred to Indian ministers?

- Ans
- ☒ 1. Police and Revenue
 - ☒ 2. Judiciary and Foreign Affairs

Q.6 Which of the following factors best explains the formation of ox-bow lakes along river courses?

- Ans
- ☐ 1. Sudden uplift of riverbeds by tectonic activity
 - ☐ 2. Tectonic uplift disrupting the flow
 - ☐ 3. Glacial retreat leaving depressions
 - ☒ 4. Lateral erosion on the outer banks and deposition on the inner banks

Q.7 Which neighbouring country did India accuse of supporting cross-border infiltration attempts in Jammu and Kashmir in early 2025?

- Ans
- ☒ 1. Pakistan
 - ☐ 2. Bangladesh
 - ☐ 3. Sri Lanka
 - ☐ 4. Nepal

Q.8 Which of the following countries will restrict the Mt. Everest Permit to only those who have already climbed 7000 m?

- Ans
- ☐ 1. Mongolia
 - ☐ 2. USA
 - ☐ 3. Japan
 - ☒ 4. Nepal

Q.9 The Contact Process is used for the manufacturing of which of the following chemicals?

- Ans
- ☐ 1. Ammonia
 - ☐ 2. Nitric acid
 - ☐ 3. Hydrochloric acid
 - ☒ 4. Sulphuric acid

Q.10 During the rule of which of the following Mughal rulers did Sunnis and Shias meet in one mosque and Christians and Jews in one church to pray, thus following the principle of 'universal peace' (sulh-i kul)?

- Ans
- ☐ 1. Jahangir
 - ☐ 2. Babar
 - ☐ 3. Humayun
 - ☒ 4. Akbar

Q.11 In which of the following Indian states does the Jagar dance form has its primary roots?

- Ans
- ☐ 1. Himachal Pradesh
 - ☐ 2. Bihar
 - ☐ 3. Jammu and Kashmir
 - ☒ 4. Uttarakhand

Q.12 The Third Battle of Panipat in 1761 was fought between Ahmad Shah Abdali and which Indian power?

- Ans
- ☐ 1. Mughals
 - ☐ 2. Rajputs
 - ☐ 3. British
 - ☒ 4. Marathas

Q.13 In which of the following cities' suburban trains was Kavach 5.0 launched in April 2025 to enable more trains to run safely and efficiently?

- Ans
- ☐ 1. Lucknow
 - ☒ 2. Mumbai
 - ☐ 3. New Delhi
 - ☐ 4. Chennai

Q.14 Which policy initiative aims to digitise all Primary Agricultural Credit Societies (PACS)?

- Ans
- ☐ 1. National Digital Agri Mission
 - ☐ 2. e-Kisan Portal
 - ☐ 3. Co-op Net
 - ☒ 4. PACS Digitization Project

Q.15 Pamban Port is located in which state of India?

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

Q.16 What does the shortcut key Ctrl + S do in most software applications?

- Ans
- ☒ 1. Saves the current document
 - ☐ 2. Starts a new page
 - ☐ 3. Searches for text in a document
 - ☐ 4. Selects all content

Q.17 Who was the first Chief Election Commissioner of India?

- Ans
- ☒ 1. Sukumar Sen
 - ☐ 2. V Narahari Rao
 - ☐ 3. HK Kripalani
 - ☐ 4. MC Setalvad

Q.18 Where was the 2025 Regional Forum on Sustainable Development (RFSD) for the UNECE region held on April 2–3?

- Ans
- ☐ 1. Oslo
 - ☒ 2. Geneva
 - ☐ 3. Vienna
 - ☐ 4. Brussels

Q.19 Where was the BrahMos Aerospace Integration and Testing Facility inaugurated on 11 May 2025?

- Ans
- ☐ 1. Hyderabad, Telangana
 - ☐ 2. Bengaluru, Karnataka
 - ☒ 3. Lucknow, Uttar Pradesh
 - ☐ 4. Pune, Maharashtra

Q.20 Who translated the book 'Heart Lamp' into English, making it the first Kannada work to win the 2025 International Booker Prize?

- Ans
- ☒ 1. Deepa Bhashti
 - ☐ 2. Meena Kandasamy
 - ☐ 3. Arshia Sattar

Q.21 Which of the following movements is also known as the 'Ulgulan' or the 'Great Tumult' movement?

- Ans
- ☒ 1. Munda uprising
 - ☐ 2. Kol rebellion
 - ☐ 3. Santhal rebellion
 - ☐ 4. Chuar uprising

Q.22 Which of the following is considered the first full-length Indian feature film, released in 1913?

- Ans
- ☒ 1. Raja Harishchandra
 - ☐ 2. Alam Ara
 - ☐ 3. Keechaka Vadham
 - ☐ 4. Sant Tukaram

Q.23 Which Indian state had the highest Human Development Index (HDI) value according to the NITI Aayog's SDG India Index 2023?

- Ans
- ☐ 1. Maharashtra
 - ☐ 2. Tamil Nadu
 - ☒ 3. Kerala
 - ☐ 4. Gujarat

Q.24 Which DRDO-developed system, inducted into the Indian Army in 2024, played a crucial role in air defence during Operation Sindoor in 2025?

- Ans
- ☒ 1. Akashteer
 - ☐ 2. Barak-8
 - ☐ 3. Akash
 - ☐ 4. QRSAM

Q.25 What evidence supports the layered structure of the Earth's interior?

- Ans
- ☐ 1. Fossil records
 - ☐ 2. Magnetic poles
 - ☐ 3. Volcanic eruptions
 - ☒ 4. Seismic wave behaviour

Q.26 Which of the following was a major drawback of the Indian economy at the time of independence?

- Ans
- ☐ 1. Self-sufficiency in food grains
 - ☒ 2. High unemployment and poverty
 - ☐ 3. Strong infrastructure
 - ☐ 4. High industrial output

Q.27 Who is the director of the Indian film 'Tanvi: The Great', which had its world premiere at the Cannes Film Market during the 78th Cannes Film Festival in 2025?

- Ans
- ☒ 1. Anupam Kher
 - ☐ 2. Kiran Rao
 - ☐ 3. Shabana Azmi
 - ☐ 4. Naseeruddin Shah

Q.28 Which of the following diseases is caused by protozoa?

- Ans
- ☐ 1. Polio
 - ☐ 2. Typhoid

Q.29 Which method best characterises the approach of the Moderates?

- Ans
- ☐ 1. Armed revolution
 - ☐ 2. Guerrilla warfare
 - ☒ 3. Petition and prayer
 - ☐ 4. Cultural renaissance

Q.30 Which term refers to the pre-monsoon showers that occur with a sudden rise in temperature, especially in southern India?

- Ans
- ☐ 1. Nor'wester
 - ☒ 2. Mango showers
 - ☐ 3. Break in monsoon
 - ☐ 4. Loo

Q.31 Which of the following is the first biosphere reserve established in India?

- Ans
- ☒ 1. Nilgiri
 - ☐ 2. Sundarbans
 - ☐ 3. Nanda Devi
 - ☐ 4. Gulf of Mannar

Q.32 In March 2025, the Defence Ministry signed contracts with which two companies for the procurement of 155 mm/52 calibre Advanced Towed Artillery Gun System (ATAGS)?

- Ans
- ☒ 1. Bharat Forge Ltd and Tata Advanced Systems Ltd
 - ☐ 2. Larsen & Toubro Ltd and MTAR Technologies Ltd
 - ☐ 3. Mahindra Defence Systems Ltd and Kalyani Strategic Systems Ltd
 - ☐ 4. Bharat Dynamics Ltd and Hindustan Aeronautics Ltd

Q.33 In which list of the Seventh Schedule does the Central Government have exclusive power to legislate?

- Ans
- ☐ 1. State List
 - ☐ 2. Concurrent List
 - ☒ 3. Union List
 - ☐ 4. Residual List

Q.34 The Aguada Fort, which is a monument to Portuguese construction and engineering, is situated in which of the following states of India?

- Ans
- ☐ 1. Gujarat
 - ☒ 2. Goa
 - ☐ 3. Maharashtra
 - ☐ 4. Tamil Nadu

Q.35 The National Multidimensional Poverty Index, published by NITI Aayog, measures poverty beyond income by considering multiple deprivations. Which of the following dimensions is NOT included in India's National Multidimensional Poverty Index (MPI)?

- Ans
- ☐ 1. Education
 - ☒ 2. Employment
 - ☐ 3. Health
 - ☐ 4. Standard of living

Q.36 Which new electricity trading tool did India propose in 2025 to help companies meet renewable energy targets?

- Ans
- ☐ 1. Renewable Energy Certificates (RECs)
 - ☐ 2. Green Energy Tariffs
 - ☐ 3. Time-of-Day Net Metering
 - ☒ 4. Virtual Power Purchase Agreements (VPPAs)

Q.37 Which Indian startup unveiled a system to run AI without advanced chips in April 2025?

- Ans
- ☒ 1. Ziroh Labs
 - ☐ 2. BharatPe
 - ☐ 3. Closeloop Technology
 - ☐ 4. Eka Software

Q.38 Which Schedule of the Constitution deals with the administration of Scheduled Areas and Tribes?

- Ans
- ☐ 1. Sixth Schedule
 - ☒ 2. Fifth Schedule
 - ☐ 3. Eleventh Schedule
 - ☐ 4. Ninth Schedule

Q.39 What is used to measure a decent standard of living in HDI?

- Ans
- ☐ 1. Population density
 - ☐ 2. Monthly salary
 - ☒ 3. GDP per capita in PPP US Dollars
 - ☐ 4. Availability of luxury goods

Q.40 Which of the following multinational air combat exercises did the Indian Air Force (IAF) participate in at Al Dhafra Air Base in the UAE from 21 April to 8 May 2025?

- Ans
- ☐ 1. Red Flag
 - ☐ 2. Iron Fist
 - ☒ 3. Desert Flag-10
 - ☐ 4. Blue Flag-5

Section : Mathematics

Q.1 By selling 6 rubber-bands for a rupee, a man loses 40%. To gain 20% how many must he sell for a rupee?

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

Q.2 A number, when increased by 100%, gives 2780. The number is:

- Ans
- ☒ 1. 1390
 - ☐ 2. 695
 - ☐ 3. 4170
 - ☐ 4. 2780

Q.3 The product of two consecutive natural numbers is 210. The greater of the two numbers is:

- Ans
- ☐ 1. 21
 - ☐ 2. 7
 - ☒ 3. 15
 - ☐ 4. 34

Q.4 Given that $149^{0.59} = x$, $149^{0.94} = y$ and $x^z = y^6$, then the value of z is close to:

- Ans
- ☐ 1. 9.29
 - ☐ 2. 7.39
 - ☒ 3. 9.56
 - ☐ 4. 11.02

Q.5 The average of first 151 even numbers is

- Ans
- ☒ 1. 152
 - ☐ 2. 151.5
 - ☐ 3. 152.5
 - ☐ 4. 153

Q.6 In an election between two candidates, 80% of the registered voters cast their vote and 5% of the votes polled were found invalid. The winning candidate got 75% of the valid votes and won the election by a margin of 1805 votes. How many voters were registered?

- Ans
- ☒ 1. 4750
 - ☐ 2. 4751
 - ☐ 3. 4748
 - ☐ 4. 4749

Q.7 Pipe A can fill a tank in 16 hours, pipe B can fill the same tank in 25 hours and pipe C can fill the same tank in 12 hours. The time taken by them to fill the same tank if they operate together is::

- Ans
- ☒ 1. $5\frac{85}{223}$ hours
 - ☐ 2. $3\frac{85}{223}$ hours
 - ☐ 3. $1\frac{85}{223}$ hours
 - ☐ 4. $9\frac{85}{223}$ hours

Q.8 Find the mean proportional of 25 and 16.

- Ans
- ☐ 1. 18
 - ☒ 2. 20
 - ☐ 3. 17
 - ☐ 4. 22

Q.9 Ram went to a shop and observed that the list price of a fan is ₹3,600. If the retailer has bought the fan for ₹2,800, then find the trade discount (correct to one decimal place).

- Ans**
- ☐ 1. 20%
 - ☐ 2. 19.8%
 - ☐ 3. 24.6%
 - ☒ 4. 22.2%

Q.10 In covering a distance of 182 km, Salaj takes 4 hours more than Kevin. If Salaj doubles his speed, then he would take 9 hours less than Kevin. Salaj's speed is:

- Ans**
- ☒ 1. 7 km/hr
 - ☐ 2. 13 km/hr
 - ☐ 3. 11 km/hr
 - ☐ 4. 3 km/hr

Q.11 Anubhav and Gaurav start a business. Anubhav invests ₹55,000 more than Gaurav for 2 months and Gaurav invests for 5 months. Anubhav's share is ₹1,431 more than that of Gaurav, out of a total profit of ₹7,155. Find the capital contributed by Anubhav.

- Ans**
- ☐ 1. ₹90,000
 - ☒ 2. ₹75,000
 - ☐ 3. ₹80,000
 - ☐ 4. ₹70,000

Q.12 The LCM of the numbers 2.7 and 0.096 is:

- Ans**
- ☐ 1. 216
 - ☐ 2. 2.16
 - ☒ 3. 21.6
 - ☐ 4. 0.216

Q.13 The H.C.F. and the L.C.M. of two numbers are 2 and 492, respectively. If one of the numbers is 82, find the other one.

- Ans**
- ☐ 1. 93
 - ☐ 2. 102
 - ☐ 3. 31
 - ☒ 4. 12

Q.14 Simplify the following.

$$2\left(\left(\frac{4}{2}\right)x^2 - 21x + 15\right) - 4(x^2 + 5x - 15)$$

- Ans**
- ☐ 1. $-62x - 90$
 - ☐ 2. $62x + 90$
 - ☒ 3. $-62x + 90$
 - ☐ 4. $62x - 90$

Q.15 By selling an article at $\frac{2}{5}$ of its actual selling price, Manav incurs a loss of 24%.

If he sells it at 88% of its actual selling price, then the profit percentage is:

- Ans**
- ☒ 1. 67.2%
 - ☐ 2. 67.3%
 - ☐ 3. 67.9%
 - ☐ 4. 69.1%

Q.16 Ishaan and Meghna have to travel from Delhi to Kanpur in their respective cars. Ishaan is driving at 77 km/hr while Meghna is driving at 33 km/hr. Find the time taken by Meghna to reach Kanpur if Ishaan takes 12 hours.

- Ans**
- ☒ 1. 28 hours
 - ☐ 2. 34 hours
 - ☐ 3. 33 hours
 - ☐ 4. 29 hours

Q.17 X, Y and Z invested a sum in the ratio of 86 : 60 : 24, respectively. If they earned a total profit of ₹4,590 at the end of the year, what is the difference between the shares of Y and Z?

- Ans**
- ☐ 1. ₹1,065
 - ☐ 2. ₹994
 - ☐ 3. ₹864
 - ☒ 4. ₹972

Q.18 Which of the following numbers is divisible by 24?

- Ans**
- ☐ 1. 7991987
 - ☐ 2. 7340390
 - ☒ 3. 6830904
 - ☐ 4. 7132978

Q.19 A product is sold for ₹3,400 after a 15% discount. What was the original marked price?

- Ans**
- ☐ 1. ₹4,100
 - ☐ 2. ₹3,900
 - ☒ 3. ₹4,000
 - ☐ 4. ₹3,800

Q.20 If $\sin\theta = \frac{1}{2}$, then $13 \times \operatorname{cosec}^2\theta - 3 \times \cot^2\theta - 15$ is equal to:

- Ans**
- ☐ 1. 68
 - ☐ 2. 56
 - ☐ 3. 26
 - ☒ 4. 28

Q.21 Naman and Omar can complete a certain piece of work in 13 and 4 days, respectively. They started to work together, and after 2 days, Omar left. In how many days will Naman complete the remaining work?

- Ans**
- ☒ 1. 4.5
 - ☐ 2. 6
 - ☐ 3. 6.5
 - ☐ 4. 5

Q.22 Find the value of: $83^{-6} \div 83^{16} \times 83^{-8}$

- Ans**
- ☐ 1. 83^{-26}
 - ☐ 2. 83^{-40}
 - ☒ 3. 83^{-30}
 - ☐ 4. 83^{-20}

Q.23 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 73 kg and 38 kg is:

Ans ☒ 1. 51.2

☐ 2. 52.2

☐ 3. 50.2

☐ 4. 53.2

Q.24 An exterior angle and an interior angle of a regular polygon are in the ratio of 1 : 8. What is the number of sides of the polygon?

Ans ☐ 1. 12

☐ 2. 24

☒ 3. 18

☐ 4. 6

Q.25 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month for 12 months.

Ans ☐ 1. ₹36

☐ 2. ₹56

☒ 3. ₹432

☐ 4. ₹72

Q.26 The number of prime numbers lying between 303 and 311, both included, is:

Ans ☐ 1. 5

☒ 2. 2

☐ 3. 7

☐ 4. 3

Q.27 The volume of a right circular cylinder is 8624 cm^3 . If the radius and height of the cylinder are equal, then find the height of the cylinder. (Use $\pi = \frac{22}{7}$)

Ans ☐ 1. 12 cm

☐ 2. 15 cm

☒ 3. 14 cm

☐ 4. 13 cm

Q.28 Find the simple interest (in ₹) on ₹4,000 at 7.5% per annum rate of interest deposited on 7 February 2024 and withdrawn on 8 April 2024.

Ans ☐ 1. 49

☒ 2. 50

☐ 3. 51

☐ 4. 48

Q.29 If 3 times the mother's age is 26 years more than 5 times her daughter's age, and 2 times the daughter's age is 2 years less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

Ans ☐ 1. 25

☐ 2. 20

☐ 3. 23

☒ 4. 22

Q.30 Find the volume (in cm^3) of a sphere having a diameter of 22 cm, giving your answer correct to two places of decimal.

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

- Ans
- ☐ 1. 5567.52
 - ☐ 2. 5587.52
 - ☐ 3. 5597.52
 - ☒ 4. 5577.52

Section : General Intelligence and Reasoning

Q.1 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 6 \$ \$ 7 © £ \$ 1 * 5 4 3 3 \$ 6 @ # # # 8 % (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. 4
 - ☐ 2. 1
 - ☒ 3. 2
 - ☐ 4. 3

Q.2 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 penguins are sharks. Some sharks are dolphins.

Conclusions (I): No shark is a penguin.

Conclusions (II): Some penguins are dolphins.

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

Q.3 KGD L is related to IEB J in a certain way based on the English alphabetical order. In the same way, NJGO is related to LHEM. To which of the given options is QMJR related, following the same logic?

- Ans
- ☐ 1. OKPH
 - ☐ 2. KOHP
 - ☐ 3. KOPH
 - ☒ 4. OKHP

Q.4 If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 7364592, what will be the sum of the digits which are first from the left and first from the right in the new number thus formed?

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

Q.5 H, I, J, K, U, V and W are sitting around a circular table facing the centre of the table. Only four people sit between U and V when counted from the right of U. U sits third to the left of W. K sits third to the left of H. I is an immediate neighbour of both V and W. How many people sit between J and I when counted from the right of J?

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

Q.6 Veer starts from Point Y and drives 34 km towards north. He then takes a left turn, drives 20 km. He then turns left and drives 40 km. He takes a final left turn, drives 20 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° turns only unless specified.)

- Ans** ☒ 1. 6 km towards north
☐ 2. 7 km towards south
☐ 3. 4 km towards east
☐ 4. 8 km towards west

Q.7 What should come in place of the question mark (?) in the given series?

178 142 117 101 92 ?

- Ans** ☐ 1. 63
☐ 2. 75
☐ 3. 81
☒ 4. 88

Q.8 What should come in place of the question mark (?) in the given series?

499 500 502 505 509 ?

- Ans** ☐ 1. 515
☐ 2. 513
☒ 3. 514
☐ 4. 516

Q.9 Seven boxes U, V, W, X, E, F and G are kept one over the other but not necessarily in the same order.

Only X is kept above W. Only two boxes are kept between W and G. Only U is kept below F. V is not kept immediately above G. How many boxes are kept between E and U?

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

Q.10 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit numbers. Counting to be done from left to right only.

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

Q.11 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. NK-PL
 - ☒ 2. JG-LI
 - ☒ 3. FC-HD
 - ☒ 4. RO-TP

Q.12 In a row of people all facing north, Cherry is 25th from the right end. Dinesh is 28th from the right end. Dinesh is exactly between Cherry and Lina. If Lina is 11th from the left end of the line, how many people are there in the row?

- Ans**
- ☒ 1. 40
 - ☒ 2. 41
 - ☒ 3. 42
 - ☒ 4. 39

Q.13 Deepti starts from point A and walks 5 km towards west. She takes a left turn and walks 2 km. She then takes a right turn and walks 3 km. She then takes a final right turn and walks 2 km and reaches a point B. How far (shortest distance) and towards which direction should she walk in order to reach point A again? (All turns are 90 degrees turns only unless specified.)

- Ans**
- ☒ 1. 2 km west
 - ☒ 2. 8 km east
 - ☒ 3. 2 km east
 - ☒ 4. 5 km east

Q.14 Kartik ranked 19th from the top and 27th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 45
 - ☒ 2. 47
 - ☒ 3. 44
 - ☒ 4. 46

Q.15 Each of the digits in the number 8357416 is arranged in ascending order from left to right. 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. 12
 - ☒ 2. 10
 - ☒ 3. 9
 - ☒ 4. 11

Q.16 A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. Only four people sit between C and J when counted from the right of C. C sits third to the left of B. A sits third to the left of D. L is an immediate neighbour of both J and B. How many people sit between K and L when counted from the right of K?

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

Q.17 In a certain code language, 'OPEN' is coded as '4627' and 'EARS' is coded as '1375'. What is the code for 'E' in the given code language?

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

Q.18 In a certain code language, 'KNOW' is coded as '8901' and 'KNOT' is coded as '9028'. What is the code for 'W' in the given code language?

- Ans
- ☐ 1. 8
 - ☐ 2. 9
 - ☒ 3. 1
 - ☐ 4. 0

Q.19 What should come in place of the question mark (?) in the given series?

260, 310, 460, 710, 1060, ?

- Ans
- ☐ 1. 1560
 - ☒ 2. 1510
 - ☐ 3. 1460
 - ☐ 4. 1410

Q.20 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.)

24, 16
48, 32

- Ans
- ☐ 1. 72, 36
 - ☒ 2. 84, 56
 - ☐ 3. 60, 20
 - ☐ 4. 96, 62

Q.21 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. RWS
 - ☐ 2. OTP
 - ☐ 3. UZV
 - ☒ 4. MRO

Q.22 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:

All detergents are towels.

All detergents are conditioners.

Conclusions:

(I) Some towels are conditioners.

(II) All conditioners are detergents.

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

Q.23 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VPM 153, QUJ 145, LZG 137, GED 129, BJA 121, ?

- Ans**
- ☒ 1. WOX 113
 - ☒ 2. VOY 115
 - ☒ 3. UPY 115
 - ☒ 4. XNW 113

Q.24 What will come in place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '-' and '×' are interchanged?

$$11 - 3 \times 88 + 8 \div 10 = ?$$

- Ans**
- ☒ 1. 38
 - ☒ 2. 23
 - ☒ 3. 32
 - ☒ 4. 16

Q.25 MOLK is related to RTQP in a certain way based on the English alphabetical order. In the same way, GIFE is related to LNKJ. To which of the given options is VXUT related, following the same logic?

- Ans**
- ☒ 1. AYZC
 - ☒ 2. AYZS
 - ☒ 3. ACZY
 - ☒ 4. ACYZ

Q.26 S is the mother of R. R is the brother of P. P is the wife of I. I is the father of O. How is S related to O?

- Ans**
- ☒ 1. Mother's mother
 - ☒ 2. Mother's sister
 - ☒ 3. Mother's father
 - ☒ 4. Mother's brother

Q.27 If 2 is added to each even digit and 2 is subtracted from each odd digit in the number 3659247, then what will be the sum of all the even digits in the new number thus formed?

- Ans**
- ☒ 1. 18
 - ☒ 2. 14
 - ☒ 3. 12

Q.28 XSLE is related to CWQI in a certain way based on the English alphabetical order. In the same way, RIFU is related to WMKY. To which of the given options is GUUG related, following the same logic?

- Ans**
-  1. LZXS
 -  2. LYZK
 -  3. LYXZ
 -  4. LZXD

Q.29 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. KMI
 -  2. HJF
 -  3. EGB
 -  4. NPL

Q.30 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

QMS NJP KGM HDJ ?

- Ans**
-  1. FEI
 -  2. IAG
 -  3. GEI
 -  4. EAG