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	02/09/2025
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	Which of the following is NOT a part of chemical weathering?
Ans	✅ 1. Frost Action
	❌ 2. Hydration
	❌ 3. Oxidation
	❌ 4. Carbonation

Q.2	In which of the following years was the Aajeevika - Deendayal Antyodaya Yojna-National Rural Livelihoods Mission (DAY-NRLM) launched by the Ministry of Rural Development (MoRD), Government of India?
Ans	✅ 1. 2011
	❌ 2. 2016
	❌ 3. 2007
	❌ 4. 2014

Q.3	What was the ultimate promise made by Bhagirath Majhi to the Santhals if they followed his teachings?
Ans	✅ 1. Restoration of tribal kingdoms
	❌ 2. Access to modern education and jobs
	❌ 3. Complete independence from British rule
	❌ 4. Land restoration and divine protection

Q.4	What is the purpose of the High Endurance Autonomous Underwater Vehicle (HEAUV) developed by DRDO's Naval Science and Technological Laboratory (NSTL)?
Ans	✅ 1. Underwater surveillance
	❌ 2. Surface-to-air missile deployment
	❌ 3. Submarine crew training
	❌ 4. Deep-sea oil exploration

Q.5	Colonial economic policies created a skewed distribution of income and wealth in Indian society. Which of the following is a key indicator of income inequality in colonial India?
Ans	✅ 1. Unequal land ownership patterns
	❌ 2. High literacy rate among workers
	❌ 3. Uniform wages across sectors
	❌ 4. Equitable distribution of irrigation

Q.6	What is the total number of inhabited islands in the Andaman and Nicobar Islands, as of May 2025?
Ans	✗ 1. Less than 14
	✗ 2. 22
	✗ 3. 18
	✓ 4. More than 30

Q.7	Which of the following dynasties was NOT involved in the struggle for the control of the prosperous city of Kannauj in northern India?
Ans	✗ 1. Pratihara
	✓ 2. Pallava
	✗ 3. Pala
	✗ 4. Rashtrakuta

Q.8	Optical fibres work on the principle of _____.
Ans	✗ 1. reflection only
	✗ 2. refraction only
	✓ 3. total internal reflection
	✗ 4. total internal refraction

Q.9	What is the main function of sclerenchyma, a plant tissue composed of dead cells with extremely thick lignified walls?
Ans	✗ 1. To help hold the flower parts together in a plant
	✓ 2. To provide mechanical support and strength to the plant
	✗ 3. To store food and other materials such as resins, mucilage and latex in the plant
	✗ 4. To transport water, nutrients and sugars throughout the plant

Q.10	Where was the headquarters of the Home Rule League founded by Bal Gangadhar Tilak located?
Ans	✗ 1. Ajmer
	✗ 2. Patna
	✗ 3. Surat
	✓ 4. Pune

Q.11	Which of the following terms describe a change in the DNA sequence resulting in changes in the genotype and the phenotype of an organism?
Ans	✗ 1. Segregation
	✓ 2. Mutation
	✗ 3. Dominance
	✗ 4. Transcription

Q.12	Who is the author of the book 'The History and Stars of the World's Greatest Sporting Event: From Athens 1896 to Paris 2024', launched at New Delhi World Book Fair, 2025?
Ans	✗ 1. Amit Bose
	✓ 2. Vijayan Bala
	✗ 3. Digvijay Singh Deo
	✗ 4. Abhinav Bindra

Q.13	The foreign exchange crisis forced India to seek external support. Which institution provided India a loan during the 1991 crisis?	
Ans	✗ 1. ADB	
	✗ 2. World Bank	
	✗ 3. WTO	
	✓ 4. IMF	

Q.14	In 2025, which State Government launched the 'RISE' app for digital monitoring of child vaccinations, enhancing training for health workers to improve immunisation coverage?	
Ans	✗ 1. Uttarakhand	
	✗ 2. Bihar	
	✓ 3. Uttar Pradesh	
	✗ 4. Jharkhand	

Q.15	Which of the following is the primary objective of the Right to Information (RTI) Act, 2005?	
Ans	✓ 1. To promote transparency and accountability in government functioning	
	✗ 2. To regulate foreign investment in India	
	✗ 3. To control corruption in the judiciary	
	✗ 4. To ensure reservations for backwards classes	

Q.16	Rohilla chief, Najib-ud-Daula, played a key role in the ____.	
Ans	✓ 1. Third Battle of Panipat	
	✗ 2. Mysore wars	
	✗ 3. Anglo-Maratha wars	
	✗ 4. Decline of Bengal	

Q.17	The partition of Bengal officially came into force in the year _____.	
Ans	✓ 1. 1905	
	✗ 2. 1948	
	✗ 3. 1919	
	✗ 4. 1912	

Q.18	Who was honoured with the Rammohan Mission Purashkar 2025 for emphasising ISRO's role in national security?	
Ans	✗ 1. G Madhavan Nair	
	✓ 2. V Narayanan	
	✗ 3. K Sivan	
	✗ 4. S Somanath	

Q.19	Vijender Gupta, who became the Speaker of the Delhi Assembly in 2025, is the MLA from which of the following constituencies?	
Ans	✗ 1. Karol Bagh	
	✗ 2. Patparganj	
	✗ 3. Greater Kailash	
	✓ 4. Rohini	

Q.20	Which of the following statements is correct regarding the Tenth Schedule of the Indian Constitution?
Ans	✗ 1. It deals with the allocation of seats in the Rajya Sabha.
	✗ 2. It defines the distribution of powers between the Union and States.
	✗ 3. It contains provisions regarding Official Languages.
	✓ 4. It provides for disqualification of members on grounds of defection.

Q.21	Which statement best describes a key feature of a Public-Private Partnership (PPP)?
Ans	✓ 1. Government and private entities share responsibilities and risks efficiently.
	✗ 2. The public partner fully finances a project, while the private partner has no risk.
	✗ 3. PPPs are only used for purely social (non-commercial) projects.
	✗ 4. Only public sector entities can participate in PPPs.

Q.22	Where was the 8th Edition of the Indian Ocean Conference in February 2025 held?
Ans	✓ 1. Muscat, Oman
	✗ 2. Cairo, Egypt
	✗ 3. Manila, Philippines
	✗ 4. Perth, Australia

Q.23	Which type of land is most suitable for agriculture in India?
Ans	✗ 1. Mountainous land
	✗ 2. Rocky and arid land
	✗ 3. Forest land
	✓ 4. Level alluvial land

Q.24	What is the primary function of the Taskbar in Windows7?
Ans	✗ 1. To shut down the computer
	✗ 2. To install new software
	✗ 3. To display the system BIOS
	✓ 4. To show open programs and allow quick access to them

Q.25	In May 2025, which Indian Chief Minister announced naming a medical college after Ahilyabai Holkar in 2025?
Ans	✓ 1. Yogi Adityanath
	✗ 2. Uddhav Thackeray
	✗ 3. Bhupesh Baghel
	✗ 4. Ashok Gehlot

Q.26	Which Windows feature helps to quickly locate a specific file in a large folder?
Ans	✓ 1. Search box in File Explorer
	✗ 2. Right-click → Delete
	✗ 3. Task Manager
	✗ 4. Control Panel

Q.27	Who among the following is the appointing authority of District Judges in India?
Ans	✗ 1. Prime Minister
	✗ 2. President of India
	✓ 3. Governor of the state
	✗ 4. Chief Justice of India

Q.28	Which major initiative was highlighted by the New Delhi government to mark its first 100 days in office, as detailed in the report titled 'Kaam Karne Wali Sarkar: 100 Din Seva Ke'?
Ans	✘ 1. Launch of a new metro line
	✘ 2. Introduction of a universal basic income
	✘ 3. Inauguration of a new legislative building
	✔ 4. Presentation of a report card highlighting achievements

Q.29	Which of the following is NOT a mode of acquiring Indian citizenship under the Citizenship Act, 1955?
Ans	✘ 1. By descent
	✔ 2. By adoption
	✘ 3. By registration
	✘ 4. By birth

Q.30	Which of the following languages was granted classical status by the Government of India in 2005, following Tamil?
Ans	✘ 1. Telugu
	✘ 2. Kannada
	✔ 3. Sanskrit
	✘ 4. Malayalam

Q.31	Which of the following best reflects Judicial Activism?
Ans	✘ 1. Declaring elections null and void
	✘ 2. Passive interpretation of laws
	✔ 3. Voluntary interference by the judiciary in public interest
	✘ 4. Only enforcing existing laws strictly

Q.32	Which of the following organisations inaugurated the Quantum Technology Research Centre (QTRC) at Metcalfe House, Delhi, in May 2025?
Ans	✘ 1. Indian Space Research Organisation (ISRO)
	✔ 2. Defence Research and Development Organisation (DRDO)
	✘ 3. Indian Institute of Science (IISc)
	✘ 4. Bhabha Atomic Research Centre (BARC)

Q.33	The Tendulkar Committee revised India's methodology for measuring poverty. As per the Tendulkar Committee, which criterion is considered to measure poverty?
Ans	✘ 1. Calorie intake
	✘ 2. Employment status
	✔ 3. Consumption expenditure
	✘ 4. Income

Q.34	Biogas plants are most commonly used in which sector in rural India?
Ans	✘ 1. Industrial use
	✔ 2. Household cooking and lighting
	✘ 3. Transportation
	✘ 4. Iron smelting

Q.35	Which state notified the Tsarap Chu Conservation Reserve under the Wildlife (Protection) Act, 1972 to protect high-altitude biodiversity in 2025?
Ans	✗ 1. Sikkim for Himalayan red panda conservation purposes
	✓ 2. Himachal Pradesh to secure snow leopard habitats
	✗ 3. Uttarakhand to protect alpine medicinal plant species
	✗ 4. Arunachal Pradesh to conserve high-altitude wetlands

Q.36	Which movie received the Best Picture honour at the 97th Academy Awards in 2025?
Ans	✓ 1. Anora
	✗ 2. The Brutalist
	✗ 3. Conclave
	✗ 4. Dune: Part Two

Q.37	The Vadhavan Port is under development all-weather Greenfield deep draft major port in _____.
Ans	✗ 1. Tamil Nadu
	✓ 2. Maharashtra
	✗ 3. Gujarat
	✗ 4. Kerala

Q.38	Which river originates from the Amarkantak Plateau in Madhya Pradesh and flows westward?
Ans	✗ 1. Son
	✓ 2. Narmada
	✗ 3. Tapi
	✗ 4. Godavari

Q.39	Gitanjali, a famous collection of poems, was originally written in which of the following languages?
Ans	✗ 1. English
	✗ 2. Urdu
	✗ 3. Hindi
	✓ 4. Bengali

Q.40	Which of the following organisations launched the Fiscal Health Index for India in 2025?
Ans	✗ 1. Ministry of Finance
	✗ 2. Finance Commission
	✓ 3. NITI Aayog
	✗ 4. Reserve Bank of India

Section : **Mathematics**

Q.1	The LCM of the numbers 10.8 and 0.06 is:
Ans	✓ 1. 10.8
	✗ 2. 108
	✗ 3. 1.08
	✗ 4. 0.108

Q.2	Simplify the following. $3\left(\left(\frac{6}{3}\right)x^2 - 21x + 18\right) - 6(x^2 + 5x - 18)$	
Ans	✗ 1. −93x − 162	
	✗ 2. 93x − 162	
	✗ 3. 93x + 162	
	✓ 4. −93x + 162	

Q.3	A company offers a scheme discount of 'buy 5 get 3 free' offer on shirts. Find the discount percentage.	
Ans	✗ 1. 36.3%	
	✗ 2. 39.3%	
	✗ 3. 30%	
	✓ 4. 37.5%	

Q.4	The average weight of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 75 kg and 36 kg is:	
Ans	✗ 1. 50.2 kg	
	✗ 2. 53.2 kg	
	✗ 3. 52.2 kg	
	✓ 4. 51.2 kg	

Q.5	Kushal and Brijesh together invested ₹75,100 in a business. At the end of the year, out of a total profit of ₹16,000, Brijesh's share was ₹4,400. What was the difference between their investments?	
Ans	✗ 1. ₹34,043	
	✗ 2. ₹35,768	
	✗ 3. ₹34,385	
	✓ 4. ₹33,795	

Q.6	In △ABC, BD ⊥ AC at D and ∠DBC = 72°. E is a point on BC such that ∠CAE = 56°. What is the measure of ∠AEB?	
Ans	✗ 1. 69°	
	✗ 2. 65°	
	✗ 3. 71°	
	✓ 4. 74°	

Q.7	The product of two consecutive natural numbers is 240. The greater of the two numbers is:	
Ans	✗ 1. 35	
	✗ 2. 23	
	✗ 3. 19	
	✓ 4. 16	

Q.8	The simple interest on a certain sum for $7\frac{2}{3}$ years at the rate of 5.4% per annum is ₹4,347. What will be the amount payable on the same sum at the rate of 7.5% per annum simple interest in $4\frac{4}{5}$ years?	
Ans	✗ 1. ₹14,282	
	✓ 2. ₹14,280	
	✗ 3. ₹14,273	
	✗ 4. ₹14,272	

Q.9	Find the mean proportional between 26 and 104.
Ans	✗ 1. 53
	✓ 2. 52
	✗ 3. 51
	✗ 4. 49

Q.10	Mahita is painting the four walls of her study room, which is shaped like a cube with a side length of 18.5 feet. What is the total area she needs to paint (in square feet)?
Ans	✗ 1. 1385
	✗ 2. 1358
	✗ 3. 1396
	✓ 4. 1369

Q.11	The income of Raman is ₹44,200. He saves 31% of his income. If his income increases by 22% and expenditure increases by 50%, then his savings will:
Ans	✗ 1. increase by ₹5,521
	✓ 2. decrease by ₹5,525
	✗ 3. increase by ₹5,530
	✗ 4. decrease by ₹5,524

Q.12	If the 6-digit number N46M66 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. M + N = -2
	✓ 4. M - N = 2

Q.13	Train A leaves station M at 6:30 AM and reaches station N at 3:30 PM on the same day. Train B leaves station N at 8:30 AM and reaches station M at 1:30 PM on the same day. Find the time when trains A and B meet.
Ans	✗ 1. 11:30 AM
	✓ 2. 11:00 AM
	✗ 3. 10:50 AM
	✗ 4. 12:00 PM

Q.14	A shopkeeper lists the price of a fan at 50% above its cost price and offers a 30% discount on its list price. If he earns a profit of ₹86, then what is the list price (in ₹) of the fan?
Ans	✗ 1. 2,444
	✓ 2. 2,580
	✗ 3. 2,825
	✗ 4. 2,386

Q.15	The average weight of Ketan, Tushar and Salil is 46 kg. If the average weight of Ketan and Tushar is 36 kg and that of Tushar and Salil is 44 kg, then the weight of Tushar (in kg) is:
Ans	✗ 1. 37
	✓ 2. 22
	✗ 3. 42
	✗ 4. 32

Q.16	Simplify: $\sqrt{289} + \sqrt{0.04} - \sqrt{5.76}$	
Ans	✗ 1. 1.78	
	✗ 2. 11.65	
	✓ 3. 14.8	
	✗ 4. 3.07	

Q.17	A bus travelling at 99 km/hr completes a journey in 20 hours. What should its speed be to cover the same distance in 12 hours?	
Ans	✓ 1. 165 km/hr	
	✗ 2. 159 km/hr	
	✗ 3. 168 km/hr	
	✗ 4. 156 km/hr	

Q.18	8 years ago, the age of a father was 21 years more than twice his son's age. After how many years, from now, will he be twice his son's age?	
Ans	✓ 1. 13	
	✗ 2. 11	
	✗ 3. 8	
	✗ 4. 17	

Q.19	By how much is 65% of 55 greater than $\frac{2}{5}$ of 25?	
Ans	✗ 1. 19.75	
	✓ 2. 25.75	
	✗ 3. 22.75	
	✗ 4. 23.75	

Q.20	The H.C.F. and the L.C.M. of two numbers are 3 and 276 respectively. If one of the numbers is 69, find the other one.	
Ans	✓ 1. 12	
	✗ 2. 35	
	✗ 3. 100	
	✗ 4. 110	

Q.21	What smallest number should be added to 15335 so that the sum is completely divisible by 79?	
Ans	✗ 1. 71	
	✗ 2. 68	
	✓ 3. 70	
	✗ 4. 65	

Q.22	If the shape of a water pipe is a rectangle with dimensions 5 m and 3 m and if water runs out of it at the speed of 36 km/hr, then what is the volume (in m^3) of the water that passed through the pipe in 12 minutes?	
Ans	✗ 1. 216000	
	✓ 2. 108000	
	✗ 3. 5400	
	✗ 4. 54000	

Q.23	Two pipes can fill a cistern, individually, in 40 minutes and 14 minutes, 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 20 minutes. 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. $20\frac{7}{13}$ minutes
	✓ 2. $21\frac{7}{13}$ minutes
	✗ 3. $19\frac{7}{13}$ minutes
	✗ 4. $22\frac{7}{13}$ minutes

Q.24	I bought two toy guns for ₹1,200. I sold the first one at a loss of 9% and the second at a gain of 16%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first toy gun.
Ans	✗ 1. 788
	✗ 2. 792
	✓ 3. 768
	✗ 4. 752

Q.25	Successive discounts of 5% and 40% are equivalent to a single discount of:
Ans	✗ 1. 41%
	✗ 2. 45%
	✓ 3. 43%
	✗ 4. 42%

Q.26	A can lay railway track between two given stations in 20 days and B can do the same job in 16 days. With the help of C, they did the job in 3 days only. Then, C alone can do the job in
Ans	✓ 1. $4\frac{28}{53} days$
	✗ 2. $11\frac{28}{53} days$
	✗ 3. $12\frac{28}{53} days$
	✗ 4. $14\frac{28}{53} days$

Q.27	Sapna invested ₹22,500 on simple interest, partly at 7% per annum and partly at 5% per annum. If she earns equal interests from the two investments after 3 years, then find the sum invested at 7% per annum (in ₹).
Ans	✗ 1. 9,373
	✗ 2. 9,374
	✗ 3. 9,376
	✓ 4. 9,375

Q.28	Ravi started a business by investing ₹50,000. After six months, Raju joined him and invested an amount of ₹1,00,000. In one year since Ravi invested, they earned a profit of ₹63,000. What is Raju's share of the profit?
Ans	✗ 1. ₹32,500
	✗ 2. ₹31,000
	✔ 3. ₹31,500
	✗ 4. ₹32,000

Q.29	Find the value of $\dfrac{(\sec^4 A - \sec^2 A)}{(\cot^2 A + \cot^4 A)} \times \dfrac{(\operatorname{cosec}^4 A - \operatorname{cosec}^2 A)}{(\tan^2 A + \tan^4 A)} + \cot^2 A$ ..
Ans	✗ 1. $\cot^2 A$
	✗ 2. 0
	✗ 3. 1
	✔ 4. $\operatorname{cosec}^2 A$

Q.30	Find the value of $24^{-10} \div 24^{16} \times 24^{-7}$.
Ans	✗ 1. 24^{-43}
	✔ 2. 24^{-33}
	✗ 3. 24^{-38}
	✗ 4. 24^{-31}

Section : General Intelligence and Reasoning

Q.1	In a certain code language, 'SAID' is coded as '3517' and 'AERO' is coded as '2146'. What is the code for 'A' in the given code language?
Ans	✗ 1. 5
	✗ 2. 2
	✔ 3. 1
	✗ 4. 6

Q.2	Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept between E and B. Only A is kept above C. No box is kept below B. G is kept at some place below F but at some place above D. How many boxes are kept below F?
Ans	✗ 1. 2
	✔ 2. 4
	✗ 3. 3
	✗ 4. 1

Q.3	Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)
Ans	✔ 1. KMH
	✗ 2. IKE
	✗ 3. GIC
	✗ 4. MOI

Q.4	Read the given statement(s) 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 statement(s). **Statements:** Some Circular Saws are Trowels. Some Trowels are Power Saws. **Conclusions:** I: Some Circular Saws are Power Saws. II: No Circular Saws are Power Saws.	
Ans	✖ 1. Only conclusion (I) follows.	
	✔ 2. Neither conclusion (I) nor (II) follows.	
	✖ 3. Both conclusions (I) and (II) follow.	
	✖ 4. Only conclusion (II) follows.	

Q.5	Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements. **Statements:** All soaps are gels. All soaps are conditioners. **Conclusions:** (I) Some gels are conditioners. (II) All conditioners are soaps.	
Ans	✖ 1. Both conclusions (I) and (II) follow.	
	✖ 2. Neither conclusion (I) nor (II) follows.	
	✖ 3. Only conclusion (II) follows.	
	✔ 4. Only conclusion (I) follows.	

Q.6	A, B, C, D, Q, R and S are sitting around a circular table, facing the centre of the table. Only two people sit between D and A, when counted from the left of A. Q sits third to the left of S. R sits to the immediate right of S. R sits second to the left of D. B is not an immediate neighbour of Q. Who sits third to the right of C?	
Ans	✖ 1. D	
	✖ 2. S	
	✔ 3. R	
	✖ 4. A	

Q.7	A, B, C, D, Q, R and S are sitting around a circular table, facing the centre of the table. B sits third to the left of Q. R sits second to the left of S. Q is an immediate neighbour of both A and R. C is not an immediate neighbour of B. How many people sit between D and R, when counted from the right of D?	
Ans	✖ 1. Three	
	✖ 2. One	
	✔ 3. Two	
	✖ 4. Four	

Q.8	DREAM is related to IWJFR in a certain way based on the English alphabetical order. In the same way, FILED is related to KNQJI. To which of the given options is BLOWN related, following the same logic?	
Ans	✔ 1. GQTBS	
	✖ 2. FPSAR	
	✖ 3. HRUCT	
	✖ 4. GRSCS	

Q.9	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? LOH19 MPI27 NQJ35 ORK43 ?
Ans	✗ 1. PSK50
	✗ 2. PSL50
	✓ 3. PSL51
	✗ 4. PSK51

Q.10	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. ERM
	✗ 2. BFJ
	✗ 3. SWA
	✗ 4. UYC

Q.11	Seven boxes G, H, I, J, K, L and S are kept one over the other but not necessarily in the same order. Only three boxes are kept below S. Only two boxes are kept between S and L. Only G is kept below J. H is kept at some place below K and at some place above J. I is kept above K. How many boxes are kept between K and J?
Ans	✗ 1. Four
	✗ 2. One
	✓ 3. Two
	✗ 4. Three

Q.12	If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 5237648, how many digits will appear more than once in the new number thus formed?
Ans	✗ 1. None
	✓ 2. Two
	✗ 3. Three
	✗ 4. One

Q.13	Mr. Bravo starts from Point A and drives 1 km towards the west. He then takes a left turn, drives 2 km, turns left and drives 5 km. He then takes a left turn and drives 7 km. He takes a final left turn, drives 4 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 south
	✗ 3. 2 km to the north
	✗ 4. 6 km to the east

Q.14	In a certain code language, 'A = B' means 'A is the mother of B', 'A $ B' means 'A is the brother of B', 'A @ B' means 'A is the wife of B' and 'A * B' means 'A is the father of B'. How is W related to R if W $ A @ C * D = R?
Ans	✗ 1. Brother
	✗ 2. Father
	✗ 3. Mother's father
	✓ 4. Mother's mother's brother

Q.15	What will come in place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '−' and '÷' are interchanged? $42 ÷ 11 + 3 × 18 − 2 = ?$
Ans	✗ 1. 36
	✗ 2. 24
	✗ 3. 30
	✓ 4. 18

Q.16	If 1 is added to each odd digit and 4 is subtracted from each even digit in the number 6854376, what will be difference between the highest and lowest digits in the new number thus formed?
Ans	✗ 1. 6
	✗ 2. 7
	✓ 3. 8
	✗ 4. 4

Q.17	Each of the digits in the number 5368794 is arranged in the ascending order from left to right. What will be the sum of the digits that are first from the left and first from the right in the new number thus formed?
Ans	✗ 1. 10
	✗ 2. 9
	✓ 3. 12
	✗ 4. 7

Q.18	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? IGE 16, LJH 21, OMK 26, RPN 31, ?
Ans	✗ 1. UYX 36
	✓ 2. USQ 36
	✗ 3. VXY 28
	✗ 4. VYW 36

Q.19	Kasish starts from Point A and drives 10 km towards south. She then takes a left turn, drives 6 km, turns left and drives 11 km. She then takes a left turn and drives 7 km. She takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90° turns only unless specified.)
Ans	✓ 1. 1 km to east
	✗ 2. 2 km to east
	✗ 3. 1 km to west
	✗ 4. 2 km to west

Q.20	What should come in place of the question mark (?) in the given series? 13 29 55 113 223 ?
Ans	✗ 1. 494
	✓ 2. 449
	✗ 3. 498
	✗ 4. 489

Q.21	Piyush is ranked 11th from the top and 29th from the bottom in his class. How many students are there in the class?
Ans	✗ 1. 38
	✗ 2. 40
	✗ 3. 37
	✓ 4. 39

Q.22	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.) 12, 146 8, 66
Ans	✗ 1. 6, 34
	✓ 2. 11, 123
	✗ 3. 7, 49
	✗ 4. 4, 66

Q.23	In the following triad, 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. BLOW - WLBO - LOBW LEAF - FELA - EALF
Ans	✗ 1. MOVE - EOMV - VOME
	✗ 2. TOUR - OTUR - ROUT
	✗ 3. CLAW - CALW - WALC
	✓ 4. FANG - GAFN - ANFG

Q.24	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 % 2 7 5 & $ * 5 © 6 1 1 * € 4 # 1 7 3 @ (Right) How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a symbol?
Ans	✗ 1. 3
	✗ 2. 4
	✗ 3. 1
	✓ 4. 2

Q.25	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. TOES - SETO - TEOS CLAP - PACL - CALP
Ans	✗ 1. CALF - FLCA - ALCF
	✗ 2. RUST - RSUT - TSUR
	✗ 3. TUNE - UNTE - UNET
	✓ 4. MICK - KCMI - MCIK

Q.26	What should come in place of the question mark (?) in the given series?
	789 799 800 810 811 821 822 ?
Ans	✔ 1. 832
	✘ 2. 833
	✘ 3. 831
	✘ 4. 823

Q.27	In a certain code language, 'MUGS' is coded as '4627' and 'UNIT' is coded as '1375'. What is the code for 'U' in the given code language?
Ans	✘ 1. 5
	✘ 2. 6
	✘ 3. 1
	✔ 4. 7

Q.28	What should come in place of the question mark (?) in the given series?
	31 32 34 38 46 ?
Ans	✘ 1. 63
	✘ 2. 64
	✘ 3. 61
	✔ 4. 62

Q.29	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 pair.)
Ans	✘ 1. FH-HJ
	✘ 2. IK-KM
	✘ 3. MO-OQ
	✔ 4. RT-TB

Q.30	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.
	(Left) & 3 Ω 9 # 1 * 2 + % 4 6 @ 8 $ 7 £ 5 (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. 7
	✔ 3. 6
	✘ 4. 5