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सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level

Test Date	29/08/2025
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 of the following subjects was NOT a part of the Transferred Subjects under the Government of India Act of 1919?**

Ans
✗ 1. Local self-government
✓ 2. Police
✗ 3. Health
✗ 4. Education

Q.2 **Which of the following properties generally increases across a period (left to right) in the periodic table?**

Ans
✗ 1. Reduction
✓ 2. Ionisation enthalpy
✗ 3. Metallic character
✗ 4. Atomic radius

Q.3 **Who was appointed as the Chairman of the Union Public Service Commission (UPSC) in 2025, succeeding Preeti Sudan?**

Ans
✗ 1. Sanjay Mitra
✗ 2. Anil Swarup
✓ 3. Ajay Kumar
✗ 4. Rajiv Gauba

Q.4 **Yagnavarman, Sardulavarman and Anantavarman were the kings of which of the following kingdoms?**

Ans
✗ 1. Magadha Guptas
✗ 2. Maitrakas of Valabhi
✓ 3. Maukharis of Kanauj
✗ 4. Pushyabhutis of Thanesar

Q.5 **Before becoming the Chief Justice of India, Justice BR Gavai served in which court?**

Ans
✗ 1. Delhi High Court
✗ 2. Allahabad High Court
✓ 3. Bombay High Court
✗ 4. Madras High Court

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Q.6 What is the purpose of the submarine cable project launched by the Indian National Centre for Ocean Information Services (INCOIS) in 2025?

Ans
- ✗ 1. Improve underwater defense systems
- ✗ 2. Support ocean tourism
- ✗ 3. Increase internet speed in coastal areas
- ✓ 4. Enhance long-term Indian Ocean observations

Q.7 A solution with a pH of 2 is how many times more acidic than a solution with pH 4?

Ans
- ✗ 1. 10 times
- ✗ 2. 2 times
- ✓ 3. 100 times
- ✗ 4. 200 times

Q.8 The spread of the Green Revolution technology enabled India to achieve self-sufficiency in _____.

Ans
- ✗ 1. sugarcane
- ✗ 2. vegetables
- ✗ 3. oil seeds
- ✓ 4. food grains

Q.9 Which postulate of Dalton's atomic theory explains the Law of Definite Proportions?

Ans
- ✗ 1. Atoms are indivisible and indestructible.
- ✗ 2. Atoms of different elements have different masses and properties.
- ✗ 3. Atoms of the same element are identical in mass and size.
- ✓ 4. Atoms combine in simple whole-number ratios to form compounds.

Q.10 Which ISRO mission, launched in May 2025, aims to enhance India's all-weather day-and-night Earth observation capabilities?

Ans
- ✗ 1. INSAT-3DS
- ✗ 2. Cartosat-3
- ✗ 3. RISAT-1B
- ✓ 4. EOS-09

Q.11 Who among the following translated the book 'Heart Lamp' from Kannada to English, for which the author won the prestigious International Booker Prize in May 2025?

Ans
- ✗ 1. Manorama Mishra
- ✓ 2. Deepa Bhasthi
- ✗ 3. Chitra Banerjee Divakaruni
- ✗ 4. Geeta Singh

Q.12 Which Article of the Indian Constitution empowers the Parliament and State Legislatures to make laws for the whole or any part of the territory of India?

Ans
- ✗ 1. Article 250
- ✓ 2. Article 245
- ✗ 3. Article 249
- ✗ 4. Article 256

Q.13 What happened to employment opportunities after the 1991 reforms?

Ans
- ✗ 1. Stayed the same
- ✓ 2. Increased, especially in private and service sectors
- ✗ 3. Decreased in all sectors
- ✗ 4. Only grew in agriculture

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Q.14 The largest area of the Great Indian Desert in India is located in which state?

Ans
- ✗ 1. Gujarat
- ✓ 2. Rajasthan
- ✗ 3. Punjab
- ✗ 4. Haryana

Q.15 Which agency on 2025 authorised to share information with the Enforcement Directorate (ED) under the Prevention of Money Laundering Act to combat cyber fraud?

Ans
- ✓ 1. Indian Cyber Crime Coordination Centre (I4C)
- ✗ 2. Central Bureau of Investigation (CBI)
- ✗ 3. National Cyber Crime Reporting Portal (NCRP)
- ✗ 4. Cyber and Information Security Division (CISD)

Q.16 In January 2025, which state cricket association unveiled plans to construct the largest cricket stadium in India, with a seating capacity of 1.25 lakh spectators?

Ans
- ✗ 1. Odisha Cricket League
- ✗ 2. Punjab Cricket Association
- ✗ 3. Delhi District Cricket Association
- ✓ 4. Andhra Cricket Association

Q.17 Which of the following is a mode of losing Indian citizenship?

Ans
- ✓ 1. Renunciation
- ✗ 2. Birth
- ✗ 3. Registration
- ✗ 4. Naturalization

Q.18 In which year was the Paris Agreement adopted?

Ans
- ✓ 1. 2015
- ✗ 2. 2013
- ✗ 3. 2016
- ✗ 4. 2017

Q.19 In the context of British plantations in India, what does the term 'bigha' refer to?

Ans
- ✓ 1. A unit of measurement of land
- ✗ 2. A plant that replaced indigo in Britain
- ✗ 3. An agreement made with the ryots
- ✗ 4. A revenue estate which has one or more villages

Q.20 Which of the following accurately represents the two main components of the CPU and their functions?

Ans
- ✗ 1. Monitor and Keyboard – Control the speed of data processing
- ✗ 2. RAM and ROM – Store data and instructions permanently
- ✗ 3. HDD and SSD – Perform data input and output tasks
- ✓ 4. ALU and CU – Perform calculations and control all computer operations

Q.21 What are quaternary activities mainly associated with?

Ans
- ✗ 1. Transportation
- ✗ 2. Industrial work
- ✓ 3. Information and research
- ✗ 4. Agriculture

Q.22 Which of the following Five-Year Plans was based on the Harrod-Domar Model?

Ans
✔ 1. First
✘ 2. Third
✘ 3. Fifth
✘ 4. Seventh

Q.23 In FIFO scheduling, which process is executed first?

Ans
✘ 1. The process with the shortest execution time
✔ 2. The process that arrives first
✘ 3. The process with the highest priority
✘ 4. The process that arrives last

Q.24 Where was the 12th World Government Summit, 2025, held?

Ans
✘ 1. Delhi, India
✘ 2. Muscat, Oman
✘ 3. Riyadh, Saudi Arabia
✔ 4. Dubai, UAE

Q.25 What is the general slope of the Deccan Plateau?

Ans
✘ 1. North to South
✔ 2. West to East
✘ 3. South to North
✘ 4. East to West

Q.26 During which period of Indian history were the stupas of Sanchi and Sarnath built, reflecting its architectural style?

Ans
✘ 1. Gupta rule
✘ 2. Kushan rule
✔ 3. Mauryan rule
✘ 4. Vakataka rule

Q.27 Which of the following countries was elected to the Vice Presidency of the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) in 2025?

Ans
✘ 1. France
✘ 2. Japan
✘ 3. Australia
✔ 4. India

Q.28 Who among the following strongly criticised British education for being too Western and disconnected from Indian realities?

Ans
✘ 1. Charles Wood
✔ 2. Rabindranath Tagore
✘ 3. Raja Rammohan Roy
✘ 4. Macaulay

Q.29 The 'Nuclear Energy Mission for Viksit Bharat' aims to achieve how much nuclear energy capacity by 2047?

Ans
✘ 1. 75 GW
✘ 2. 125 GW
✘ 3. 50 GW
✔ 4. 100 GW

Q.30 Which Indo-Greek ruler's envoy Heliodorus installed a pillar in Vidisha and was a devotee of Lord Krishna?

Ans
✗ 1. Diodotus
✗ 2. Demetrius
✓ 3. Antialkidas
✗ 4. Menander

Q.31 The famous male torso from Harappa, remarkable for its naturalistic pose and chiselled in the round, is made of _____.

Ans
✗ 1. steatite
✓ 2. red limestone
✗ 3. bronze
✗ 4. terracotta

Q.32 Ashok Chandra assumed charge as Managing Director and Chief Executive Officer of _____ on 16th January 2025.

Ans
✓ 1. Punjab National Bank
✗ 2. Central Bank of India
✗ 3. Canara Bank
✗ 4. Union Bank of India

Q.33 What is the projected valuation of India's satellite communication (satcom) market by 2028?

Ans
✗ 1. $10 billion
✓ 2. $20 billion
✗ 3. $5 billion
✗ 4. $15 billion

Q.34 Canal irrigation is best suited for which of the following geographical regions?

Ans
✗ 1. High mountain regions
✗ 2. Rocky plateaus
✓ 3. River basins and flat lands
✗ 4. Desert regions

Q.35 Under what conditions can the Parliament legislate on matters in the State List according to constitutional provisions?

Ans
✓ 1. When the Rajya Sabha passes a resolution.
✗ 2. During a national emergency declared under Article 352.
✗ 3. If the President signs a proclamation without Parliament's involvement.
✗ 4. If a Governor requests it due to a financial emergency in the state.

Q.36 By when has India aimed to achieve its defence production of ₹3 lakh crore, which will strengthen its position as a global defence manufacturing hub?

Ans
✗ 1. 2032
✓ 2. 2029
✗ 3. 2028
✗ 4. 2030

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Q.37 Which initiative was launched to provide reliable electricity to all households in India, especially in rural areas?

Ans
- ✗ 1. UJALA Scheme
- ✗ 2. Shakti Scheme
- ✓ 3. Saubhagya Scheme
- ✗ 4. GARV Dashboard

Q.38 Who among the following passed an Act in 1898, making it an offence to provoke people against the British rulers?

Ans
- ✓ 1. Lord Curzon
- ✗ 2. Lord Northbrook
- ✗ 3. Lord Elgin
- ✗ 4. Lord Mayo

Q.39 The process of planet formation through collision and sticking of small celestial bodies is called:

Ans
- ✗ 1. Fragmentation
- ✗ 2. Degassing
- ✗ 3. Differentiation
- ✓ 4. Accretion

Q.40 Lok Adalats in India have statutory status under which of the following enactments?

Ans
- ✗ 1. The Civil Procedure Code, 1908
- ✗ 2. The Indian Penal Code, 1860
- ✓ 3. The Legal Services Authorities Act, 1987
- ✗ 4. The Arbitration and Conciliation Act, 1996

Section : **Mathematics**

Q.1 A can do a work in 12 days and B can do the same work in 25 days. If they work on it together for 6 days, then what fraction of the work is left?

Ans
- ✗ 1. $\frac{9}{50}$
- ✗ 2. $\frac{17}{50}$
- ✓ 3. $\frac{13}{50}$
- ✗ 4. $\frac{21}{50}$

Q.2 Evaluate: (-9) - (-60) ÷ (-10) + (-3) × 9

Ans
- ✓ 1. -42
- ✗ 2. -44
- ✗ 3. -45
- ✗ 4. -41

Q.3 The HCF and the LCM of two numbers are 18 and 216, respectively. If one of the numbers is 72, find the other one.

Ans
✗ 1. 25
✗ 2. 10
✓ 3. 54
✗ 4. 5

Q.4 If the 6-digit number N36M77 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

Ans
✗ 1. M + N = -3
✓ 2. M - N = 3
✗ 3. M - N = 1
✗ 4. M = N

Q.5 The product of two positive numbers is 245. If the first number is five times the second number, then the sum of the two numbers is:

Ans
✗ 1. 38
✗ 2. 51
✗ 3. 40
✓ 4. 42

Q.6 Train A leaves station M at 8:35 AM and reaches station N at 3:35 PM on the same day. Train B leaves station N at 10:35 AM and reaches station M at 3:35 PM on the same day. Find the time when trains A and B meet.

Ans
✗ 1. 11:50 AM
✓ 2. 12:40 PM
✗ 3. 12:10 PM
✗ 4. 12:50 PM

Q.7 If the third proportional of 8 and 16 be x, then what is the value of x?

Ans
✗ 1. 31
✗ 2. 34
✓ 3. 32
✗ 4. 35

Q.8 A bus travelling at 10 km/hr completes a journey in 16 hours. At what speed will it have to cover the same distance in 8 hours?

Ans
✗ 1. 14 km/hr
✗ 2. 10 km/hr
✓ 3. 20 km/hr
✗ 4. 25 km/hr

Q.9 Praveen and Hemant start a business. Praveen invests ₹78,000 more than Hemant for 5 months and Hemant invests for 6 months. Praveen's share is ₹1,360 more than that of Hemant, out of a total profit of ₹5,440. Find the capital contributed by Praveen.

Ans
✓ 1. ₹1,56,000
✗ 2. ₹1,55,955
✗ 3. ₹1,55,875
✗ 4. ₹1,56,185

Q.10 Sapna invested ₹22,800 on simple interest, partly at 5% per annum and partly at 11% per annum. If she earns equal interests from the two investments after 4 years, then find the sum invested at 5% per annum (in ₹).

Ans
✗ 1. 15,676
✓ 2. 15,675
✗ 3. 15,678
✗ 4. 15,677

Q.11 Simplify: $\frac{(\sin\theta-\cos\theta)(1+\tan\theta+\cot\theta)}{1+\sin\theta\cos\theta}+\frac{\sin\theta}{1+\cos\theta}+\frac{1+\cos\theta}{\sin\theta}$

Ans
✓ 1. $\text{cosec}\theta+\sec\theta$
✗ 2. $\sin\theta+\cos\theta$
✗ 3. $\tan\theta+\sec\theta$
✗ 4. $\sin\theta\sec\theta$

Q.12 The value of $\frac{4}{3}+\left(\frac{1}{1+\frac{2}{7}}\right)-\frac{2}{3}$ is

Ans
✗ 1. $\frac{16}{19}$
✗ 2. $\frac{4}{9}$
✓ 3. $\frac{13}{9}$
✗ 4. $\frac{5}{8}$

Q.13 The average of first 159 even numbers is

Ans
✗ 1. 161
✗ 2. 160.5
✗ 3. 159.5
✓ 4. 160

Q.14 Given that $112^{0.57}$ = x, $112^{0.8}$= y and $x^z = y^6$, then the value of z is close to:

Ans
✗ 1. 10.14
✗ 2. 9.12
✗ 3. 8.45
✓ 4. 8.42

Q.15 Find the effective discount for the scheme – Buy 12, get 8 free.

Ans
✗ 1. 10%
✗ 2. 21%
✓ 3. 40%
✗ 4. 20%

Q.16 Pipe P can fill $\frac{3}{8}$ part of a tank in 30 hours, and pipe Q can fill $\frac{4}{5}$ part of the same tank in 16 hours. Both P and Q were kept open for 4 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. 35 hours
✗ 2. 40 hours
✗ 3. 21 hours
✓ 4. 32 hours

Q.17 If 4 times a son's age is added to his father's age, the sum is 46 years. If 2.8 times the father's age is added to the son's age, the sum is 88 years. What is the father's age (in years)?

Ans
✗ 1. 35
✗ 2. 25
✗ 3. 28
✓ 4. 30

Q.18 If the radius of the base of a right circular cylinder is decreased by 46% and its height is increased by 261%, then what is the percentage increase (closest integer) in its volume?

Ans
✓ 1. 5%
✗ 2. 35%
✗ 3. 17%
✗ 4. 19%

Q.19 Vijay got an increase of 4% in his sales amount in the first year and 25% in the second year; also with this, his current sales are ₹1,50,800, what was his sales (in ₹) two years ago?

Ans
✗ 1. ₹1,20,640
✗ 2. ₹96,000
✓ 3. ₹1,16,000
✗ 4. ₹1,45,000

Q.20 The marks scored by 10 students are given below.
20, 16, 16, 19, 16, 12, 19, 10, 14, 18
The mode of the given data is:

Ans
✗ 1. 19
✗ 2. 12
✓ 3. 16
✗ 4. 20

Q.21 A store offers a discount of 14% on a television marked at ₹78,000. During a sale, an additional 8% discount is offered on the already discounted price. What is the total discount percentage?

Ans
✗ 1. 18.23%
✓ 2. 20.88%
✗ 3. 22.48%
✗ 4. 21.62%

Q.22 If the sum of the measures of all the interior angles of a regular polygon is 2520°, then what is the exterior angle of the polygon?

Ans
✗ 1. 42.5°
✓ 2. 22.5°
✗ 3. 37.5°
✗ 4. 90°

Q.23 An amount of ₹570 is divided among three persons in the ratio of 2 : 12 : 11. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans
✗ 1. 166
✓ 2. 228
✗ 3. 293
✗ 4. 284

Q.24 Find the surface area of a sphere with a radius of 5 cm.

(Use π = 3.14)

Ans
✗ 1. 628 cm^2
✗ 2. 3140 cm^2
✗ 3. 31.4 cm^2
✓ 4. 314 cm^2

Q.25 A sum of money triples itself at a certain rate of compound interest in 15 years. In how many years will it amount to 27 times of itself?

Ans
✗ 1. 39 years
✓ 2. 45 years
✗ 3. 55 years
✗ 4. 36 years

Q.26 An article is sold at a profit of 57%. If the cost price is increased by ₹20 and the selling price is reduced by ₹18, then the profit would be 47.5%. What is the original cost price (in ₹) of the article?

Ans
✗ 1. 200
✓ 2. 500
✗ 3. 300
✗ 4. 400

Q.27 A number, when increased by 60%, gives 3610. The number is:

Ans
✓ 1. 2256.25
✗ 2. 4512.5
✗ 3. 1128.125
✗ 4. 6768.75

Q.28 88 tube lights were purchased for ₹88, and 46 tube lights broke in transit. The trader sold the remaining tube lights at ₹3.10 each. Find his profit.

Ans
✗ 1. ₹47.10
✗ 2. ₹48.20
✓ 3. ₹42.20
✗ 4. ₹36.60

Q.29 Simplify the following.

$$2\left(\left(\frac{3}{2}\right)x^2 - 20x + 17\right) - 3(x^2 + 7x - 15)$$

Ans
✗ 1. 61x + 79
✗ 2. 61x − 79
✓ 3. −61x + 79
✗ 4. −61x − 79

Q.30 Which of the following numbers divides 393064111?

Ans
✔ 1. 11
✘ 2. 14
✘ 3. 15
✘ 4. 10

Section : **General Intelligence and Reasoning**

Q.1 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 bricks are spoons. No brick is a game.

Conclusions (I): Some games are spoons.
Conclusions (II): All spoons are games.

Ans
✘ 1. Only conclusion (II) follows.
✘ 2. Both conclusions (I) and (II) follow.
✔ 3. Neither conclusion (I) nor (II) follows.
✘ 4. Only conclusion (I) follows.

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 conclusions logically follow(s) from the statements.

Statements:
Some orchids are cacti.
No cactus is a marigold.

Conclusions:
(I) No marigold is a cactus.
(II) Some cacti are orchids.

Ans
✘ 1. Only conclusion (II) follows.
✘ 2. Neither conclusion (I) nor (II) follows.
✘ 3. Only conclusion (I) follows.
✔ 4. Both conclusions (I) and (II) follow.

Q.3 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '–', then the resultant of which of the following would be 9?

Ans
✘ 1. 41 C 13 B 3 A 35 D 5
✘ 2. 41 B 13 C 3 D 35 A 5
✔ 3. 41 D 13 B 3 C 35 A 5
✘ 4. 41 A 13 C 3 B 35 D 5

Q.4 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 below B. Only one box is kept above F. Only one box is kept between F and D. A is kept immediately above G. C is kept at some place below E.
Which box is kept at the top?

Ans
✘ 1. C
✔ 2. E
✘ 3. G
✘ 4. A

Q.5 H, I, J, P, Q, R and S are sitting around a circular table facing the centre of the table. Q sits to the immediate right of J. Only three people sit between Q and S when counted from the left of Q. Only three people sit between J and H. P sits to the immediate right of R.
How many people sit between J and R when counted from the right of R?

Ans
✔ 1. One
✘ 2. Two
✘ 3. Three
✘ 4. Four

Q.6 Each of the digits in the number 9823415 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. 10
✘ 2. 11
✘ 3. 9
✘ 4. 8

Q.7 In a certain code language, 'GETS' is coded as '8106' and 'EGIS' is coded as '0167'.
What is the code for 'I' in the given code language?

Ans
✘ 1. 1
✔ 2. 7
✘ 3. 0
✘ 4. 6

Q.8 In a certain code language,
'A # B' means 'A is the brother of B',
'A % B' means 'A is the daughter of B',
'A = B' means 'A is the wife of B' and
'A ¥ B' means 'A is the father of B'.

How is D related to S if 'D = O # M ¥ E % S'?

Ans
✘ 1. Father's brother's son
✘ 2. Father's brother's sister
✔ 3. Husband's brother's wife
✘ 4. Father's brother's daughter

Q.9 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SET DQE OCP ZOA ?

Ans
✘ 1. KLA
✔ 2. KAL
✘ 3. LKA
✘ 4. LAK

Q.10 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.

LOPE - LEPO - EPOL
QUIT - QTIU - TIUQ

Ans
✔ 1. BANG - BGNA - GNAB
✘ 2. SLOP - SLPO - LOPS
✘ 3. FILE - IFLE - EILF
✘ 4. WAST - WSAT - TSAW

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Q.11 What should come in place of the question mark (?) in the given series?

9 19 39 69 109 ?

Ans
- ✗ 1. 150
- ✗ 2. 160
- ✗ 3. 155
- ✓ 4. 159

Q.12 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. GLH
- ✗ 2. EJF
- ✗ 3. NSO
- ✓ 4. LQN

Q.13 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 4268953, then how many digits will appear more than once in the new number thus formed?

Ans
- ✗ 1. One
- ✗ 2. None
- ✗ 3. Three
- ✓ 4. Two

Q.14 What should come in place of the question mark (?) in the given series?

11, 33, 55, 77, ?, 121.

Ans
- ✗ 1. 109
- ✗ 2. 101
- ✗ 3. 111
- ✓ 4. 99

Q.15 Sunil starts from Point A and travels 8 km towards north, turns left and travels 6 km, and then turns right and covers another 7 km. He then turns right and travels another 6 km. How far (shortest distance) is he from Point A? (All turns are 90-degree turns only.)

Ans
- ✗ 1. 4 km
- ✗ 2. 5 km
- ✗ 3. 10 km
- ✓ 4. 15 km

Q.16 Ramu ran 60 km towards the west, turned left and ran 15 km. He then turned left and ran 40 km. In which direction is Ramu facing at the end? (All turns are 90 degrees unless specified)

Ans
- ✓ 1. East
- ✗ 2. North
- ✗ 3. South
- ✗ 4. West

Q.17 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. GE−BC
✘ 2. TR−PN
✘ 3. RP−NL
✘ 4. WU−SQ

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. (Note: All numbers are single digit numbers only).

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

If all the symbols are dropped from the series, which of the following will be seventh from the right?

Ans
✘ 1. 0
✘ 2. 2
✔ 3. 1
✘ 4. 3

Q.19 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) 9 # % 2 ^ @ 3 & 1 $ 5 Ω 7 % # 6 * £ 5 (Right)

If all the symbols are dropped from the series, which of the following will be fifth from the right?

Ans
✘ 1. 5
✔ 2. 1
✘ 3. 3
✘ 4. 7

Q.20 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

INQ23 JOR32 KPS41 LQT50 ?

Ans
✘ 1. MRU58
✘ 2. MRV59
✔ 3. MRU59
✘ 4. MRV58

Q.21 Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

HO-JQ-MP
KR-MT-PS

Ans
✘ 1. NU-PW-RV
✘ 2. MU-PW-RV
✘ 3. MU-OW-SV
✔ 4. NU-PW-SV

Q.22 What should come in place of the question mark (?) in the given series?

162 ? 42 22 12 7

Ans
✔ 1. 82
✘ 2. 78
✘ 3. 76
✘ 4. 74

Q.23 In a row of 59 people facing the north, Bela sits 20th from the left end. If Ajeet sits 16th to the right of Bela, what is Ajeet's position from the right end of the line?

Ans
✘ 1. 26th
✘ 2. 21st
✘ 3. 22nd
✔ 4. 24th

Q.24 In a certain code language, 'she has guts' is coded as 'bs kr ni' and 'packet has gone' is coded as 'ud ni gy'. How is 'has' coded in the given language?

Ans
✘ 1. bs
✔ 2. ni
✘ 3. kr
✘ 4. ud

Q.25 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged, and '−' and '×' are interchanged?

11 − 2 × 48 + 6 ÷ 15 = ?

Ans
✘ 1. 10
✘ 2. 22
✘ 3. 16
✔ 4. 29

Q.26 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.

JUNE - UJNE - EUJN
LAPS - ALPS - SALP

Ans
✘ 1. BUGS - UBGS - SUGB
✔ 2. FROG - RFOG - GRFO
✘ 3. LOST - OLST - OSTL
✘ 4. MOVE - MVOE - EVOM

Q.27 Kunal ranked 29th from the top and 15th from the bottom in his class. How many students are there in his class?

Ans
✘ 1. 40
✘ 2. 44
✔ 3. 43
✘ 4. 41

Q.28 L, M, N, O, Q, R and S are sitting around a circular table, facing the centre of the table. Q sits to the immediate right of N. Only three people sit between Q and S when counted from the left of Q. Only three people sit between N and M. L sits to the immediate right of R. How many people sit between O and R when counted from the left of R?

Ans
✘ 1. Three
✘ 2. One
✔ 3. Two
✘ 4. Four

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Q.29 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 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.)

(26, 96, 22)
(46, 108, 8)

Ans

✗ 1. (7, 15, 1)

✗ 2. (1, 39, 19)

✗ 3. (30, 63, 2)

✓ 4. (24, 84, 18)

Q.30 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. CE-FH

✗ 2. SU-VX

✓ 3. KM-NO

✗ 4. AC-DF

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