Dedicated Freight Corridor Corporation of India Ltd.
A Government of India (Ministry of Railways) Enterprise
डेडीकेटेड फ्रेट कोरीडोर

Test Date	10/07/2025
Test Time	12:30 PM - 2:00 PM
Subject	Executive S and T

Section : **Mathematics Numerical Ability**

Q.1 **The HCF and the LCM of two numbers are 14 and 196, respectively. If one of the numbers is 98, find the other one.**

Ans
- ✗ A. 42
- ✓ B. 28
- ✗ C. 112
- ✗ D. 35

Q.2 **2 bags and 10 pens together cost ₹720, whereas 8 bags and 15 pens together cost ₹1,205. The cost of 18 bags exceeds the cost of 3 pens by:**

Ans
- ✗ A. ₹250
- ✓ B. ₹249
- ✗ C. ₹246
- ✗ D. ₹251

Q.3 **M and N can do a piece of work in 16 days and O can do it in 48 days. In how many days will M, N, and O do this work together?**

Ans
- ✗ A. 14
- ✗ B. 16
- ✓ C. 12
- ✗ D. 10

Q.4 **A manufacturer sells a product to a wholesaler at a profit of 25%. The wholesaler, in turn, sells it to a retailer at a profit of 50%, and the retailer sells it to a customer at a profit of 20%. If the customer pays ₹504, find the cost price (in ₹) for the manufacturer.**

Ans
- ✗ A. ₹227
- ✗ B. ₹223
- ✓ C. ₹224
- ✗ D. ₹225

Q.5 Simplify $\frac{1+\cos\theta}{\sin\theta}+\frac{\sin\theta}{1+\cos\theta}$.

Ans
- ✗ A. $2\sec\theta$
- ✓ B. $2\operatorname{cosec}\theta$
- ✗ C. $\frac{2}{\operatorname{cosec}\theta}$
- ✗ D. $\frac{2}{\sec\theta}$

Q.6 Mohan bought 51 books for ₹1,150 from one shop and 48 books for ₹920 from another. What is the average price (in ₹, rounded off to two decimal places) did he pay per book?

Ans

✗ A. 23.91

✓ B. 20.91

✗ C. 22.91

✗ D. 21.91

Q.7 Three partners invested in a business in the ratio 6 : 9 : 8. They invested their capitals for 12 months, 10 months and 3 months, respectively. What was the ratio of their profits?

Ans

✗ A. 11 : 15 : 4

✓ B. 12 : 15 : 4

✗ C. 10 : 15 : 4

✗ D. 9 : 15 : 4

Q.8 Find the number of bricks, each measuring 10 cm × 36 cm × 16 cm, required to construct a wall 51 m long, 26 m high and 0.6 m thick, while the sand and cement mixture occupies 20% of the total volume of the wall.

Ans

✗ A. 110600

✓ B. 110500

✗ C. 110200

✗ D. 110700

Q.9 Aakash, Suman, and Raj invest ₹1,720, ₹1,690, and ₹1,240, respectively to start a business. If the profit at the end of the year is ₹1,440, then what is the share of Raj in the profit?

Ans

✓ A. ₹384

✗ B. ₹385

✗ C. ₹382

✗ D. ₹381

Q.10 The expenditure of Sudha is 125% more than her savings. If her expenditure decreases by 6% and savings increase by 39.5%, then by what percentage will her income increase?

Ans

✗ A. 10%

✗ B. 12%

✓ C. 8%

✗ D. 7%

Q.11 Two spheres of radius 9 units and 10 units are melted to form a sphere of radius 1 unit and another sphere. What is the value of the diameter of the other sphere (in units)?

Ans

✗ A. 12

✗ B. 18

✗ C. 36

✓ D. 24

Q.12 Two trains of lengths 280 m and 220 m are running towards each other on parallel lines, one at the speed of 70 km/hr and another at 50 km/hr, respectively. How much time (in seconds) will they take to cross each other?

Ans

✗ A. 18

✗ B. 12

✗ C. 10

✓ D. 15

Q.13 The sum of the present ages of A, B and C is 131 years. 17 years ago from now, the ratio of their ages was 6 : 10 : 4. What is the present age of C (in years)?

Ans

✗ A. 34

✗ B. 32

✓ C. 33

✗ D. 30

Q.14 A man sold an article for ₹147 by first giving a d% discount on its marked price, and then another discount having the same nominal value (in ₹). If the marked price of the article is ₹420, then what will be the value of d?

Ans

✓ A. 32.5

✗ B. 30.3

✗ C. 31.6

✗ D. 33.1

Q.15 Write the expanded form of $(9a + 8b + 2c)^2$.

Ans

✗ A. $81a^2 + 64b^2 + 4c^2 + 144ab + 32bc + 46ac$

✓ B. $81a^2 + 64b^2 + 4c^2 + 144ab + 32bc + 36ac$

✗ C. $81a^2 + 64b^2 + 4c^2 + 144ab + 27bc + 36ac$

✗ D. $81a^2 + 64b^2 + 4c^2 + 148ab + 32bc + 36ac$

Q.16 The cost price of an article is ₹225, and its marked price is ₹900. If the seller offers a 58% discount on the marked price, what is his profit percentage?

Ans

✓ A. 68%

✗ B. 66%

✗ C. 65%

✗ D. 0.67%

Q.17 A polygon has 13 sides. How many triangles can be drawn using the vertices of the polygon?

Ans

✗ A. 256

✗ B. 186

✓ C. 286

✗ D. 295

Q.18 A man goes from place A to B at a speed of 3 km/hr and returns from B to A at a speed of 14 km/hr using the same route. The average speed (km/hr) for the whole journey is:

Ans

✗ A. $7\frac{1}{7}$

✗ B. $5\frac{1}{17}$

✗ C. $6\frac{6}{17}$

✓ D. $4\frac{16}{17}$

Q.19 $Find\ the\ value\ of\ y, satisfying\ 14 \times 5 \times 765 \div \sqrt{2601} = y + 658$

Ans

✓ A. 392

✗ B. 400

✗ C. 382

✗ D. 391

Q.20 The profit made on a product is 49%. What is the loss percentage (rounded up to two decimal places) incurred on the sale if the figures of both the cost price and selling price are interchanged?

Ans

✗ A. 35.05%

✓ B. 32.89%

✗ C. 34.37%

✗ D. 30.88%

Q.21 The mean marks of the following distribution is:

Marks Obtained	No. of Students
10	14
67	13
23	2
19	17

Ans

✗ A. 14

✗ B. 38

✗ C. 24

✓ D. 30

Q.22 P can do a piece of work in 40 days. He worked on it for 10 days and then Q finished the work in 30 days. In how many days can P and Q together finish the work?

Ans

✗ A. 10

✓ B. 20

✗ C. 18

✗ D. 14

Q.23 $Evaluate\ 4.22\overline{4} - 5.22\overline{4} + 6.22\overline{4}\cdot$

Ans

✓ A. $\frac{4702}{900}$

✗ B. $\frac{4602}{909}$

✗ C. $\frac{5002}{900}$

✗ D. $\frac{4802}{1100}$

Q.24 Rahul saves his monthly salary in the following manner: he invests ₹12,000 in mutual funds, which accounts for 15% of his salary. From the remaining amount, he allocates 25% to a children's education policy, and from the remaining amount after that, he spends 10% on health insurance. Find his total monthly savings.

Ans

✗ A. ₹30,750

✓ B. ₹34,100

✗ C. ₹32,500

✗ D. ₹32,750

Q.25 What is the mode of the following data?
74, 64, 77, 81, 61, 62, 64, 60, 67, 71, 61, 76, 71, 63, 76, 90, 77, 60, 75, 66, 82, 74, 77, 90, 79

Ans
- ✗ A. 81
- ✗ B. 64
- ✗ C. 74
- ✓ D. 77

Q.26 In how many years does a sum of money become three times of itself at the rate of $6\frac{1}{4}\%$ simple interest per annum?

Ans
- ✗ A. 48
- ✗ B. 36
- ✗ C. 16
- ✓ D. 32

Q.27 The average of 8 numbers is 37. If each number is decreased by 3, what will the new average be?

Ans
- ✗ A. 31
- ✗ B. 37
- ✓ C. 34
- ✗ D. 8

Q.28 Two vessels, A and B, contain a mixture of milk and water in the ratio of 1 : 4 and 5 : 4, respectively. In what ratio should the mixtures in vessels A and B be mixed, such that the resultant mixture contains half milk and half water?

Ans
- ✗ A. 5 : 13
- ✗ B. 4 : 25
- ✓ C. 5 : 27
- ✗ D. 3 : 13

Q.29 The volume of a sphere is decreased to $\frac{8}{27}$ times of its initial volume. By what percentage does its radius decrease? (Round off your answer to the nearest integer.)

Ans
- ✗ A. 41%
- ✗ B. 27%
- ✗ C. 38%
- ✓ D. 33%

Q.30 In a city with a population of 50,35,450, the birth rate and death rate annually are 6.6% and 2.6%, respectively. Find the population of the city after 2 years. (Rounded up to the nearest integer.)

Ans
- ✓ A. 54,46,343
- ✗ B. 54,46,000
- ✗ C. 54,46,300
- ✗ D. 54,46,900

Section : **General Awareness**

Q.1 Which of the following ministries declared 2025 as the 'year of reforms'?

Ans
- ✗ A. Ministry of Finance
- ✗ B. Ministry of Home Affairs
- ✗ C. Ministry of External Affairs
- ✓ D. Ministry of Defence

Q.2 **Why is the Harappan civilisation also referred to as the Indus Valley civilisation?**

Ans

✗ A. Because it was contemporaneous with the Mesopotamian civilisation

✓ B. Because majority of its settlements were discovered in and around the plains of the river Indus

✗ C. Because it was the first urban culture of India

✗ D. Because it was discovered in the Indus Valley

Q.3 **According to the National Statistical Office (NSO), how is an unemployed person identified?**

Ans

✗ A. Anyone who earns below the poverty line

✓ B. Anyone who is not able to get employment for even one hour in half a day

✗ C. Anyone who voluntarily chooses not to work

✗ D. Anyone who does not work for an entire week

Q.4 **Which country is collaborating with India through an MoU titled 'co-operation in the field of wildlife conservation and management'?**

Ans

✗ A. Australia

✓ B. South Africa

✗ C. Tanzania

✗ D. Kenya

Q.5 **What was the significance of Subhash Chandra Bose's escape to Berlin in 1941?**

Ans

✗ A. It was a symbolic gesture to demonstrate his commitment to the cause of Indian independence.

✗ B. It was a tactical move to evade British surveillance and arrest.

✗ C. It marked the beginning of his involvement in the Indian independence movement.

✓ D. It was a strategic decision to seek German support for India's independence.

Q.6 **Whom did the soldiers proclaim as their leader after releasing the imprisoned sepoys?**

Ans

✗ A. Rani Lakshmibai

✓ B. Bahadur Shah Zafar

✗ C. Nana Sahib

✗ D. Mangal Pandey

Q.7 **Which application on the 'Sambhav' smartphone is considered equivalent to WhatsApp for messaging and sharing documents?**

Ans

✗ A. M- Share

✗ B. M- Chat

✗ C. M- Connect

✓ D. M- Sigma

Q.8 **In 2024, the Indian government introduced the 'One Nation, One Election' bill. What is the primary objective of this bill?**

Ans

✗ A. To reduce the voting age to 16

✗ B. To introduce electronic voting machines nationwide

✗ C. To implement a uniform voting system across the country

✓ D. To conduct simultaneous elections for the Lok Sabha, state legislatures and local bodies

Q.9 **Which of the following statements related to seasons is INCORRECT?**

Ans

✓ A. Indian Meteorological Department designates three official seasons.

✗ B. Seasons in the Northern Hemisphere are the opposite to those in the Southern Hemisphere.

✗ C. Season is a period of the year that is distinguished by special climate conditions.

✗ D. Seasons have good influence on vegetation and plant growth.

Q.10 **Under the Indian Constitution, the distribution of legislative powers between the Centre and States is outlined in:**

Ans

✗ A. Schedule VI

✗ B. Schedule VIII

✓ C. Schedule VII

✗ D. Schedule IX

Q.11 **As of 2024, how many projects have been successfully completed under the National Mission for Clean Ganga (NMCG)?**

Ans

✓ A. 25

✗ B. 35

✗ C. 30

✗ D. 20

Q.12 **Which of the following UNESCO World Heritage Sites in India is known for its intricate rock-cut architecture and frescoes depicting Jataka tales?**

Ans

✗ A. Red Fort Complex

✓ B. Ajanta Caves

✗ C. Sun Temple, Konark

✗ D. Hampi Monuments

Q.13 **What does 'disinvestment' refer to in the context of privatisation?**

Ans

✗ A. The government imposing restrictions on private sector growth

✗ B. Complete shutdown of all public sector units

✗ C. The government increasing its investment in public sector enterprises

✓ D. The government selling part of its equity in public sector enterprises (PSEs)

Q.14 **Where were the Pravasi Bharatiya Samman Awards 2025 conferred?**

Ans

✗ A. New Delhi

✗ B. Bengaluru

✓ C. Bhubaneswar

✗ D. Mumbai

Q.15 **The Fifth Schedule of the Indian Constitution deals with the:**

Ans

✗ A. distribution of powers between the Union and States

✗ B. provisions for the panchayats in rural areas

✗ C. administration of Union Territories

✓ D. administration and control of scheduled areas and scheduled tribes

Section : **General Science**

Q.1 **If the mass of a body is increased, the inertia:**

Ans

✗ A. decreases

✗ B. remains the same

✗ C. becomes zero

✓ D. increases

Q.2 **Which of the following best describes the structure of benzene?**

Ans

✗ A. A straight chain of six carbon atoms

✓ B. A six-membered ring with alternating single and double bonds

✗ C. A branched chain of six carbon atoms

✗ D. A five-membered ring with one double bond

Q.3 **Rough endoplasmic reticulum looks rough under a microscope, because it has particles called _____ attached to its surface.**

Ans

✗ A. mitochondria

✗ B. vacuoles

✓ C. ribosomes

✗ D. lysosomes

Q.4 **Which of the following is NOT correct regarding excretion in plants?**

Ans

✗ A. In plants, oxygen itself can be thought of as a waste product generated during photosynthesis.

✗ B. Plants also excrete some waste substances into the soil around them.

✓ C. Plant waste products are stored in cellular mitochondria.

✗ D. Plants can get rid of excess water by transpiration.

Q.5 **Which of the following is one of the methods to prevent the corrosion of metals?**

Ans

✗ A. Cathodising

✗ B. Treating with acid

✗ C. Exposing to sunlight

✓ D. Anodising

Q.6 **Which of the following reactions is an example of a non-metallic oxide reacting with a base?**

Ans

✗ A. $Zn\ (s) + 2NaOH(aq) \rightarrow Na_2ZnO_2\ (aq) + H_2\ (g)$

✗ B. $CuO\ (s) + HCl(aq) \rightarrow CuCl_2\ (aq) + H_20\ (l)$

✓ C. $CO_2\ (g) + 2NaOH\ (aq) \rightarrow Na_2CO_3\ (aq) + H_2O\ (l)$

✗ D. $NaOH\ (aq) + HCl\ (aq) \rightarrow NaCl\ (aq) + H_2O\ (l)$

Q.7 **White light is dispersed into its seven colour components by a prism. Which of the following is the correct explanation for this?**

Ans

✗ A. Different colours bend by the same angle.

✗ B. The incident white light is reflected.

✗ C. There is no bending of light.

✓ D. Different colours bend by different angles.

Q.8 **Which of the following is the site for embryo implantation?**

Ans

✓ A. Uterus

✗ B. Ovary

✗ C. Oviduct

✗ D. Placenta

Q.9 **The fuse in an electrical circuit breaks the circuit open when a high current flows. Which of the following is responsible for this?**

Ans

✗ A. Leaking of electrons in the circuit

✗ B. Leaking of potential difference in the circuit

✓ C. Heating effect of current

✗ D. Cooling effect of current

Q.10 **In the following reaction, which substance is getting reduced?**

$MnO_2 + 4HCl \rightarrow MnCl_2 + 2H_2O + Cl_2$

Ans

✗ A. $MnCl_2$

✗ B. HCl

✓ C. MnO_2

✗ D. Cl_2

Q.11 An iron nail sinks in water while an iron plate of same mass floats. Which of the following statements is a correct explanation?

Ans

✔ A. The surface area of the plate is larger than the surface area of the nail.

✘ B. The density of the nail is less than that of the plate.

✘ C. The weight of the nail is higher than that of the plate.

✘ D. The phenomenon is independent of the densities of the nail and the plate.

Q.12 Which of the following statements correctly justify that sulphur is a non-metal, while aluminum is a metal?

Ans

✔ A. Aluminium is malleable and ductile, whereas sulphur is brittle.

✘ B. Both aluminium and sulphur are lustrous, but only aluminium conducts electricity.

✘ C. Sulphur is malleable and ductile, whereas aluminium is a good conductor of heat.

✘ D. Aluminium is a good conductor of heat and electricity, while sulphur is only a good conductor of heat.

Q.13 Which of the following statements is NOT correct?

Ans

✘ A. When a body vibrates, it creates pressure waves.

✘ B. A vibrating body produces sound.

✘ C. Pressure waves create vibration in the molecules of the air.

✔ D. A vibrating body does not produce sound.

Q.14 Which of the following statements is correct for the length of the food chain?

Ans

✘ A. The length is constant, but the complexity varies.

✔ B. The length and complexity of food chains vary as per the ecosystem.

✘ C. The length and complexity of the food chain are constant.

✘ D. The length varies, but the complexity of the food chain is constant.

Q.15 Which of the following is a correct function of saprophytes in waste management?

Ans

✔ A. Breaks down the biodegradable substances only

✘ B. Breaks down the non-biodegradable substances only

✘ C. Breaks down plastic only

✘ D. Breaks down everything

Section : **Logical Reasoning General Intelligence**

Q.1 Manoj ranked 45^{th} from the top and 34^{th} from the bottom in his class. How many students are there in his class?

Ans

✘ A. 76

✔ B. 78

✘ C. 79

✘ D. 77

Q.2 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) @ ∞ 2 + 7 # 9 $ 5 > 1 3 5 µ 9 & 4 ? 3 5 < 6 8 ! + 2 3 @ $ 4 (Right)

How many such symbols are there which are immediately preceded by an even digit and also immediately followed by a prime number?

Ans

✘ A. One

✔ B. Two

✘ C. Three

✘ D. None

Q.3 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 windows are doors.
Some doors are seats.

Conclusions:

(I) Some windows are seats.
(II) All seats are doors.

Ans

✔ A. Neither conclusion (I) nor (II) follows.

✘ B. Only conclusion (I) follows.

✘ C. Only conclusion (II) follows.

✘ D. Both conclusions (I) and (II) follow.

Q.4 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 ^ $ 4 2 @ % 3 6 ≺ 1 Ω ≡ 5 7 * 8 & (Right)

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

Ans

✘ A. 5

✘ B. 7

✔ C. 1

✘ D. 6

Q.5 Refer to the following letter series and answer the question that follows.

(Left) P R M E Y K D Y L K U G J A W Z F D (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

Ans

✘ A. Two

✘ B. One

✔ C. Three

✘ D. Four

Q.6 In a certain code language, 'ROPE' is coded as '4158' and 'CROP' is coded as '5817'. What is the code for 'C' in the given code language?

Ans

✔ A. 7

✘ B. 8

✘ C. 1

✘ D. 5

Q.7 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) % 4 6 6 2 # 1 1 8 2 & € 9 * 1 * £ 5 7 £ & © (Right)

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

Ans

✘ A. 3

✘ B. 4

✔ C. 2

✘ D. 1

Q.8 Richard starts from Point A and drives 8 km towards west. He then takes a left turn, drives 6 km, turns left and drives 10 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 2 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

✗ A. 3 km to north

✓ B. 3 km to south

✗ C. 4 km to north

✗ D. 4 km to south

Q.9 Refer to the following letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) £ B Ω Y # G T % D A C & @ U $ K Q & R E S * (Right)

How many such symbols are there which are immediately preceded by a symbol and also immediately followed by a letter?

Ans

✗ A. Two

✗ B. Four

✗ C. Three

✓ D. One

Q.10 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 caps are hats.
All masks are hats.

Conclusions:

(I) Some caps are masks.
(II) Some hats are masks.

Ans

✗ A. Only conclusion (I) follows.

✓ B. Only conclusion (II) follows.

✗ C. Both conclusions (I) and (II) follow.

✗ D. Neither conclusion (I) nor (II) follows.

Q.11 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

OBE : MCB
PGJ : NHG

Ans

✗ A. PLG : NKD

✗ B. LFD : JGB

✓ C. NRF : LSC

✗ D. VUJ : TWG

Q.12 If the number 6928715 is rearranged in ascending order from left to right, what is the sum of the digits that are third from the left and first from the right of the number thus formed?

Ans

✗ A. 10

✗ B. 15

✗ C. 16

✓ D. 14

Q.13 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

✗ A. DL–BJ

✗ B. AI–YG

✗ C. NV–LT

✓ D. EL–GN

Q.14 B is the mother of C. C is the father of D. E is the brother of F. F is the wife of D. How is B related to E?

Ans

✗ A. Husband's father's mother

✗ B. Husband's father's sister

✓ C. Sister's husband's father's mother

✗ D. Sister's husband's father's sister

Q.15 XX 9 is related to WZ 3 in a certain way. In the same way, VI 15 is related to UK 9. To which of the given options is GW 3 related, following the same logic?

Ans

✗ A. GH −3

✗ B. GT 4

✗ C. YG 2

✓ D. FY −3

Q.16 In a certain code language, 'HUST' is coded as '7@63' and 'TRUS' is coded as '3@62'. What is the code for 'R' in the given code language?

Ans

✗ A. @

✗ B. 3

✓ C. 2

✗ D. 6

Q.17 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

 # : CKP :: RRF : %

Ans

✗ A. # = GDY, % = NIF

✗ B. # = HOP, % = BIP

✓ C. # = GNR, % = NOD

✗ D. # = GOP, % = NOD

Q.18 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

✗ A. HR – DU

✓ B. JD – GH

✗ C. ZX – VA

✗ D. RD – NG

Q.19 Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) S B N F E M I C X H O Q A W D E H G U Y O (Right)

How many such consonants are there each of which is immediately preceded by a vowel and also immediately followed by a vowel?

Ans

✗ A. Two

✓ B. Three

✗ C. One

✗ D. None

Q.20 Seven people, A, B, G, H, O, P and S, are sitting around a circular table facing the centre. O sits fourth to the left of B. Only two people sit between P and A, when counted from the left of P. S sits third to the left of H. G is an immediate neighbour of H and A. Who sits third to the right of G?

Ans

✗ A. B

✗ B. A

✓ C. S

✗ D. P

Q.21 Mr. Oli starts from Point A and drives 19 km towards the south. He then takes a left turn, drives 6 km, turns left and drives 29 km. He then takes a left turn and drives 23 km. He takes a final left turn, drives 10 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

✗ A. 16 km to the west

✗ B. 17 km to the south

✓ C. 17 km to the east

✗ D. 16 km to the north

Q.22 If + means −, − means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

22 + 4 − 6 ÷ 28 × 4 = ?

Ans

✗ A. 9

✓ B. 5

✗ C. 0

✗ D. 1

Q.23 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then what will come in place of the question mark (?) in the following equation?

45 C 135 A 15 B 2 D 31 = ?

Ans

✗ A. 28

✗ B. 27

✓ C. 32

✗ D. 29

Q.24 What should come in place of the question mark (?) in the given series?

25 29.4 34.9 41.5 49.2 58 ?

Ans

✓ A. 67.9

✗ B. 69.2

✗ C. 62.5

✗ D. 64.9

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

830 831 829 830 828 829 827 ?

Ans
- ✗ A. 827
- ✓ B. 828
- ✗ C. 829
- ✗ D. 830

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
- ✗ A. OLP
- ✓ B. ZWX
- ✗ C. PMQ
- ✗ D. SPT

Q.27 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

SA 111, XY 88, CW 65, HU 42, ?

Ans
- ✗ A. KT 15
- ✓ B. MS 19
- ✗ C. NT 12
- ✗ D. LR 11

Q.28 In a certain code language,
'A + B' means 'A is the sister 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 Y if 'W + E ÷ R × T – Y'?

Ans
- ✓ A. Brother's wife's father's sister
- ✗ B. Brother's wife's mother's mother
- ✗ C. Brother's wife's father's mother
- ✗ D. Brother's wife's mother's sister

Q.29 Seven people, K, L, M, N, O, P and Q, are sitting in a straight line, facing north. Only three people sit between O and Q. Only five people sit to the right of O. K sits to the immediate left of M. L sits second to the right of K. P is not an immediate neighbour of Q.
Who sits at the extreme right end of the line?

Ans
- ✗ A. Q
- ✗ B. P
- ✓ C. N
- ✗ D. L

Q.30 54 people are standing in a row facing North. Yash is 24th from the left end, while Rajib is 13th from the right end. How many people are there between Yash and Rajib?

Ans
- ✓ A. 17
- ✗ B. 16
- ✗ C. 15
- ✗ D. 18

Section : **Knowledge about Railways DFCCIL**

Q.1 Which railway station is the highest in India?

Ans

✗ A. Darjeeling railway station

✗ B. Shimla railway station

✓ C. Ghum railway station

✗ D. Ooty railway station

Q.2 In 1845, _____ built the Godavari Dam Construction Railway at Dowleswaram in Rajahmundry to transport stone needed for constructing a dam over the Godavari River.

Ans

✗ A. Mokshagundam Visvesvaraya

✗ B. James Rennell

✗ C. Robert Bruce Foote

✓ D. Sir Arthur Cotton

Q.3 How many stations have been identified for development under the Amrit Bharat Station Scheme, as of December 2024?

Ans

✓ A. 1337

✗ B. 1115

✗ C. 1448

✗ D. 1226

Q.4 WDG3A, WDP4, WDG4 are the different types of locomotives in India. The letter 'W' in these names represents _____.

Ans

✗ A. weighted power

✗ B. metre gauge

✗ C. narrow gauge

✓ D. broad gauge

Q.5 Under which Act was DFCCIL incorporated as a Schedule A company?

Ans

✗ A. Railway Act, 1989

✗ B. Companies Act, 2013

✗ C. Infrastructure Development Act, 2001

✓ D. Companies Act, 1956

Q.6 What is the target year by which Indian Railways aims to become a Net Zero Carbon Emitter?

Ans

✗ A. 2040

✓ B. 2030

✗ C. 2050

✗ D. 2025

Q.7 Which of the following states is NOT part of the Eastern Dedicated Freight Corridor?

Ans

✓ A. Tamil Nadu

✗ B. Punjab

✗ C. West Bengal

✗ D. Jharkhand

Q.8 In September 2024, how many new Vande Bharat Express trains were launched by Prime Minister Narendra Modi in Jharkhand?

Ans

✗ A. Four

✓ B. Six

✗ C. Seven

✗ D. Five

Q.9 **Which Indian ministry oversees the operations of DFCCIL?**

Ans

✔ A. Ministry of Railways

✘ B. Ministry of Transport

✘ C. Ministry of Commerce

✘ D. Ministry of Finance

Q.10 **In which year was the railway line between Bombay to Thane constructed?**

Ans

✘ A. 1845

✘ B. 1832

✘ C. 1837

✔ D. 1853