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	4:00 PM - 5:30 PM
Subject	Executive Civil

Section : **Mathematics Numerical Ability**

Q.1 **A field is in the shape of a right angled triangle whose base is 32 m and height is 23 m. What is the cost of leveling the field at the rate of ₹33 per square metre?**

Ans
- ✗ A. ₹14,168
- ✗ B. ₹11,266
- ✓ C. ₹12,144
- ✗ D. ₹13,123

Q.2 **The average price of three items of furniture is ₹17,235. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:**

Ans
- ✗ A. 3,447
- ✗ B. 5,745
- ✓ C. 10,341
- ✗ D. 8,043

Q.3 **Three numbers are in the ratio 9 : 17 : 13, and their LCM is 7956. Their HCF is:**

Ans
- ✗ A. 21
- ✓ B. 4
- ✗ C. 40
- ✗ D. 20

Q.4 **Trisha and Riya together invested ₹44,700 in a business. At the end of the year, out of a total profit of ₹5,000, Trisha's share was ₹1,700. What was the investment of Riya?**

Ans
- ✗ A. ₹29,140
- ✗ B. ₹29,005
- ✓ C. ₹29,502
- ✗ D. ₹28,740

Q.5 **A person walks a distance of 1600 metres in five minutes. Find their speed in km/hr.**

Ans
- ✗ A. 19.6
- ✓ B. 19.2
- ✗ C. 18.5
- ✗ D. 20.2

Q.6 **The cost price of an article is ₹170, and its marked price is ₹476. If the seller offers a 50% discount on the marked price, what is his profit percentage?**

Ans
- ✗ A. 43%
- ✓ B. 40%
- ✗ C. 39%
- ✗ D. 42%

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Q.7 A person sold a table at a profit of $6\frac{1}{2}\%$. If he had sold it for ₹1,200 more, he would have gained 19%. Find the CP of the table.

Ans
- ✗ A. ₹9,800
- ✗ B. ₹9,700
- ✗ C. ₹9,500
- ✓ D. ₹9,600

Q.8 **A manufacturer fixes his selling price at 25% over the cost of production. If the cost of production goes up by 25%, and the manufacturer raises his selling price by 32%, find the new profit percentage.**

Ans
- ✗ A. 33%
- ✗ B. 30%
- ✗ C. 34%
- ✓ D. 32%

Q.9 **The smallest 1-digit number to be added to the 6-digit number 166033 so that it is completely divisible by 11 is:**

Ans
- ✗ A. 6
- ✗ B. 9
- ✓ C. 1
- ✗ D. 3

Q.10 **The cost of a washing machine is 80% less than the cost of a TV. If the cost of the washing machine increases by 81% and that of the TV decreases by 12%, then what will be the percentage change in the total cost of 5 washing machines and 4 TVs?**

Ans
- ✗ A. Increase by 4%
- ✗ B. Decrease by 1%
- ✓ C. Increase by 6.6%
- ✗ D. Decrease by 11%

Q.11 **Pipes A and B can fill an empty cistern in 28 minutes and 56 minutes, respectively. Both Pipe A and Pipe B are opened together. After how much time should Pipe B be turned off so that the empty cistern is completely filled in a total of 19 minutes?**

Ans
- ✓ A. 18 minutes
- ✗ B. 15 minutes
- ✗ C. 12 minutes
- ✗ D. 10 minutes

Q.12 **How long will it take for an investment of ₹7,000 to grow to ₹14,000, at an interest rate of 10% compounded annually? (Rounded off to the next nearest integer.)**

(Given log (1.1) = 0.0413 and log 2 = 0.3010)

Ans
- ✗ A. 10 years
- ✗ B. 9 years
- ✓ C. 8 years
- ✗ D. 7 years

Q.13 ABCD is a quadrilateral with angles $\angle A = 3(x - 3)^\circ$, $\angle B = 2(2x - 7)^\circ$, $\angle C = 74^\circ$ and $\angle D = \angle C - 3^\circ$. What is the value of $\angle B$?

Ans
- ✗ A. 125°
- ✗ B. 112°
- ✓ C. 122°
- ✗ D. 118°

Q.14 Water flows out through a circular pipe whose internal diameter is 2 cm, at the rate of 5 metres per second into a cylindrical tank, the radius of whose base is 100 cm. By how much will the level of water rise in 30 minutes?

Ans
✗ A. 94 cm
✓ B. 90 cm
✗ C. 92 cm
✗ D. 95 cm

Q.15 Which positive number should replace both the question marks in the following equation?

$$\frac{?}{13} = \frac{637}{?}$$

Ans
✗ A. 83
✗ B. 87
✓ C. 91
✗ D. 90

Q.16 A man sold an article for ₹624 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 ₹1,040, then what is the value of d?

Ans
✗ A. 24
✗ B. 18
✓ C. 20
✗ D. 25

Q.17 If $X.\cos^2 30^\circ \sec 12^\circ \cot 61^\circ = \frac{\tan 29^\circ . \operatorname{cosec} 78^\circ}{\operatorname{cosec} 30^\circ \tan 45^\circ}$, then the value of X is:

Ans
✗ A. $\sqrt{\frac{2}{3}}$
✗ B. 0
✓ C. $\frac{2}{3}$
✗ D. 2

Q.18 P, Q and R started a business by investing ₹1,830, ₹970, and ₹860, respectively. If Q's share in the profit earned is ₹575. what is the difference in the profits earned by P and R?

Ans
✗ A. ₹572
✗ B. ₹573
✗ C. ₹574
✓ D. ₹575

Q.19 The sum of the age of A and 5 times the age of B is 67 years. When 9 times the age of A is added to 5 times the age of B, the result is 83 years. The sum of the ages (in years) of A and B is:

Ans
✗ A. 20
✗ B. 13
✗ C. 11
✓ D. 15

Q.20 A water tank can be filled by a tap in 40 minutes and another tap can fill it in 45 minutes. If both the taps are kept open for 15 minutes and then the first tap is closed, then how much more time will it take for the tank to be full?

Ans
✗ A. $11\frac{3}{5}$ minutes

✓ B. $13\frac{1}{8}$ minutes

✗ C. $10\frac{2}{7}$ minutes

✗ D. $12\frac{5}{9}$ minutes

Q.21 What is the mode of the following data?
90, 64, 69, 64, 68, 80, 60, 79, 64, 66, 62, 76, 68, 71, 62, 66, 76, 66, 68, 90, 80, 86, 64, 72, 75, 73, 64

Ans
✗ A. 68

✓ B. 64

✗ C. 90

✗ D. 69

Q.22 If the mean of the following data is 51, then the value of X is:

xi	40	50	60	65
fi	19	X	16	26

Ans
✗ A. 295

✗ B. 290

✗ C. 326

✓ D. 299

Q.23 The average of 6.5, 10.7, 20 and a is 17. The value of a is:

Ans
✗ A. 29.8

✓ B. 30.8

✗ C. 32.8

✗ D. 31.8

Q.24 Evaluate: $866^2 - 134^2$

Ans
✗ A. 733000

✓ B. 732000

✗ C. 730000

✗ D. 731000

Q.25 Ramesh bought 20 kg tomatoes at ₹48 per two kg, 30 kg tomatoes at ₹40 per two kg, and 10 kg tomatoes at ₹30 per 3 kg. Find the average cost of tomatoes per five kg (nearest in ₹).

Ans
✗ A. ₹86

✗ B. ₹105

✗ C. ₹89

✓ D. ₹98

Q.26 The HCF and the LCM of two numbers are 17 and 204, respectively. If one of the numbers is 68, find the other one.

Ans
✗ A. 120
✓ B. 51
✗ C. 50
✗ D. 90

Q.27 Vikas spends 20% of his monthly salary on house rent; 36% of the remaining, he spends on his children's education; and 45% of the remaining salary, he spends on food. After his expenditures, he is left with ₹5,632. Find the monthly salary of Vikas.

Ans
✗ A. ₹22,000
✗ B. ₹23,500
✗ C. ₹21,500
✓ D. ₹20,000

Q.28 I walk at a speed of 4 km/hr and reach my destination in 3 hours. If I increase my speed by 6 km/hr, how much earlier would I reach the destination?

Ans
✗ A. 1.4 hours
✗ B. 1.6 hours
✓ C. 1.8 hours
✗ D. 2 hours

Q.29 A cylindrical rod has an outer curved surface area of 6600 cm^2. If the length of the rod is 78 cm, then the outer radius (in cm) of the rod (correct to two decimal places) is:

(Take $\pi = \frac{22}{7}$)

Ans
✗ A. 14.31
✓ B. 13.46
✗ C. 14.17
✗ D. 12.89

Q.30 At what rate percent per annum will the simple interest on a sum of ₹12,000 be ₹2,496 in two years?

Ans
✗ A. 8.6%
✗ B. 9.8%
✓ C. 10.4%
✗ D. 7.5%

Section : **General Awareness**

Q.1 At which place in India did the SLINEX 2024, a bilateral naval exercise between India and Sri Lanka, take place?

Ans
✗ A. Kolkata
✓ B. Vishakhapatnam
✗ C. Chennai
✗ D. Cochin

Q.2 Which of the following is a well-known Harappan sculpture that depicts a male figure?

Ans
✗ A. The Yaksha Statue
✗ B. The Pillar of Ashoka
✗ C. The Lion Capital
✓ D. The Bearded Priest

Q.3 Which type of forests in India is known as 'Monsoon Forests'?

Ans
- ✗ A. Thorn forests
- ✗ B. Evergreen forests
- ✗ C. Alpine forests
- ✓ D. Tropical deciduous forests

Q.4 Who were the extremist leaders that wanted the Swadeshi Movement to be intensified throughout India and extended to total independence?

Ans
- ✗ A. Jawaharlal Nehru, Subhas Chandra Bose, Bhagat Singh
- ✗ B. Gopal Krishna Gokhale, Dadabhai Naoroji, Madan Mohan Malaviya
- ✓ C. Bal Gangadhar Tilak, Bipin Chandra Pal, Lala Lajpat Rai, Aurobindo Ghosh
- ✗ D. Mahatma Gandhi, Sardar Patel, Maulana Azad

Q.5 Which season in India is characterised by the retreating monsoon winds?

Ans
- ✗ A. Winter
- ✗ B. Spring
- ✗ C. Summer
- ✓ D. Autumn

Q.6 What is the new limit for collateral free agricultural loans by RBI, effective 1 January 2025?

Ans
- ✗ A. ₹1.5 lakh
- ✗ B. ₹2.5 lakh
- ✓ C. ₹2 lakh
- ✗ D. ₹3 lakh

Q.7 How many key points will be covered in the structured questionnaire for Census 2025?

Ans
- ✓ A. 31
- ✗ B. 40
- ✗ C. 25
- ✗ D. 21

Q.8 What is the key function of a municipal corporation in an urban area?

Ans
- ✗ A. To control rural development programmes
- ✗ B. To regulate national-level economic policies
- ✓ C. To provide urban infrastructure and public services
- ✗ D. To manage election campaigns for state governments

Q.9 Which of the following dynasties that originally belonged to Western China, are also called Yueh-chis?

Ans
- ✗ A. Shungas
- ✓ B. Kushanas
- ✗ C. Satavahanas
- ✗ D. Sakas

Q.10 What record is the Shinkun La Tunnel set to achieve?

Ans
- ✗ A. Fastest constructed tunnel
- ✗ B. Deepest underwater tunnel
- ✓ C. Highest tunnel in the world
- ✗ D. Longest tunnel in India

Q.11 Since the 1991 economic reforms, which of the following measures has most notably influenced India's agricultural sector by encouraging greater market orientation and competitiveness?

Ans
- ✗ A. Increased state control over crop pricing
- ✓ B. Liberalisation of agricultural trade policies
- ✗ C. Expansion of government-run procurement agencies without change
- ✗ D. Enhanced emphasis on traditional subsistence farming practices

Q.12 In case of conflict between the Union and State law on a subject in the Concurrent List, the _____ will prevail.

Ans
- ✗ A. Supreme Court's decision
- ✗ B. Governor's discretion
- ✗ C. Union law
- ✓ D. State law

Q.13 What percentage of ethanol blending was successfully achieved during the Ethanol Supply Year 2023-24 (November-October)?

Ans
- ✗ A. 13.8%
- ✗ B. 10.2%
- ✗ C. 0.15%
- ✓ D. 14.6%

Q.14 What was the pattern of trade between India and the West during the 16^{th}-17^{th} centuries?

Ans
- ✗ A. European goods were in greater demand in India than Indian goods in Europe.
- ✓ B. Indian goods were in greater demand in Europe than European goods in India.
- ✗ C. Trade was balanced between India and the West.
- ✗ D. There was equal demand for Indian and European goods in both regions.

Q.15 Which of the following is NOT a constitutional body under the Indian Constitution?

Ans
- ✗ A. Election Commission of India
- ✗ B. Union Public Service Commission
- ✗ C. Comptroller and Auditor General of India
- ✓ D. National Human Rights Commission

Section : **General Science**

Q.1 One of the best methods for the large scale manufacturing of sodium hydroxide is _____.

Ans
- ✗ A. electrolysis of acetic acid
- ✓ B. electrolysis of brine
- ✗ C. electrolysis of ammonia
- ✗ D. electrolysis of water

Q.2 A coconut falling from a tall coconut tree possesses which of the following forms of energy?

Ans
- ✗ A. Magnetic energy
- ✗ B. Electrical energy
- ✗ C. Chemical energy
- ✓ D. Kinetic energy

Q.3 Which of the following is the correct definition of a homologous series?

Ans
- ✗ A. A group of compounds with varying physical and chemical properties.
- ✓ B. A series of compounds having the same functional group and similar chemical properties.
- ✗ C. A series of compounds with the same molecular formula.
- ✗ D. A series of compounds with different functional groups.

Q.4 The primary consumers occupy the _____ trophic level in the food chain.

Ans
- ✗ A. fourth
- ✗ B. third
- ✓ C. second
- ✗ D. first

Q.5 A hydrocarbon has the molecular formula C_5H_{12}. If one hydrogen atom at the second carbon is replaced by a hydroxyl (-OH) group, what is the correct IUPAC name of the compound?

Ans
- ✗ A. 2-Methylbutanol
- ✗ B. 1-Pentanol
- ✓ C. 2-Pentanol
- ✗ D. Pentanol

Q.6 Which of the following statements are true about the colloids?

i. A colloid is a heterogeneous mixture.
ii. The size of particles of a colloid is too small to be individually seen with naked eyes.
iii. They cannot be separated from the mixture by the process of filtration. But a special technique of separation known as centrifugation can be used to separate the colloidal particles.

Ans
- ✗ A. Only ii and iii
- ✓ B. i, ii and iii
- ✗ C. Only i and ii
- ✗ D. Only i and iii

Q.7 Consider motion of an object along a straight line. If the object is allowed to change its path, which of the following is NOT true?

Ans
- ✗ A. Distance can never be zero.
- ✗ B. Displacement can be zero.
- ✗ C. Distance is always greater than or equal to the displacement.
- ✓ D. Distance can be zero.

Q.8 Why are metals like potassium and sodium kept immersed in kerosene oil?

Ans
- ✓ A. To protect them from reacting with oxygen and catching fire
- ✗ B. To prevent them from rusting
- ✗ C. To improve their conductivity
- ✗ D. To enhance their reactivity

Q.9 Which type of meristematic tissue is present at the growing end of roots?

Ans
- ✓ A. Apical meristem
- ✗ B. Internodal meristematic tissue
- ✗ C. Lateral meristem
- ✗ D. Intercalary meristem

Q.10 If an object is placed between the focus F1 and the optical centre of a convex lens, the image formed is:

Ans
- ✗ A. diminished and virtual
- ✓ B. enlarged and virtual
- ✗ C. diminished and real
- ✗ D. enlarged and real

Q.11 The covering of the nucleus that is double-layered is called _____.

Ans
- ✗ A. nuclear pore
- ✗ B. nucleoplasm
- ✓ C. nuclear membrane
- ✗ D. nuclear lamina

Q.12 The male reproductive part of a flower is called as the:

Ans
- ✗ A. petal
- ✗ B. pistil
- ✗ C. sepal
- ✓ D. stamen

Q.13 What happens to the deflection of the needle of a compass if the compass is moved away from a current carrying copper wire?

Ans
- ✗ A. The deflection remains unchanged.
- ✓ B. The deflection decreases.
- ✗ C. The deflection is at its maximum.
- ✗ D. The deflection increases.

Q.14 An electric current in a conductor is constituted by:

Ans
- ✓ A. flowing electric charge
- ✗ B. sound waves
- ✗ C. light waves
- ✗ D. static electric charge

Q.15 Which of the following movements is NOT related to growth?

Ans
- ✓ A. The movement of the sensitive plant in response to touch
- ✗ B. Growth of shoot towards light
- ✗ C. Movement of pollen tube towards ovule
- ✗ D. Growth of root towards earth

Section : **Logical Reasoning General Intelligence**

Q.1 In a certain code language, 'PEON' is coded as '1495' and 'CONE' is coded as '9564'. What is the code for 'C' in the given code language?

Ans
- ✓ A. 6
- ✗ B. 4
- ✗ C. 9
- ✗ D. 5

Q.2 Each vowel in the word PICTURE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the left?

Ans
✗ A. V
✓ B. B
✗ C. S
✗ D. F

Q.3 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. Father's mother
✗ B. Father's sister
✓ C. Mother's sister
✗ D. Mother's mother

Q.4 What will come in place of the question mark (?) in the following equation if '+' and '–' are interchanged and '×' and '÷' are interchanged?

14 ÷ 5 + 72 × 18 – 8 = ?

Ans
✓ A. 74
✗ B. 68
✗ C. 62
✗ D. 64

Q.5 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).

Statement:
Some houses are villas.
Some villas are flats.

Conclusion:
I: Some houses are flats.
II: No houses are flats.

Ans
✗ A. Both conclusions (I) and (II) follow.
✗ B. Only conclusion (II) follows.
✓ C. Neither conclusion (I) nor (II) follows.
✗ D. Only conclusion (I) follows.

Q.6 In a certain code language, 'GOAT' is coded as '1!9&' and 'ALOT' is coded as '&91#'. What is the code for 'L' in the given code language?

Ans
✗ A. 9
✗ B. &
✓ C. #
✗ D. 1

Q.7 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
- ✗ A. BI – ZG
- ✗ B. LS – JQ
- ✓ C. MS – KE
- ✗ D. DK – BI

Q.8 Which of the following letter number clusters will replace the question mark (?) in the given series to make it logically complete?
BQ 91, XS 77, TU 63, PW 49, ?

Ans
- ✗ A. JX 30
- ✗ B. NZ 38
- ✗ C. MZ 31
- ✓ D. LY 35

Q.9 David starts from Point A and drives 8 km towards the East. He then takes a right turn, drives 5 km, turns right and drives 10 km. He then takes a right turn and drives 13 km. He takes a final right 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 degrees turns only unless specified)

Ans
- ✗ A. 8 km to the North
- ✗ B. 7 km to the North
- ✗ C. 7 km to the South
- ✓ D. 8 km to the South

Q.10 The position(s) of how many letters will remain unchanged if each letter in the word REACTION is arranged in English alphabetical order?

Ans
- ✗ A. One
- ✓ B. None
- ✗ C. Three
- ✗ D. Two

Q.11 If each even digit is multiplied by 2 in the number 2719453 and the resulting new number is rearranged in descending order, which of the following digits is second from the right of the number thus formed?

Ans
- ✓ A. 3
- ✗ B. 9
- ✗ C. 8
- ✗ D. 5

Q.12 Each letter in the word PRECAUTION is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

Ans
- ✗ A. Z
- ✗ B. S
- ✗ C. H
- ✓ D. Q

Q.13 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 cats are dogs.
All cats are rats.

Conclusions:
(I) Some dogs are rats.
(II) All rats are cats.

Ans
- ✗ A. Only conclusion (II) follows.
- ✓ B. Only conclusion (I) follows.
- ✗ C. Neither conclusion (I) nor (II) follows.
- ✗ D. Both conclusions (I) and (II) follow.

Q.14 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
- ✓ A. MQ - PT
- ✗ B. CP - AQ
- ✗ C. WK - UL
- ✗ D. DP - BQ

Q.15 The position(s) of how many letters will remain unchanged if each letter in the word ATMOSPHERIC is arranged in alphabetical order?

Ans
- ✗ A. Three
- ✓ B. Two
- ✗ C. More than three
- ✗ D. One

Q.16 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 ::?

: SOO :: RGK : %

Ans
- ✗ A. # = UMQ, % = PHI
- ✗ B. # = TMP, % = QHI
- ✓ C. # = TNP, % = QHJ
- ✗ D. # = UMN, % = PIM

Q.17 Seven people, B, D, I, K, M, O and R, are sitting in a row facing north. No one sits to the left of D. Only four people sit between D and M. Only three people sit to the right of K. I sits to the immediate left of B. O is not an immediate neighbour of K. How many people sit between O and K?

Ans
- ✗ A. Four
- ✓ B. Two
- ✗ C. Three
- ✗ D. One

Q.18 What should come in place of the question mark (?) in the given series?

314 315 317 320 324 ?

Ans
✗ A. 326
✓ B. 329
✗ C. 328
✗ D. 327

Q.19 Mr. Year starts from Point A and drives 28 km towards the north. He then takes a right turn, drives 13 km, turns right and drives 14 km. He then takes a left turn, drives 7 km, turns right and drives 18 km. He then takes a right turn and drives 25 km. He takes a final right turn, drives 4 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-degree turns only unless specified.)

Ans
✗ A. 6 km to the south
✓ B. 5 km to the east
✗ C. 6 km to the north
✗ D. 5 km to the west

Q.20 Seven boxes A, B, C, D, F, G and I are kept one over the other but not necessarily in the same order. Only B is kept above F. Only C is kept between F and D. Only I is kept below A.
How many boxes are kept between G and I?

Ans
✓ A. One
✗ B. Three
✗ C. Four
✗ D. Two

Q.21 In a certain code language,

'A / B' means 'A is the brother of B',
'A - B' means 'A is the mother of B',
'A ! B' means 'A is the father of B' and
'A ? B' means 'A is the wife of B'.

How is A related to Q if 'A - F / I ? O ! Q'?

Ans
✓ A. Mother's mother
✗ B. Mother's daughter
✗ C. Mother's father
✗ D. Mother's son

Q.22 The position(s) of how many letters will remain unchanged if each of the letters in the word JAVELIN is arranged in the English alphabetical order?

Ans
✓ A. One
✗ B. Three
✗ C. Two
✗ D. None

Q.23 Seven people A, B, D, J, L, P and V are sitting in a row facing south. L sits second to the right of P, who is third to the right of V. Only two people sit between B and L. D sits to the immediate right of V. J sits second to the right of A. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does NOT belong to that group?

Ans
✗ A. DV
✓ B. LJ
✗ C. BD
✗ D. AP

Q.24 Refer to the following letter and symbol series and answer the question that follows. Counting to be done from left to right only.

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

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

Ans
- ✗ A. Two
- ✓ B. One
- ✗ C. Three
- ✗ D. Four

Q.25 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. B is kept fourth from the top. Only D is kept between F and G. B is kept immediately above F. Only C is kept between A and E. E is not kept at the topmost position. Which box is second from the top?

Ans
- ✓ A. C
- ✗ B. E
- ✗ C. G
- ✗ D. D

Q.26 MW 22 is related to OR 6 in a certain way. In the same way, JR 9 is related to LM -7. To which of the following is UW 4 related, following the same logic?

Ans
- ✗ A. RV -9
- ✗ B. PR -10
- ✓ C. WR -12
- ✗ D. PV -8

Q.27 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 is the letter-cluster that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

Ans
- ✓ A. YNM
- ✗ B. NQN
- ✗ C. TWT
- ✗ D. KNK

Q.28 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. 1
- ✗ B. 9
- ✗ C. 0
- ✓ D. 5

Q.29 What should come in place of the question mark (?) in the given series?

238 217 196 ? 154 133 112

Ans
- ✗ A. 163
- ✗ B. 186
- ✗ C. 167
- ✓ D. 175

Q.30 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

HCW : FGT
PHX : NLU

Ans
- ✔ A. WCJ : UGG
- ✘ B. ZHR : XLP
- ✘ C. JBI : HFG
- ✘ D. QDN : OIK

Section : **Knowledge about Railways DFCCIL**

Q.1 How much budget has been allocated for further electrification projects of Indian Railways in the interim budget of 2024?

Ans
- ✔ A. ₹6,500 crore
- ✘ B. ₹5,500 crore
- ✘ C. ₹3,500 crore
- ✘ D. ₹4,500 crore

Q.2 According to the government report, how many locomotives were equipped with Kavach safety technology as part of railway safety measures until December 2024?

Ans
- ✘ A. 30,000 Locos
- ✔ B. 10,000 Locos
- ✘ C. 20,000 Locos
- ✘ D. 40,000 Locos

Q.3 During which year's Indian Railway Budget was the creation of Dedicated Freight Corridors announced?

Ans
- ✘ A. 2006-07
- ✘ B. 2007-08
- ✔ C. 2005-06
- ✘ D. 2004-05

Q.4 Which of the following is NOT a function of DFCCIL?

Ans
- ✘ A. Mobilisation of financial resources
- ✘ B. Operation and maintenance of freight corridors
- ✘ C. Construction of freight corridors
- ✔ D. Passenger railway management

Q.5 Indian Railways adopted the 25 kV 50 Hz AC traction system based on the technology of which country's railway system?

Ans
- ✘ A. United Kingdom
- ✘ B. Japan
- ✘ C. Germany
- ✔ D. France

Q.6 As of January 2025, what is the total length of the Makarpura-Sachin section of the Western Dedicated Freight Corridor (DFC)?

Ans
- ✘ A. 141 km
- ✘ B. 139 km
- ✔ C. 135 km
- ✘ D. 151 km

Q.7 Over how many kilometres did the Indian Railways upgrade the track to support train speed upto 130 km/hr in 2024?

Ans
- ✗ A. Over 5,000 km
- ✗ B. Over 4,000 km
- ✓ C. Over 2,000 km
- ✗ D. Over 3,000 km

Q.8 Eastern India's first passenger train service ran on 15 August 1854 between which two stations?

Ans
- ✗ A. Howrah and Asansol
- ✓ B. Howrah and Hooghly
- ✗ C. Howrah and Kolkata
- ✗ D. Kolkata and Durgapur

Q.9 As of January 2024, what is the projected length of the East Coast Corridor, which traverses through three states of India?

Ans
- ✗ A. 1001 km
- ✗ B. 1090 km
- ✓ C. 1080 km
- ✗ D. 1070 km

Q.10 While establishment, Dedicated Freight Corridor Corporation of Indian Limited (DFCCIL), which was to offer significant reduction of Green House Gas (GHG) emissions in the transport sector in India, was expected to save more than 450 million tons of CO_2 in the first _____ years of operation.

Ans
- ✗ A. 10
- ✗ B. 15
- ✗ C. 25
- ✓ D. 30