



Test Date	11/07/2025
Test Time	4:00 PM - 5:30 PM
Subject	Executive Electrical

Section : Mathematics Numerical Ability

Q.1 The average of 6.5, 10.7, 20 and a is 18. The value of a is:

- Ans
- ☒ A. 34.8
 - ☐ B. 35.8
 - ☐ C. 33.8
 - ☐ D. 36.8

Q.2 The sides of a triangle are 90 cm, 72 cm, and 54 cm. What is its area? (in cm²)

- Ans
- ☒ A. 1944
 - ☐ B. 1988
 - ☐ C. 1972
 - ☐ D. 1951

Q.3 Which positive number should replace both the question marks in the following equation?

- $\frac{?}{16} = \frac{144}{?}$
- Ans
- ☐ A. 62
 - ☐ B. 53
 - ☐ C. 40
 - ☒ D. 48

Q.4 The value of $\frac{1 + 2\sin(90^\circ - \theta)\sec\theta}{\sin90^\circ + \cos0^\circ} + \frac{1 + 3\tan42^\circ\tan48^\circ}{\operatorname{cosec}30^\circ\sec60^\circ}$ is:

- Ans
- ☒ A. 2.5
 - ☐ B. 2
 - ☐ C. 0.4
 - ☐ D. 1

Q.5 What is the minimum value that must be assigned to A so that the 8-digit number 608A5693 is divisible by 3?

- Ans
- ☐ A. 1
 - ☒ B. 2
 - ☐ C. 7
 - ☐ D. 4

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Q.6 A boat travels 50 km downstream in 2 hours and 50 km upstream in 5 hours. What is the speed of the boat in still water?

- Ans**
- ✓ A. 17.5 km/hr
 - ✗ B. 20 km/hr
 - ✗ C. 16 km/hr
 - ✗ D. 18.5 km/hr

Q.7 12 bags and 13 pens together cost ₹1,525, whereas 17 bags and 9 pens together cost ₹1,812. The cost of 12 bags exceeds the cost of 8 pens by:

- Ans**
- ✓ A. ₹748
 - ✗ B. ₹753
 - ✗ C. ₹751
 - ✗ D. ₹745

Q.8 The average price of three items of furniture is ₹17,250. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

- Ans**
- ✗ A. 8,050
 - ✗ B. 3,450
 - ✗ C. 5,750
 - ✓ D. 10,350

Q.9 The profit made on a product is 78%. What is the loss percentage (correct to two decimal places) incurred on the sale if the cost price and selling price are interchanged?

- Ans**
- ✓ A. 43.82%
 - ✗ B. 46.73%
 - ✗ C. 42.45%
 - ✗ D. 46.69%

Q.10 The cost price of an article is ₹240, and its marked price is ₹480. If the seller offers a 25% discount on the marked price, what is his profit percentage?

- Ans**
- ✗ A. 48%
 - ✗ B. 49%
 - ✗ C. 47%
 - ✓ D. 50%

Q.11 A can do a certain piece of work in 9 days, B can do the same work in 6 days and C can do the same work in 23 days. Find the number of days it will take to complete the same work, if they all work together.

- Ans**
- ✗ A. $\frac{414}{66}$
 - ✗ B. $\frac{414}{123}$
 - ✗ C. $\frac{133}{414}$
 - ✓ D. $\frac{414}{133}$

Q.12 2 men or 8 women can do a job in 9 days. 2 men work for 4 days and leave. The number of women required to complete the remaining work in 8 days is:

- Ans**
- ☐ A. 7
 - ☐ B. 8
 - ☐ C. 6
 - ☒ D. 5

Q.13 The simple interest per annum on a sum of money is four times the principal. Find the rate of interest per annum, if the time period is one-fourth of the rate.

- Ans**
- ☐ A. 32%
 - ☐ B. 30%
 - ☐ C. 22%
 - ☒ D. 40%

Q.14 If the volume of a cube is 68921 m^3 , then find the total surface area of the cube in m^2 .

- Ans**
- ☐ A. 10129
 - ☒ B. 10086
 - ☐ C. 10134
 - ☐ D. 10065

Q.15 The LCM of the numbers 10.8 and 0.012 is:

- Ans**
- ☐ A. 1.08
 - ☐ B. 0.108
 - ☐ C. 108
 - ☒ D. 10.8

Q.16 Let x be the greatest number which, when divides 5849, 6605 and 8705, the remainders are 81, 13 and 53, respectively. What is the sum of the digits of x?

- Ans**
- ☒ A. 7
 - ☐ B. 25
 - ☐ C. 1
 - ☐ D. 3

Q.17 A man sold an article for ₹700 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 ₹5,000, then what is the value of d?

- Ans**
- ☐ A. 44
 - ☒ B. 43
 - ☐ C. 47
 - ☐ D. 38

Q.18 The surface area of two spheres A and B are in the ratio 5 : 6, respectively. If the surface area of sphere A is 1280 cm^2 , then find the surface area (in cm^2) of sphere B.

- Ans**
- ☐ A. 1636
 - ☐ B. 1656
 - ☒ C. 1536
 - ☐ D. 1586

Q.19 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 30%, and the retailer sells it to a customer at a profit of 28%. If the customer pays ₹208, find the cost price (in ₹) for the manufacturer.

- Ans
- ☐ A. ₹98
 - ☐ B. ₹101
 - ☐ C. ₹97
 - ☒ D. ₹100

Q.20 Find the compound interest on ₹25,000 in two years at the rate of 4% per annum, the interest being compounded half-yearly (up to two decimal places).

- Ans
- ☐ A. ₹2,080.60
 - ☒ B. ₹2,060.80
 - ☐ C. ₹2,250.80
 - ☐ D. ₹2,160.60

Q.21 The price of fuel decreases by 30%, 40% and 30% in three successive months, but increases by 50% in the fourth month. What is the percentage increase/decrease in the price of fuel in the fourth month as compared to its original price?

- Ans
- ☐ A. Increases by 53.56%
 - ☐ B. Increases by 51.36%
 - ☒ C. Decreases by 55.9%
 - ☐ D. Decreases by 58.13%

Q.22 Evaluate: $821^2 - 179^2$

- Ans
- ☐ A. 643000
 - ☒ B. 642000
 - ☐ C. 641000
 - ☐ D. 640000

Q.23 How many kilograms of rice costing ₹80 per kg must be mixed with 56 kg of rice costing ₹90 per kg, so that there may be a profit of 12% by selling the mixture at ₹95.20 per kg?

- Ans
- ☐ A. 60
 - ☐ B. 50
 - ☐ C. 48
 - ☒ D. 56

Q.24 What is the mode of the following data?

78, 60, 72, 87, 61, 79, 61, 82, 75, 77, 78, 67, 83, 82, 72, 64, 62, 83, 77, 62, 68, 74, 82, 88, 68

- Ans
- ☒ A. 82
 - ☐ B. 78
 - ☐ C. 60
 - ☐ D. 72

Q.25 A survey was conducted asking people how many hours they exercise per week. The responses from a group of 46 individuals are as follows:

Exercise hours	Frequency
0	4
1	7
2	13
3	11
4	6
5	3
6	2

Find the median exercise hours.

- Ans

☐ A. 3.5 hours

☐ B. 3 hours

☐ C. 2.5 hours

☒ D. 2 hours

Q.26 ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 91^\circ$ and $\angle BAC = 46^\circ$, then what is the measure of $\angle ACD$ (in degree)?

- Ans

☐ A. 106

☐ B. 100

☐ C. 98

☒ D. 94

Q.27 Kavita, Rakesh, and Shalini invest ₹1,210, ₹1,850, and ₹1,440, respectively to start a business. If the profit at the end of the year is ₹1,250, then what is the share of Shalini in the profit?

- Ans

☒ A. ₹400

☐ B. ₹401

☐ C. ₹397

☐ D. ₹398

Q.28 The sum of the present ages of A, B and C is 207 years. 18 years ago from now, the ratio of their ages was 2 : 9 : 6. What is the present age of C (in years)?

- Ans

☒ A. 72

☐ B. 71

☐ C. 74

☐ D. 75

Q.29 Two trains are moving in opposite directions at speeds of 110 km/hr and 50 km/hr. The length of one train is 250 m. The time taken by them to cross each other is 12 seconds. The length (in m) of the other train, correct to 2 decimal places, is:

- Ans

☐ A. 286.67

☒ B. 283.33

☐ C. 281.63

☐ D. 285.92

Q.30 The present cost of a house is ₹1,50,553. After a year, its cost increases to ₹1,99,793. The percentage increase (rounded off to the nearest integer) in the cost of the house is:

- Ans

☐ A. 39%

☐ B. 31%

☒ C. 33%

☐ D. 37%

Section : General Awareness

Q.1 In the Kesavananda Bharati case, what did the Supreme Court rule about Constitutional amendments?

- Ans
- ☒

 A. Certain basic features of the Constitution cannot be altered by the Parliament.
- ☐

 B. The President has the final authority to approve any amendment.
- ☐

 C. The Parliament can amend any part of the Constitution, including the Fundamental Rights.
- ☐

 D. The Parliament cannot amend the Constitution under any circumstances.

Q.2 Which of the following authorities regulate(s) cooperative societies in India?

- Ans
- ☐

 A. Securities and Exchange Board of India (SEBI)
- ☒

 B. State Cooperative Departments
- ☐

 C. Ministry of Rural Development
- ☐

 D. Reserve Bank of India

Q.3 Which neighbouring country of India is separated by the Radcliffe Line?

- Ans
- ☐

 A. Bangladesh
- ☒

 B. Pakistan
- ☐

 C. Myanmar
- ☐

 D. Nepal

Q.4 Who among the following was elected as the speaker of the Maharashtra Legislative Assembly in December 2024?

- Ans
- ☒

 A. Rahul Narwekar
- ☐

 B. Ajit Wadekar
- ☐

 C. Anand Dighe
- ☐

 D. Shmbhaji Shinde

Q.5 What marked the beginning of the Gupta Era?

- Ans
- ☐

 A. The conquest of Magadha by the Guptas
- ☐

 B. The accession of Shrigupta
- ☒

 C. The accession of Chandragupta I in AD 319
- ☐

 D. The marriage of Chandragupta I to Kumaradevi

Q.6 Which type of farming is primarily practiced to meet the needs of a farmer's family, often involving low levels of technology and small landholdings?

- Ans
- ☐

 A. Mixed farming
- ☐

 B. Commercial farming
- ☐

 C. Plantation agriculture
- ☒

 D. Subsistence farming

Q.7 When is the International Day of Clean Air for Blue Skies celebrated?

- Ans
- ☒

 A. 7 September
- ☐

 B. 7 October
- ☐

 C. 24 August
- ☐

 D. 24 September

Q.8 According to the January 2025 edition of the World Bank's Global Economic Prospects report, what is the projected annual growth rate for India's economy in FY26 and FY27?

- Ans
- ☐

 A. 6.0%
- ☐

 B. 0.072%
- ☐

 C. 5.5%
- ☒

 D. 6.7%

Q.9 According to the World Bank, what was India's projected GDP growth rate for FY 2024-25?

- Ans
- ☐ A. 0.078%
 - ☒ B. 6.5%
 - ☐ C. 8.2%
 - ☐ D. 7.0%

Q.10 On what is the PM-Wani initiative primarily focussed?

- Ans
- ☐ A. Increasing the number of telecom operators
 - ☒ B. Expanding Wi-Fi hotspot access across India
 - ☐ C. Reducing mobile phone prices
 - ☐ D. Developing new telecom technologies

Q.11 What was the reason behind Mangal Pandey's attack on his officers in Barrackpore?

- Ans
- ☒ A. He was opposed to the new cartridges being greased with animal fat.
 - ☐ B. He was angry with his colleagues.
 - ☐ C. He was unhappy with his posting.
 - ☐ D. He was dissatisfied with his salary.

Q.12 Which sector did the ambitious Bharatmala Pariyojana notably enhance through its stellar performance?

- Ans
- ☒ A. Road infrastructure
 - ☐ B. Railway networks
 - ☐ C. Urban housing
 - ☐ D. Digital connectivity

Q.13 Which of the following is NOT a type of cooperative society?

- Ans
- ☒ A. Military Cooperative
 - ☐ B. Housing Cooperative
 - ☐ C. Agricultural Cooperative
 - ☐ D. Industrial Cooperative

Q.14 How did Raja Rammohan Roy approach his campaign against Sati?

- Ans
- ☐ A. By relying exclusively on British support
 - ☒ B. By combining Hindu scriptures with rational and humanitarian arguments
 - ☐ C. By citing only Western philosophical texts
 - ☐ D. By appealing solely to Hindu scriptures

Q.15 Which Indian painting style is known for its gold leaf embellishments and depiction of Hindu gods, originating in Tamil Nadu?

- Ans
- ☐ A. Gond Painting
 - ☐ B. Madhubani Painting
 - ☐ C. Kalamkari
 - ☒ D. Tanjore Painting

Q.1	In the decomposition of lead nitrate ($\text{Pb}(\text{NO}_3)_2$), which of the following pairs of gases is released?
Ans	<div> <div></div> <div>A. Carbon dioxide and oxygen</div> </div> <div> <div></div> <div>B. Nitrogen monoxide and carbon dioxide</div> </div> <div> <div></div> <div>C. Oxygen and nitrogen dioxide</div> </div> <div> <div></div> <div>D. Sulphur dioxide and oxygen</div> </div>
Q.2	When a metal carbonate reacts with an acid what are the products formed?
Ans	<div> <div></div> <div>A. Salt and carbon dioxide</div> </div> <div> <div></div> <div>B. Salt, hydrogen gas and oxygen</div> </div> <div> <div></div> <div>C. Salt, water and carbon dioxide</div> </div> <div> <div></div> <div>D. Salt, hydrogen gas and carbon dioxide</div> </div>
Q.3	The heart in amphibians is _____-chambered.
Ans	<div> <div></div> <div>A. four</div> </div> <div> <div></div> <div>B. three</div> </div> <div> <div></div> <div>C. incompletely four</div> </div> <div> <div></div> <div>D. two</div> </div>
Q.4	Ozone, which forms the protective layer around the surface of the earth, is made up of _____ atom(s) of oxygen.
Ans	<div> <div></div> <div>A. one</div> </div> <div> <div></div> <div>B. three</div> </div> <div> <div></div> <div>C. two</div> </div> <div> <div></div> <div>D. four</div> </div>
Q.5	Pressure is defined as:
Ans	<div> <div></div> <div>A. Thrust + Area</div> </div> <div> <div></div> <div>B. Area/Thrust</div> </div> <div> <div></div> <div>C. Thrust \times Area</div> </div> <div> <div></div> <div>D. Thrust/Area</div> </div>
Q.6	The egg is carried from the ovary to the womb through the _____.
Ans	<div> <div></div> <div>A. cervix</div> </div> <div> <div></div> <div>B. fallopian tube</div> </div> <div> <div></div> <div>C. vas deferens</div> </div> <div> <div></div> <div>D. vagina</div> </div>
Q.7	Read the given statements carefully and select the correct option. Statement-I: The clusters of molecules in which the hydrophobic tails are in the interior of the cluster and the ionic ends are on the surface of the cluster are called micelles. Statement-II: The micelles stay in solution as a colloid and will not come together to precipitate because of ion-ion repulsion.
Ans	<div> <div></div> <div>A. Both Statement-I and statement-II are true.</div> </div> <div> <div></div> <div>B. Statement-I is false but statement-II is true.</div> </div> <div> <div></div> <div>C. Both Statement-I and statement-II are false.</div> </div> <div> <div></div> <div>D. Statement-I is true but statement-II is false.</div> </div>

Q.8 The site of ATP synthesis in the cell is the _____.

- Ans

☒

A. mitochondria
- ☐

B. Golgi complex
- ☐

C. lysosomes
- ☐

D. endoplasmic reticulum

Q.9 In which of the following cases is work being done?

- Ans

☐

A. No force is acting on a massive object.
- ☐

B. A massive object is moving with uniform speed.
- ☐

C. A force is applied on a massive object, and the object does not move.
- ☒

D. A force is applied on a massive object, and the object is displaced.

Q.10 The concept of using natural resources carefully, keeping in mind the needs of the future generations, is termed as:

- Ans

☒

A. sustainable development
- ☐

B. social development
- ☐

C. suitable development
- ☐

D. progressive development

Q.11 The relation between the frequency (ν) and time period (T) is given by:

- Ans

☒

A. $\nu = 1/T$
- ☐

B. $\nu = 2\ T$
- ☐

C. $\nu = 2/T$
- ☐

D. $\nu = T$

Q.12 Which of the following compounds is a base?

- Ans

☒

A. $\text{Mg}(\text{OH})_2$
- ☐

B. H_2CO_3
- ☐

C. CH_3COOH
- ☐

D. HF

Q.13 Why is the ceiling of a concert hall curved?

- Ans

☒

A. To ensure that sound reaches every corner of the hall
- ☐

B. To make the sound loud enough
- ☐

C. To prevent sound from escaping the hall
- ☐

D. To increase the speed of sound

Q.14 A negative sign in the value of the magnification indicates that the image is _____.

- Ans

☒

A. real
- ☐

B. diminished in intensity
- ☐

C. enhanced in intensity
- ☐

D. virtual

Q.15 When 50 g of silver nitrate solution is mixed with 30 g of sodium chloride solution, a white precipitate of silver chloride forms along with sodium nitrate in the solution. What will the total mass of the products be?

- Ans

☒

A. 80 g
- ☐

B. 30 g
- ☐

C. Cannot be determined
- ☐

D. 50 g

Section : Logical Reasoning General Intelligence

Q.1 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. JHK
 - ☐ B. QPK
 - ☐ C. VUP
 - ☐ D. MLG

Q.2 Mr. Faith starts from Point A and drives 16 km towards the south. He then takes a right turn, drives 11 km, turns right and drives 22 km. He then takes a right turn and drives 29 km. He takes a final right turn, drives 6 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. 16 km to the south
 - ☐ B. 17 km to the north
 - ☒ C. 18 km to the west
 - ☐ D. 15 km to the east

Q.3 Seven people, A, B, G, H, O, P and S, are sitting in a straight row facing north. No one sits to the right of O. Only three people sit between B and O. Only one person sits between O and S. A sits to the immediate left of G. H is not an immediate neighbour of O. How many people sit to the left of P?

- Ans
- ☒ A. Five
 - ☐ B. Two
 - ☐ C. Four
 - ☐ D. One

Q.4 Seven boxes A, B, C, D, F, G and I are kept one over the other but not necessarily in the same order. Only two boxes are kept between I and C. Only G is kept above F. No box is kept below C.D is kept at some place below A but at some place above B. Which box is kept third above B?

- Ans
- ☒ A. A
 - ☐ B. F
 - ☐ C. I
 - ☐ D. D

Q.5 If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 5387651, what will be the sum of the digits that are third from the left and second from the right in the new number thus formed?

- Ans
- ☐ A. 22
 - ☐ B. 16
 - ☐ C. 20
 - ☒ D. 14

Q.6 In a certain code language, 'ROPE' is coded as '3758' and 'DROP' is coded as '5867'. What is the code for 'D' in the given code language?

- Ans
- ☐ A. 5
 - ☒ B. 6
 - ☐ C. 7
 - ☐ D. 8

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

450 455 465 480 500 ?

- Ans
- ☒ A. 520
 - ☒ B. 515
 - ☒ C. 525
 - ☒ D. 530

Q.8 Refer to the following letter and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) T © E A % D £ Q J & P V M @ B * # L U K \$ N (Right)

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

- Ans
- ☒ A. B
 - ☒ B. M
 - ☒ C. L
 - ☒ D. Q

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

(Left) 3 \$ # © % € @ 3 £ 6 * £ & @ 9 9 2 2 @ 2 6 @ (Right)

How many such numbers are there that are immediately preceded by a symbol and also immediately followed by a symbol?

- Ans
- ☒ A. 2
 - ☒ B. 4
 - ☒ C. 1
 - ☒ D. 3

Q.10 Seven people A, B, L, S, T, Y and Z are sitting in a row facing south. S sits third to the right of L, who is fourth to the left of A. A sits to the immediate left of Y who sits on one of the ends. There are two people between Z and B. B does not sit with T. 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. LB
 - ☒ B. YS
 - ☒ C. AZ
 - ☒ D. ST

Q.11 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

REZ, TIF, VML, ?, ZUX

- Ans
- ☒ A. XQP
 - ☒ B. XQR
 - ☒ C. XPO
 - ☒ D. XON

Q.12 William starts from Point A and drives 13 km towards East. He then takes a left turn, drives 5 km, turns left and drives 15 km. He then takes a left turn and drives 12 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 degree turns only unless specified.)

- Ans ☒ A. 7 km to the North
- ☐ B. 7 km to the South
- ☐ C. 6 km to the South
- ☐ D. 6 km to the North

Q.13 Refer to the following number 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) 3 4 6 5 8 6 5 3 5 7 5 1 8 7 6 9 7 6 6 4 5 1 4 8 9 8 0 2 7 2 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- Ans ☐ A. Zero
- ☒ B. Three
- ☐ C. One
- ☐ D. Two

Q.14 If 'A' stands for '+', 'B' stands for '−', 'C' stands for '×', and 'D' stands for '÷', what will come in place of the question mark (?) in the following equation?

60 D 12 B 7 A 6 C 3 = ?

- Ans ☒ A. 16
- ☐ B. 14
- ☐ C. 12
- ☐ D. 18

Q.15 Each vowel in the word BLANKET is changed to the second letter immediately following it in the English alphabetical order and each consonant remains same. Which of the following letters will be third from the left?

- Ans ☐ A. L
- ☐ B. K
- ☒ C. C
- ☐ D. N

Q.16 In a certain code language,

‘A ? B’ means ‘A is the wife of B’,
‘A / B’ means ‘A is the brother of B’,
‘A – B’ means ‘A is the mother of B’ and
‘A ! B’ means ‘A is the father of B’.

How is B related to U if 'B – C / E ! F ? U'?

- Ans ☐ A. Wife's father's wife
- ☒ B. Wife's father's mother
- ☐ C. Wife's father's son
- ☐ D. Wife's father's father

Q.17 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 shirts are trousers.
All trousers are jeans.

Conclusions:

(I) Some jeans are trousers.
(II) All shirts are jeans.

- 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.18 Seven Boxes P, Q, R, S, T, U and V are kept one over the other but not necessarily in the same order. V is kept third from the bottom. Exactly two boxes are kept between V and P. Only one box is kept between T and U. Exactly two boxes are kept between S and R. Q is kept immediately above R. Exactly two boxes are kept between Q and U. Which box is third from the top?

- Ans**
- ☒ A. U
 - ☒ B. S
 - ☒ C. P
 - ☒ D. T

Q.19 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. ZYU
 - ☒ B. PNS
 - ☒ C. VUQ
 - ☒ D. NMI

Q.20 QP 7 is related to SL -2 in a certain way. In the same way, KH 3 is related to MD -6. To which of the given options is IL 4 related, following the same logic?

- Ans**
- ☒ A. KH -5
 - ☒ B. HJ -4
 - ☒ C. IJ -5
 - ☒ D. LH -4

Q.21 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. DH-AE
 - ☒ B. IM-FJ
 - ☒ C. VZ-SW
 - ☒ D. YC-WS

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

147 171 199 231 267 307 ?

- Ans
- ☐ A. 339
 - ☒ B. 351
 - ☐ C. 327
 - ☐ D. 360

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

74 D 35 C 11 B 36 A 9 = ?

- Ans
- ☐ A. 84
 - ☒ B. 83
 - ☐ C. 82
 - ☐ D. 81

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

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

How many letters are there in the English alphabetical series between the letter which is fifth from the right end and fifth from the left end of the series?

- Ans
- ☐ A. 6
 - ☐ B. 4
 - ☐ C. 5
 - ☒ D. 8

Q.25 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 chairs are seats.
All seats are windows.

Conclusions:

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

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

Q.26 C is the husband of D. E and F are sons of C. G is the son of E. G is the brother of H. I is the mother of H. How is I related to C?

- Ans
- ☐ A. Daughter
 - ☐ B. Wife
 - ☐ C. Sister
 - ☒ D. Son's wife

Q.27 GSBK is related to COXG in a certain way based on the English alphabetical order. In the same way, YKTC is related to UGPY. To which of the following is QCLU related, following the same logic?

- Ans
- ☐ A. OZFP
 - ☐ B. RXGS
 - ☐ C. NYGR
 - ☒ D. MYHQ

Q.28 Refer to the number and symbol series given below and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 7 1 \$ 4 3 2 ^ 8 9 % 7 # 9 \$ 2 4 6 ^ 9 3 7 1 2 \$ 4 3 2 1 3 2 (Right)

Which of the following is eighth to the right of the fourteenth term from the right end in the series?

- Ans
- ☐ A. ^
 - ☐ B. 3
 - ☐ C. \$
 - ☒ D. 4

Q.29 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 :: ?
: FOB :: RQV : %

- Ans
- ☐ A. # = ARY , % = IYR
 - ☐ B. # = IQR , % = OPU
 - ☒ C. # = IQC , % = OOU
 - ☐ D. # = IQU , % = OOR

Q.30 In a certain code language, 'POTE' is coded as '21*9' and 'TAPE' is coded as '1*62'. What is the code for 'A' in the given code language?

- Ans
- ☐ A. *
 - ☐ B. 2
 - ☒ C. 6
 - ☐ D. 1

Section : Knowledge about Railways DFCCIL

Q.1 In which year was the Dedicated Freight Corridor Corporation of India Limited (DFCCIL) established?

- Ans
- ☒ A. 2006
 - ☐ B. 2007
 - ☐ C. 2008
 - ☐ D. 2005

Q.2 How many Route kilometres (Rkm) did the Indian Railways electrify in 2024?

- Ans
- ☐ A. 3,670 Rkm
 - ☒ B. 3,210 Rkm
 - ☐ C. 2,470 Rkm
 - ☐ D. 4,010 Rkm

Q.3 The machine vision based inspection of rolling stock in DFCCIL is done using technology developed in collaboration with ____.

- Ans
- ☐ A. IIT Roorkee

☐ B. IIT Bombay

☒ C. IISc Bengaluru

☐ D. IIT Delhi

Q.4 When was DFCCIL incorporated as a Schedule A company?

- Ans
- ☒ A. 30 October 2006

☐ B. 15 August 2005

☐ C. 5 June 2004

☐ D. 1 January 2007

Q.5 On which date did the first passenger train in India run between Bombay’s Bori Bunder and Thane?

- Ans
- ☐ A. 24 February 1873

☐ B. 1 July 1856

☐ C. 15 August 1854

☒ D. 16 April 1853

Q.6 As of January 2025, what is the additional charge levied by the Dedicated Freight Corridor Corporation of India Limited (DFCCIL) as administrative/overhead charges on the land leased under the DFCCIL Land Licensing Policy?

- Ans
- ☐ A. 2% per annum

☒ B. 1% per annum

☐ C. 3% per annum

☐ D. 0.5% per annum

Q.7 Minister for Railways made the announcement of creation of Dedicated Freight Corridors (DFCs) on floor of the House in the Parliament while presenting the Railway Budget of which year?

- Ans
- ☐ A. 2004-05

☒ B. 2005-06

☐ C. 2003-04

☐ D. 2002-03

Q.8 Danapur, Dhanbad, Mughalsarai, Samastipur, and Sonpur divisions come under which of the following zones of Indian Railways?

- Ans
- ☐ A. Eastern Railway

☐ B. North Eastern Railway

☒ C. East Central Railway

☐ D. South Eastern Railway

Q.9 According to Union Minister Ashwini Vaishnaw’s statement regarding the Budget 2025-26, how many Vande Bharat trains have been approved for manufacturing?

- Ans
- ☐ A. 250

☐ B. 150

☒ C. 200

☐ D. 100

Q.10 What is the full form of DFIS in the context of DFCCIL?

- Ans**
- ✓ A. Dedicated Freight Information System
 - ✗ B. Dedicated Freight Integration System
 - ✗ C. Dedicated Freight Innovation System
 - ✗ D. Dedicated Freight Intelligence System

