

Week2_OLT6(Assessment)(LR)_CSE_Immersion_2025

Q1. A told to B, "Yesterday I met the only daughter of my grandmother." Whom did A meet?

- A) Cousin B) Mother C) Sister
 D) Nephew E) None of these

[Level-2; Accenture, Wipro, Infosys]

Answer: E)

Explanation: He met his aunt, i.e. his father's sister.

Q2. Which of the following means that M is grandmother of N, if "P \$ Q" means P is father of Q, "P * Q" means P is mother of Q, "P @ Q" means P is wife of Q?

- A) M * R \$ T @ N B) M * R @ T @ N C) M * T \$ N \$ R
 D) M * T \$ R @ N E) Both C and D

[Level-2; Accenture, Wipro, Infosys]

Answer: C)

Explanation: Check all options C) = M is mother of T, T father of N

Q3. Rohit walked 25 metres towards South. Then he turned to his left and walked 20 metres. He then turned to his left and walked 25 metres. He again turned to his right and walked 15 metres. At what distance is he from the starting point and in which direction?

- (a) 35 metres East (b) 35 metres North (c) 40 metres East (d) 60 metres East

[Level-1; Accenture, Wipro, Chetu]

Answer: A

Solution:

The movements of Rohit are as shown in figure. Rohit's distance from starting point

$A = AE = (AD + DE) = (BC + DE) = (20 + 15) \text{ m} = 35 \text{ m}$. Also, E is to the East of A.

Q4. One morning after sunrise, Reeta and Kavita were talking to each other face to face at Tilak Square. If Kavita's shadow was Exactly to the right to Reeta, which direction Kavita was facing

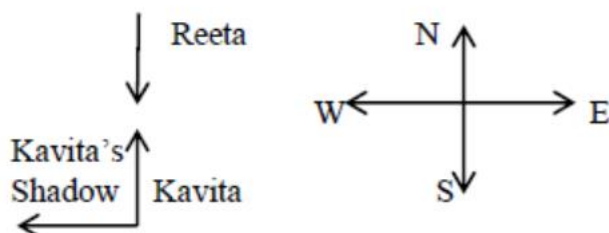
- (a) North (b) South (c) East (d) Data inadequate

[Level-1; Accenture, Wipro, Chetu]

Answer: A

Solution:

In morning, sun rise in the east so shadow of a object falls towards the west. Now, Kavita's shadow falls to the rights of Reeta. Hence, Reeta is facing South and Kavita is facing North.



Q5. In row of 35 people facing the North, R is 10th from the right end and there are 10 people between R and P. What is P's position from the left end of the row?

- A. 15th B. 13th C. 17th D. 19th E. None of these

[Level-2; Accenture, Wipro, infosys]

Answer: A

Solution:

R's position from the right end = 10th It is given that there are 10 people between R and P, therefore, P cannot be at right side of R, as there are only 9 people at the right side of R. So P will at the left side of R. Now, P's position from right end = R's position from the right end + 10 + 1 = 10 + 10 + 1 = 21st from the right end. Now, we can find P's position from the left end as: P's position from the left end = Total number of people – P's position from the right end – 1 = 35 – 21 – 1 = 15th Hence, the correct answer is option A.

Q6. A certain number of persons are sitting in a row such that Rajat is 11th from the right end of the row, and there 10 persons between Rajat and Manoj. Shobit is exactly between Manoj and Heera, who is 15th from the left end of the row. How many persons are there in the row?

- A. 35 B. 38 C. 42 D. 45 E. Can't be determined

[Level-2; Accenture, Wipro, infosys]

Answer: E

Solution:

We have, Rajat is 11th from the right end of the row, and there 10 persons between Rajat and Manoj. Shobit is exactly between Manoj and Heera, who is 15th from the left end of the row. After using the above information, we have, Order of persons in the row = (14 persons + Heera + x persons + Shobit + x persons + Manoj + 10 persons + Rajat + 10 persons) Here, we have no information about the total number of persons between Manoj and Heera. Hence, the correct answer is option E.

Q7. Direction: Study the following question carefully and choose the right answer.

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered – from 0 to 4 and that Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 01, 14, etc. and E can be represented by 55, 66 etc. Similarly, you have to identify the set for the word 'BEST'.

Matrix - I

	0	1	2	3	4
0	P	A	G	T	S
1	G	T	S	P	A
2	S	P	A	G	T
3	A	G	T	S	P
4	T	S	P	A	G

Matrix - II

	5	6	7	8	9
5	E	M	B	N	O
6	B	E	O	M	N
7	O	N	E	B	M
8	N	O	M	E	B
9	M	B	N	O	E

- A. 78, 99, 04, 10 B. 57, 75, 41, 03
 C. 96, 88, 12, 40 D. 89, 55, 31, 32

[Level-1; Accenture, Wipro, Infosys, Chetu]

Answer: C

Solution:

Matrix I						Matrix II					
	0	1	2	3	4		5	6	7	8	9
0							5				
1				S			6				
2							7				
3							8			E	
4	T						9	B			

Hence, the option C is correct.

Q8. Direction: Study the following question carefully and choose the right answer.

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered – form 0 to 4 and that Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 01, 14, etc. and E can be represented by 55, 66 etc. Similarly, you have to identify the set for the word 'POWER'.

Matrix - I						Matrix - II					
	0	1	2	3	4		5	6	7	8	9
0	P	A	G	R	Z	5	E	W	L	N	O
1	G	R	Z	P	A	6	L	E	O	W	N
2	Z	P	A	G	R	7	O	N	E	L	W
3	A	G	R	Z	P	8	N	O	W	E	L
4	R	Z	P	A	G	9	W	L	N	O	E

- A. 13, 67, 56, 99, 32 B. 42, 86, 76, 55, 40
 C. 21, 98, 87, 66, 10 D. 34, 75, 68, 75, 24

[Level-1; Accenture, Wipro, Infosys, Chetu]

Answer: A

Solution:

Matrix I					
	0	1	2	3	4
0					
1				P	
2					
3			R		
4					

Matrix II					
	5	6	7	8	9
5		W			
6			O		
7					
8					
9					E

Hence, the option A is correct.

Q9. When the time is 10:30, if the minute hand points towards south, the hour hand will point towards

(A) North-east (B) North-west (C) South-east (D) South-west (E) North

[Level-1; Topic-Clock; Accenture, Wipro, TCS]

Answer: B

Solution:

Direction Logic — Translate minute hand's direction to determine hour hand's position.

Q10. A clock strikes once at 1 O'clock, twice at 2 O'clock, three times at 3 O'clock and so on. If it takes 10 seconds to strike at 6 O'clock, find the time taken by it to strike at 12 O'clock.

(A) 18 seconds (B) 22 seconds (C) 24 seconds (D) 26 seconds (E) 30 seconds

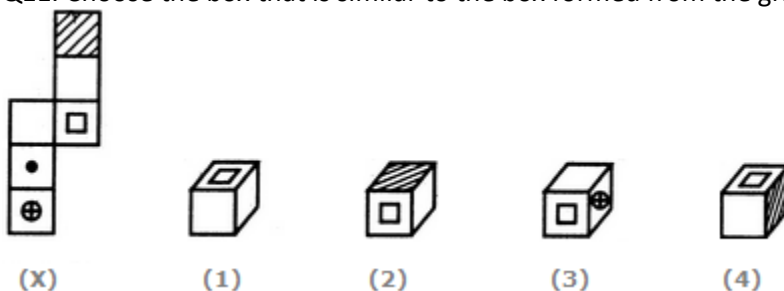
[Level-1; Topic-Clock; Accenture, Wipro, TCS]

Answer: B

Solution:

Clock Striking Time — Time taken to chime based on pattern and previous timings.

Q11. Choose the box that is similar to the box formed from the given sheet of paper (X).



- A. 1 only
 B. 2 and 3 only
 C. 1 and 3 only
 D. 1, 2 and 4 only

[Level-1; Topic-Dice; Wipro, Accenture, Capgemini]

Answer: C

Solutions:

The fig. (X) is similar to Form V. So, when the sheet shown in fig. (X) is folded to form a cube, then the face with shading lies opposite to the free bearing a square, the face bearing a dot lies opposite

to a blank face and the face bearing a circle (with a '+' sign inside it) lies opposite to another blank face. The cubes in figures (2) and (4) have the shaded face adjacent to the face bearing a square. Therefore, the cubes in these two figures cannot be formed. Hence, only cubes in figures (1) and (3) can be formed.

Q12. Which of the following finished patterns can be obtained from the piece of cardboard (X) shown below?



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

[Level-1; Topic-Dice; Wipro, Accenture, Capgemini]

Answer: A

Solutions:

The pattern on fig. (X) and also the fact that the faces are rectangle, indicate that only fig. (1) can be obtained by folding fig. (X).

Directions (Q13 to Q14)

A cube is cut in two equal parts along a plane parallel to one of its faces. One piece is then coloured red on the two larger faces and green on the remaining, while the other is coloured green on two smaller adjacent faces and red on the remaining. Each is then cut into 32 cubes of same size and mixed up.

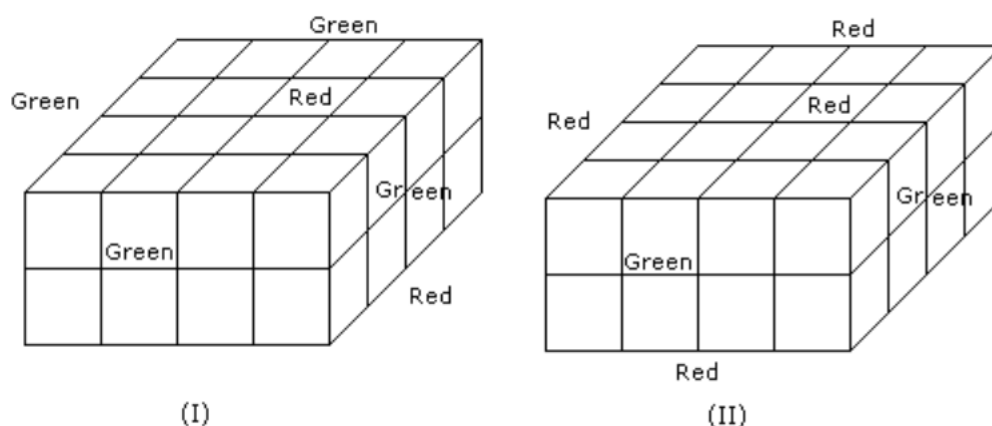
Q13. How many cubes have two red and one green face on each?

- A. 0
- B. 8
- C. 16
- D. 4

[Level-1; Topic-Cube; Wipro, Accenture, Cognizant]

Answer: D

Solution:



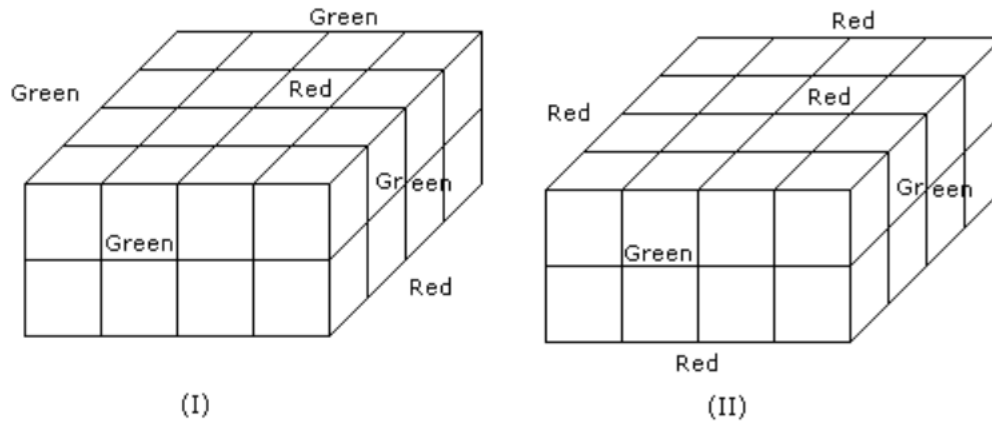
Q14. How many cubes have no coloured face at all?

- A. 32 B. 8 C. 16 D. None

[Level-1; Topic-Cube; Wipro, Accenture, Cognizant]

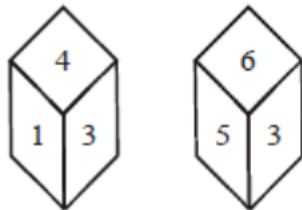
Answer: D

Solution:



There is no such cube in all, where all the faces are un-coloured.

Q15. The number on opposite side of the face having number 3 will be :-



- (A) 1 (B) 2 (C) 4 (D) 5

[Level-1; Topic-Dice; Wipro, Accenture, Capgemini]

Answer: B