Week1_OLT5(Assessment)(LR)_CSE_Immersion_2025

Directions (Q1 to Q2): Consider the following relationships and answer based on the relationships given below:

'P%Q' means 'P is the daughter of Q'.

'P # Q' means 'P is the wife of Q'.

'P$Q' means 'P is the father of Q'.

'P @ Q' means 'P is the brother of Q'.

Q1. N @ B $ M % D indicates what relationship between N and D?

A) D is the sister of N   B) D is the nephew of N   C) D is sister in law of N

D) N is the wife of D   E) None of these

[Level-2; Accenture, Wipro, Infosys]

Answer: C

Explanation: N is the brother of B, B is the father of M, and M is the daughter of D, so L is the daughter of B and D B is the father, so D is female, and so sister in law of N.

Q2. The expression "M # Q @ D% % S" indicates which of the following relationships?

A) Q is the father of S   B) D is the brother-in-law of M   C) M is the sister of S

D) S is the mother-in-law of M   E) None of the above

[Level-2; Accenture, Wipro, Infosys]

Answer: E

Explanation: M is the wife of Q, Q is the brother of D, so M is the sister-in-law of D D is the daughter of S, so M must be the daughter-in-law of S – but the gender of S is not known, and D sister-in-law of M.

Q3. F is the Father of D, who is the father of S. M is the grandmother of R, who is the son of O. N is the paternal uncle of R, who is the brother of S. What is the relationship between O and R?

A) Mother and son,   B) uncle and nephew,   C) Father and son

D) No relation   E) Cannot be determined

[Level-2; Accenture, Wipro, Infosys]

Answer: A

Explanation: R is the brother of S means D is the father of R. R is the son of O, also, so O is the mother of R.

Q4. One afternoon, Manisha and Madhuri were talking to each other face to face in Bhopal on M.G. Road. If Manisha's shadow was exactly to the left of Madhuri, which direction was Manisha facing?

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

[Level-1; Accenture, Wipro, Chetu]

Answer: A

Solution:

GLA UNIVERSITY
Recognised by UGC Under Section 2(f) & 12(B) Status
Accredited with A+ Grade by NAAC
Mathura | Greater Noida

Summer Immersion Placement Program
SIPP 2025

In the afternoon, the sun is in the west. Hence, the shadow is in the east. Now, east is to the left of Madhuri. So, Madhuri is facing south. Therefore, Manisha, who is face to face with Madhuri, is facing north.
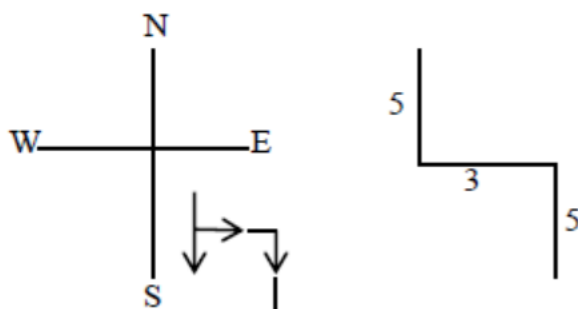
Q5. 'X' started walking straight towards the South. He walked a distance of 5 metres and then took a left turn and walked a distance of 3 metres. Then he took a right turn and walked a distance of 5 metres again. 'X' is facing which direction now?

(a) North-East   (b) South   (c) North   (d) South-West

[Level-1; Accenture, Wipro, Chetu]

Answer: B
Solution:

Q6. One morning after sunrise, Gopal was facing a pole. The shadow of the pole fell exactly to his right. Which direction was he facing?

(a) South   (b) East   (c) West   (d)   Data inadequate

[Level-1; Accenture, Wipro, Chetu]

Answer: A
Solution:
The Sun rises in the east. So, in the morning, the shadow falls towards the west. Now, the shadow of the pole falls to the right of Gopal. Therefore, Gopal's right side is the west. So, he is facing South.

Q7. In a class with a certain number of students, Aprajita's rank from the top is 23rd, and Harshit's
rank from the bottom is 16th. There are 10 students between Aprajita and Harshit. How many students are there in total in that class?

A. 45   B. 65   C. 40   D. 80   E. 50

[Level-1; Topic-Ranking Test; Accenture, Wipro, Infosys]

Answer: E
Solution:
Let the total number of students be x
According to the questions,
x-23-16-1 = 10
⇒ x = 50

Directions (Q8 to Q10): Study the data given below and answer the following questions:
'Royal Monarch Regal' is written as @ # *
'Regal legacy Gold' is written as * %?
'Hope Gold Life' is written as **% & $**
'Regal Monarch Morals' is written as # * ∀

[Level-2; Accenture, Wipro, Infosys, Chetu]

Q8. What will be the code for Regal?

A) %   B) *   C) $ D) #   E) ?

Answer: B

Explanation:

regal	*
gold	%
legacy	?
hope	$ / &
monarch	#
moral	∀
royal	@
life	& / $

Q9. What will be the code for "Gold Legacy"?

A. # &   B. % #   C. ? %   D. * ∀   E. & $

Answer: C

Explanation

regal	*
gold	%
legacy	?
hope	$ / &
monarch	#
moral	∀
royal	@
life	& / $

Q10. Which word is coded as #?

A) Moral   B) Life   C) Regal   D) Monarch   E) Legacy

Answer: D

Explanation:

regal	*
gold	%
legacy	?
hope	$ / &
monarch	#
moral	∀
royal	@
life	& / $

Q11. How many times in a day do the hands of a clock coincide with each other?

a) 11   b) 48   c) 22   d) 24

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

Answer: C

Solution: The Hands of a clock coincide once every hour. But, between 11'o o'clock to 1'o o'clock, they coincide only once. So, the hands of a clock coincide 22 times in 24 hours.

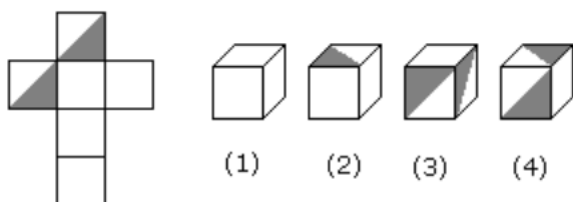**Q12**. The hour hand takes ___ full rounds of a clock in a day.

a) 12   b) 2   c) 24   d) 4

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

Answer: B

Solution: The hour hand takes 2 full rounds of a clock in a day

Q13. The figure given on the left-hand side in each of the following questions is folded to form a box. Choose from the alternatives (1), (2), (3) and (4) the boxes that are similar to the box formed.

A. 1, 2 and 4 only

B. 3 and 4 only

C. 1 and 2 only

D. 1, 2 and 3 only

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

Answer: A

Solution: The Symmetry of half-dark faces is not shown correctly in Figure three.

Q14. A cube of each side 4 cm has been painted black, blue and red on pairs of opposite faces. It is then cut into small cubes of each side 1 cm. The following questions and answers are based on the information given above –

Q.1. How many small cubes will be there?

A. 64   B. 48   C. 16   D. 24

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

Answer: A

Solution:

n = 4/1 = 4 No. of small cubes = n3 = 64

Q15. A cube of each side 4 cm has been painted black, blue and red on pairs of opposite faces. It is then cut into small cubes of each side 1 cm. The following questions and answers are based on the information given above –

How many small cubes will have three faces painted?

A. 54   B. 8   C. 16   D.24

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

Answer: B

Solution: There are only 8 vertices in a cube, and three face-painted cubes will form only on vertices.