

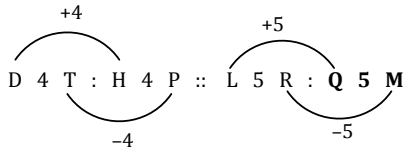
18. Ans: [b]

The pattern of the series is illustrated below,



19. Ans: [c]

The pattern of the series is illustrated below,



20. Ans: [d]

The analogy/relationship from the L.H.S. of the question can be identified as shown below

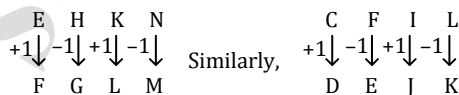
$$\begin{array}{l} 06 \rightarrow 60 \\ 120 \rightarrow 210 \end{array}$$

Letters in the 1st and 2nd positions are interchanged as shown above.

Hence, the answer is option (d).

21. Ans: [a]

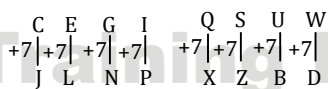
The pattern of the series is illustrated below,



Hence, the answer is option [a].

22. Ans: [c]

The pattern of the series is illustrated below,



Hence, the answer is option [c].

23. Ans: [a]

In the pairs given, the first two letters are swapped.

Hence, the answer option is [a].

24. Ans: [c]

The relationship between the letters in the L.H.S. of the question increase by 4. So, the answer is MPNO.

Hence, the answer is option c.

25. Ans: [d]

The relationship between the terms can be identified as follows,

The difference is 2 between the 1st letters of the terms. This is same with the 2nd letters. The difference is 1 between the 3rd letters and this is same for the 4th letters as well.

Applying the same to UIOZ, we get WKPA.

Hence, the answer is option [d].

26. Ans: [a]

The relationship between the terms can be identified as follows,

The difference is 3 between the 1st letters of the terms. This is same with the 2nd and 3rd letters of the terms as well.

Applying the same to IHK, we get LKN.

Hence, the answer is option [a].

27. Ans: [c]

28. Ans: [c]

First letter increases by 2

The number decreases by 5

Third letter decreases by 2

29. Ans: [b]

30. Ans: [a]

VISUAL REASONING – I

SESSION – 10

ABSTRACT REASONING

- | | | | |
|---------|---------|---------|---------|
| 1. (d) | 2. (a) | 3. (c) | 4. (c) |
| 5. (d) | 6. (d) | 7. (d) | 8. (d) |
| 9. (b) | 10. (c) | 11. (a) | 12. (d) |
| 13. (a) | 14. (c) | 15. (b) | |

INPUT-TYPE DIAGRAMMATIC REASONING

16. Ans: [c]

For finding the code of the word DAILY, we know the codes for the letter A, I, L, Y are q, a, l, z respectively. But code for D is not known. So the coding of DAILY will definitely have all the four letters. q, a, l, z being the codes for A, I, L, Y. Now, option (a) is not our answer because 'a' has been repeated twice. Option (b) is not our answer because I cannot be the code for D because I is not available in the coding of DESTINY. Option (d) is also not our answer where code 'l' is missing. Hence option (c) is our answer and code for D is t, which is also present in the coding of DESTINY.

17. Ans: [a]

The codes for the letters T, E, A, R are j, w, q, n respectively.

18. Ans: [D]
The first change deletes the K, next the U is changed to V and finally a P is inserted between the Z and the L.
19. Ans: [A]
The first change deletes the P, then the N is replaced with an M and finally the C and the first M are exchanged.
20. Ans: [B] 21. Ans: [D] 22. Ans: [B] 23. Ans: [D]
24. Ans: [A] 25. Ans: [D]


VISUAL REASONING – II

SESSION – 11




SPATIAL REASONING

1. (a) 2. (a) 3. (a) 4. (a)
5. (d) 6. (b) 7. (d) 8. (c)
9. (d) 10. (b) 11. (d) 12. (c)
13. (a) 14. (b) 15. (b)

CUBES

16. Ans: [c]
The fig. (X) is similar to the Form VI. So, when a cube is formed by folding the sheet shown in fig. (X), then  is one of the faces of the cube. However, the cube in fig. (1) has two such faces and fig. (4) has a face which is completely shaded. So, these two cubes cannot be formed. Hence, only the cubes in figures (2) and (3) can be formed.
17. Ans: [a]
The fig. (X) is similar to the Form I. So, when the sheet shown in fig. (X) is folded to form a cube then one of the two half-shaded faces lies opposite to one of the blank faces and the other half-shaded face lies opposite to another blank face. The two remaining blank faces lie opposite to each other. Thus, both the cubes shown in figures (1) and (4) can be formed when the sheet shown in fig. (X) is folded. Also, though the cubes shown in figures (2) and (3) have faces that can appear adjacent to each other but the cube formed by folding the sheet in fig. (X) cannot be rotated to form either of the two. Hence, the cubes in figures (2) and (3) cannot be formed.
18. Ans: [d]
The given figure is similar to Form V. Therefore, when this figure is folded to form a cube then the face bearing six dots will lie opposite the face bearing three dots.
19. Ans: [a]
The fig. (X) is similar to Form II. So, when the sheet shown in fig. (X) is folded to form a cube then the two half-shaded faces lie opposite to each other, the face bearing a circle lies opposite to one of the two blank faces and the

two remaining blank faces lie opposite to each other. Therefore, the cubes shown in fig. (4) which has the two half-shaded faces adjacent to each other, cannot be formed by folding the sheet shown in fig. (X). Also, the cube shown in fig. (2) has the face bearing a circle adjacent to two blank faces. This is not possible since there is one blank face opposite to the circle and one blank face opposite to the third blank face. Hence, only the cubes in figures (1) and (3) can be formed.

20. Ans: [d]
The fig. (X) is similar to the Form VII. So, when a cube is formed by folding the sheet shown in fig. (X), then  is one of the faces of the cube and this face lies opposite to a blank face. Also, a face bearing a square lies opposite to another blank face. The remaining two blank faces lie opposite to each other. Clearly, in the cube shown in fig. (1), the face consisting of the four symbols is not the same as that formed (as shown above). Hence, the cube in fig. (1) cannot be formed.
21. Ans: [b]
The fig. (X) is similar to the Form VIII. So, when a cube is formed by folding the sheet shown in fig. (X), then  and  are the two faces and these two faces lie opposite to each other. Also, the face bearing the 'x' sign lies opposite to the face bearing the black circle and the face bearing the white circle lies opposite to the face bearing the square (having a dot inside it). Now, the cubes in figures (2) and (4) consist of faces which are not formed when the sheet in fig. (X) is folded. Hence, these two cubes are not formed. Therefore, only the cubes in figures (1) and (3) are formed.
22. Ans: [a]
We shall assume the dice in fig. (ii) to be rotated so that the 5 dots appear at the same position as in fig. (i) i.e. on RHS face (i.e. on face II as per activity 1) and 1 dot appears at the same position as in fig. (i) i.e. on Front face (i.e. on face I). Then, from the, two figures, 2 dots appear on the top face (i.e. on face V) and 4 dots appear on the Bottom face (i.e. on face VI).
Since, these two faces are opposite to each other, therefore, two dots are contained on the face opposite to that containing four dots.
23. Ans: [c]
From figures (ii) and (iii), we conclude that 1, 6, 3 and 4 dots lie adjacent to 5 dots. Therefore, 2 dots must lie opposite 5 dots. Conversely, 5 dots must lie opposite 2 dots.
24. Ans: [c]
From figures (ii) and (iii), we conclude that the alphabets C, D, B and F appear adjacent to the alphabet E. Therefore, the alphabet A appears opposite E. Conversely, E appears opposite A.