

**REASONING ABILITY TOPIC WISE EXAM –  
(DIRECTION, BLOOD RELATION)**

- A man standing facing north starts walking. After walking for 5 m he took a left turn and walked for 10m. Now he walked for 20 m after turning to his right and again he turned right and finally stopped after walking 10 m. What is the distance from the starting point?
  - 18 m
  - 20 m
  - 15 m
  - 25 m
  - None of these
- From a point Sahil starts walking in south-east direction. After walking for 6 m, he turned to west and walks another 10 m. Now he turned towards north-west and walks 6 m and then finally stopped after turning to east and walking 2 m. Find the distance from the starting point.
  - 10 m
  - 8 m
  - 12 m
  - 6 m
  - None of these
- From a point Sahil started walked towards south. After walking for 20 m, he took a left turn and walked 40 m. Again he took a left turn and walked 15 m. Now he turned to his right and finally stopped after walking 10 m. How far is he from the starting point?
  - 42.50 m
  - 50.25 m
  - 30.75 m
  - 45 m
  - None of these
- A person started walking in south direction. After walking for 40 m he turned to his left and then walked 20 m. Now he turned to north and walked 30 m. In which direction is he now with respect to starting point?
  - South-east
  - North-east
  - North
  - South
  - North-west
- Point A is 7 m west of point B. Point C is 5 m north of point B. A point D on AB 2 m away from point A meets BC at point E with  $DE = \sqrt{34}$  m. Find the distance EC.
  - 3 m
  - 2 m
  - 4 m
  - Data inadequate
  - None of these
- From a point, Suman walked 10 m towards east, then she took a right turn and walked another 10 m. Then she turned to her left and walked 30 m. Again turning left and after walking 40 m she stopped. How far and in which direction is she from starting point?
  - 50 m, south-east
  - 50 m, north-east
  - 20 m, north-east
  - 50 m, north-west
  - None of these
- Madhuri started walking in north and after walking 5 m she turned to her left. Now she walked 4 m and turned to her left again and walked 5 m. Now finally she turned to her left again and walked 5 m. What is the distance of this point from starting point?
  - 0 m
  - 4 m
  - 2 m
  - 1 m
  - None of these
- Point A is 15 m west of point B. Point C is 13 m south of point B and also 5 m east of point E. Point F is 20 m north of point E. What is the distance AF?
  - 49 m
  - $7\sqrt{49}$  m
  - 20 m
  - $\sqrt{149}$  m
  - None of these
- In above question, what is the direction of point C with respect to point A?
  - West
  - East
  - South
  - South-west
  - South-east
- Shruti walks 5 m towards south. Now she walks 10 m after turning to her left. Now she turns to her right and walks 2 m, takes a right turn again and walks 4 m. Now finally she takes a right turn and walks 15 m and stops. Find the distance from starting point?
  - 16 m
  - 10 m
  - 10 m
  - 12 m
  - None of these
- Sumit starts his journey by walking in South direction. After travelling a distance of 60 m, he turned to his right and travelled 45 m. Then he goes 30 m towards North and further travels by turning  $45^\circ$  in clockwise direction. In what direction is he travelling now?
  - South
  - North
  - West
  - East
  - None of these

- A. South-west
- B. North-east
- C. North-west
- D. South-east
- E. East

12. Anoop starts walking 15 m towards South. Now he turned North and walked for 20 m, then towards East and walked 10 m. Finally he turns towards South and walked 5 m. In which direction is he walking now and how far from original position?

- A. 10 m, North
- B. 15 m, East
- C. 10 m, East
- D. 5 m, West
- E. None of these

13. Vinay started his journey towards north to reach his office. After reaching the office he turned  $180^\circ$  in clockwise direction and then  $45^\circ$  in anticlockwise direction. Which direction is he facing now?

- A. North west
- B. South east
- C. West
- D. South west
- E. None of these

14. After walking for 7 m, Sakshi turned to her left and walked another 12 m. Again she turned to her left and walked for 4 m after which she turned to her right and reach her destination and now she is facing east. In which direction did Sakshi start her journey?

- A. West
- B. East
- C. North
- D. South
- E. South-east

15. Shilpi wants to go to market and she starts from her home which is in North and comes to a crossing. The road to her left ends in a mall and straight ahead is a park. In which direction is the market to the house? (Suppose there are 4 places in 4 directions of the crossing)

- A. 3
- B. 5
- C. 6
- D. Data inadequate
- E. None of these

16. A town P is located on the river valley. The town Q is in the west of town P. Town R is east of town Q but west of town P. Town S is east of town T but west of town Q and R. If all these towns are situated at equal distances from adjacent towns, which town is in the middle?

- A. P

- B. Q
- C. R
- D. S
- E. T

17. After walking for 1 m, Madhuri turned to her left and walked another 12 m. Again she turned to her left and walked for 4 m. Now she is travelling in East direction. In which direction did she start her journey?

- A. West
- B. East
- C. North
- D. South
- E. North-east

18. Ram started walking towards North. After walking for 5 m, he turned to his right where he walked 10 m before he took the left turn. Now he walked for 5 m and then took a right turn. He walked for 4 m and then finally stopped after turned to his right to add additional 8 m to his journey. At what distance is he from the starting point?

- A. 10 m
- B.  $10\sqrt{2}$  m
- C. 20 m
- D.  $18\sqrt{2}$  m
- E. None of these

19. A clock is placed in such a way that when it is 12'O clock, the hands point towards North east direction. In which direction will the hour hand point at 6 PM?

- A. West
- B. East
- C. South
- D. South-west
- E. South-east

20. Ranveer starts from point P towards south and walks 5 m. Now he turns to his left and walks 10 m. Now walks 2 m to his right, takes a right turn and walks 4 m, then he gain turns to his right and walks 15 m and reaches point Q. Find the distance PQ, and Q is in which direction with respect to P?

- A. 16 m, North
- B. 10 m, North west
- C. 10 m, North east
- D. 12 m, north east
- E. None of these

**'P × Q' means 'P is son of Q'.**

**'P + Q' means 'P is daughter of Q'.**

**'P ÷ Q' means 'P is wife of Q'.**

**'P – Q' means 'P is father of Q'.**

21. In the expression 'K + H – P ? Q', what will come in place of ? if Q is mother of K?

- A. +

- B. –  
C. ÷  
D. ×  
E. None of these

22. Which of the following relation is true with regard to expression 'B ÷ P × Z – K + O'?

- A. P is brother of O  
B. B is daughter-in-law of K  
C. B is daughter-in-law of O  
D. O is daughter of Z  
E. None of these

23. Which of the following pairs represent the first cousins in the expressions – 'L ÷ V – J + P' and 'S × A – D + F – E + K' – if it is given that A is the sister of J?

- A. LP  
B. SP  
C. SK  
D. SF  
E. Cannot be determined

24. If it is provided that M is grandmother of P, then what will come in place of ? in expression – 'P – H ÷ T ? M'?

- A. +  
B. –  
C. ÷  
D. ×  
E. None of these

**'A \$ B' means 'A is father of B'**

**'A # B' means 'A is wife of B'**

**'A @ B' means 'A is brother of B'**

**'A % B' means 'A is daughter of B'**

25. P @ R \$ J # T indicates what relationship between P and J?

- A. J is sister of P  
B. J is nephew of P  
C. J is niece of P  
D. Cannot be determined  
E. None of these

26. The expression "P # O @ G % F" indicates which of the following relationship?

- A. O is father of F  
B. G is brother-in-law of P  
C. P is sister of F  
D. F is mother-in-law of P  
E. Cannot be determined

27. 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

28. 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

29. Pointing to a lady, Arun said "The son of her only brother is the brother of my wife". How is the lady related to Arun?

- A. Mother's sister  
B. Grandmother  
C. Mother-in-law  
D. Sister of father-in-law  
E. Maternal aunt

Her brother is Arun's father-in-law, so she is sister of father-in-law

30. Pointing to a person, Arun said to Sarika, "His mother the only daughter of your father." How is Sarika related to that person?

- A. Aunt  
B. Daughter  
C. Mother-in-law  
D. Mother  
E. Sister

**A is sister of B. E is brother of B. E is son of H. H is married to F. F is daughter of G. F has only one daughter. G is married to C. E is brother of D. D is married to I.**

31. How is I related to A ?

- A. Sister  
B. Mother  
C. Daughter-in-law  
D. Sister-in-law  
E. None of these

32. If M is brother of C then how is G related to M ?

- A. Cousin  
B. Uncle  
C. Brother  
D. Can't be determined  
E. None of these

33. If R is daughter of I then how B is related to R ?

- A. Uncle  
B. Brother  
C. Father

- D. Can't be determined
- E. None of these

**R daughter I brother B**

**$A \times B$  means A is brother of B**

**$A \div B$  means A is sister of B**

**$A + B$  means A is father of B**

**$A - B$  means A is mother of B**

34. Which of the following means P is nephew of K ?

- A.  $P \times M \div K \times T$
- B.  $T + M - P \times K$
- C.  $K - M \div T + P$
- D.  $K \div M - P \times T$
- E. None of these

35. Which of the following means F is grandfather of G ?

- A.  $F + J - G$
- B.  $F - J + G$
- C.  $H * F + G$
- D.  $G \div J * F$
- E. None of these