

BHARAT SCHOOL OF BANKING

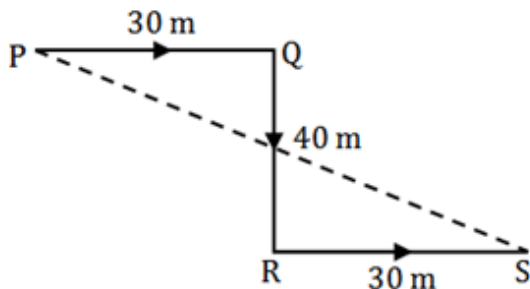
DIRECTION SENSE TEST

Q1. Amar walked 30 metres towards East, took a right turn and walked 40 metres. Then he took a left turn and walked 30 metres. In which direction is he now from the starting point?

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

1. Ans.(c)

Sol.



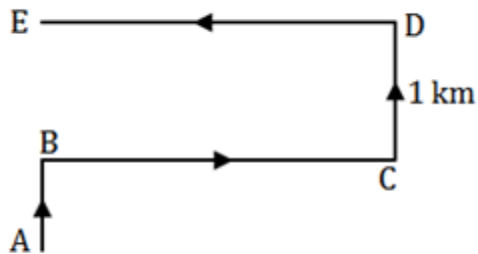
The movements of Amar are as shown in figure. (P to Q, Q to R and R to S). Clearly, his final position is S which is to the South-east of the starting point P.

Q2. Rahul walks northwards, after a while, he turns to his right and walks a little further and then decides to turn to his left. Finally, after walking a distance of one kilometre, he turns to his left again. In which direction is he moving now with reference from where he has started?

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

2. Ans.(d)

Sol.



The movements of Rahul are as show in figure.

Clearly, he is finally walking in the direction DE i.e. West.

Q3. Rajeev travelled from a point X straight to Y at a distance of 80 metres. He turned right and walked 50 metres, then again turned right and walked 70 metres. Finally, he turned right and walked 50 metres. How far is he from the starting point?

- (a) 10 metres
- (b) 20 metres

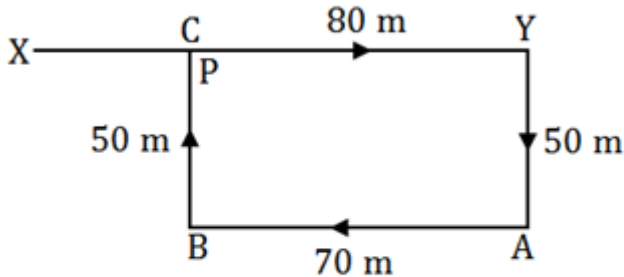
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- (c) 50 metres
- (d) 70 metres

3. Ans.(a)

Sol.



The movements of Rajeev are as shown in figure. (X to Y, Y to A, A to B, B to C.)

∴ Rajeev's distance from the starting point

$$= XC = (XY - YC) = (XY - BA)$$

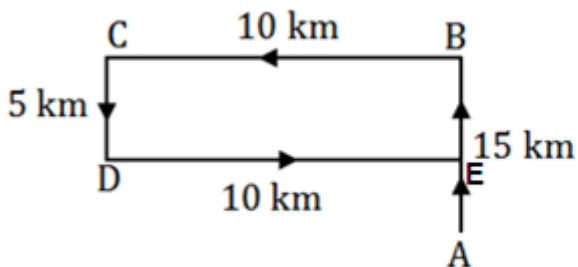
$$= (80 - 70) \text{ m} = 10 \text{ m}.$$

Q4. From his house, Daksh went 15 kms to the North. Then he turned West and covered 10 kms. Then, he turned South and covered 5 kms. Finally turning to East, he covered 10 kms. In which direction is he from his house?

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

4. Ans.(c)

Sol.



The movements of Daksh are as shown in figure. (A to B, B to C, C to D and D to E).

Clearly, his final position is E which is to the North of his house at A.

Q5. Sanjeev walks 20 m North. Then he turns right and walks 30 m. Then he turns right and walks 35 m. Then he turns left and walks 15 m. Then he again turns left and walks 15 m. In which direction and how many metres away is he from his original position?

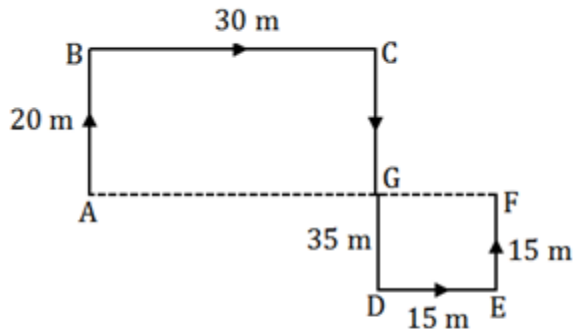
- (a) 15 metres West
- (b) 30 metres East
- (c) 30 metres West
- (d) 45 metres East

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5. Ans.(d)

Sol.



The movements of Sanjeev from A to F are as shown in figure.

Since $CD = AB + EF$, so F lies in line with A.

∴ Sanjeev's distance from original position A

$= AF = (AG + GF)$

$= (BC + DE) = (30 + 15) \text{ m} = 45 \text{ m}.$

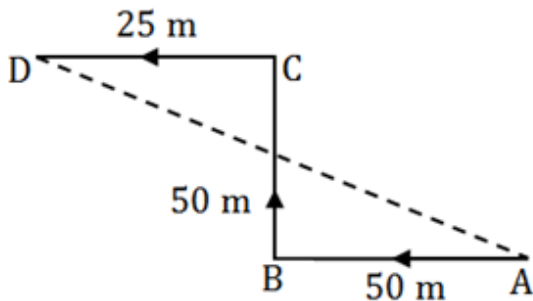
Also, F lies to the east of A.

Q6. The door of Karan's house faces the East. From the back side of his house, he walks straight 50 metres, then turns to the right and walks 50 metres again. Finally, he turns towards left and stops after walking 25 metres. Now Karan is in which direction from the starting point?

- (a) South-east
- (b) North-east
- (c) South-west
- (d) North-west

6. Ans.(d)

Sol.



Since Karan's houses faces towards East and he walks from backside of his house, it means that he starts walking towards West. Thus, the movements of Karan are as shown in figure. (A to B, B to C, C to D).

Clearly, Karan's final position is D which is to the North-west of the starting point A.

Q7. Two ladies and two men are playing cards and are seated at North, East, South and West of a table. No lady is facing East. Persons sitting opposite to each other are not of the same sex. One man is facing South. Which directions are the ladies facing?

- (a) East and West

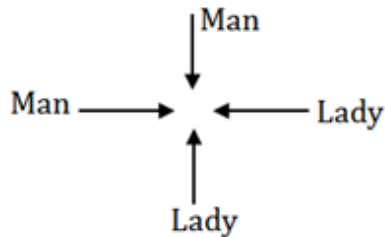
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- (b) South and East
- (c) North and East
- (d) North and West

7. Ans.(d)

Sol.



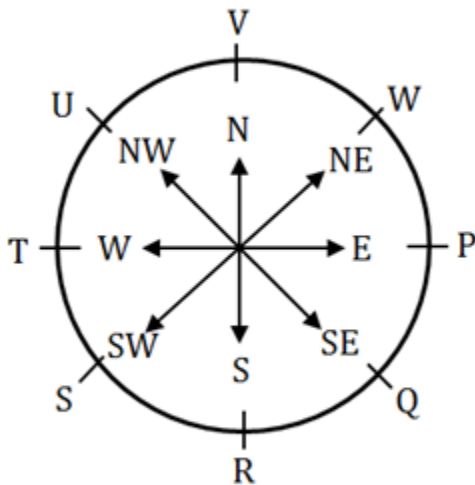
No lady is facing east means a man faces east. Persons opposite are not of same sex. So, a woman will be facing west. Again, a man faces south. So, opposite to him will be a woman facing north.

Q8. P, Q, R, S, T, U, V and W are sitting around a round table in the same order, for group discussion at equal distances. Their positions are clockwise. If V sits in the north, then what will be the position of S?

- (a) East
- (b) South-east
- (c) South
- (d) South-west

8. Ans.(d)

Sol.



Clearly, the seating arrangement is as shown in the adjoining figure.

So, S is at the south-west position.

Q9. If 'South-east' is called 'East', 'North-west' is called 'West', 'South-west' is called 'South' and so on, what will 'North' be called?

- (a) East
- (b) North-east

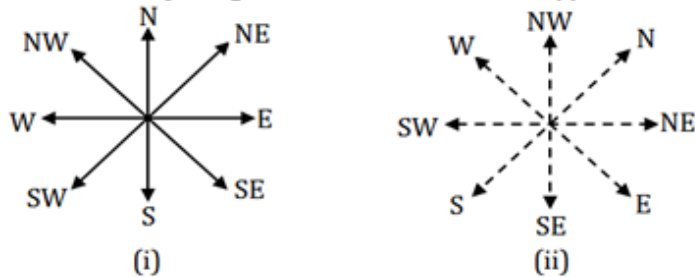
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- (c) North-west
- (d) South

9. Ans.(c)

Sol. In diagram (i) the directions are shown as they actually are. Diagram (ii) is as per the given data. So, comparing the direction of North in (i) with that in (ii), North will be called North-west.



Q10. A direction pole was situated on the crossing. Due to an accident the pole turned in such a manner that the pointer which was showing East, started showing South. One traveler went to the wrong direction thinking it to be West. In what direction actually he was travelling?

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

10. Ans.(b)

Sol.

The actual positions of the directions are as shown in I while the changes positions of the pointer can be described by II.

Clearly, the direction of West shown by the pointer in wrong position (Fin. II) is actually south.

