

TOPIC: -DISTANCE AND DIRECTIONS

PRACTICE SET

1. A man facing towards North- West turns Left, Right, Right, Right, and Left. In series. In which direction now he is?
 - a) North
 - b) South-West
 - c) South
 - d) North- East
2. A man facing towards South- East turns LEFT= 90° , Right= 135° , left 180° , Right= 45° and Left = 45° continuously. In which direction now he is?
 - a) South West
 - b) North East
 - c) North
 - d) East
3. From point 'A' Raju walks 20 m. to the North then turns Left and walks 20 m. to reach at point B. find the distance b/w A and B?
 - a) 20m
 - b) 40m
 - c) $400\sqrt{2}$ m
 - d) $20\sqrt{2}$ m
4. My face is in South Direction. I turn Right and walks 20m. Then turns Right and walk 10m. Then turns Left and walks 10 m. Then turns Right and walks 20 m. Again turns Right and walk 60 m. In which direction I am from (starting) Initial point?
 - a) North
 - b) North East
 - c) North west
 - d) East
5. Rohit from Point 'A' walks 20m to the east. Then turns right and walks 10m. Again turns right and walk 9m, then turns left and walks 5m, again turns left and walks 12m, Again. Turn lefts walks 5m and reached at point B. In which direction is he going now?
 - a) South
 - b) West
 - c) North
 - d) East
6. A man from point A walks 20 m. to the north, then turns left and walks 40m. Again turns left and walks 20 m. At last he turns right and walks 20m. to reach at the point B. Find distance and direction from point A to B?
 - a) 20m West
 - b) 40m East
 - c) 60m West
 - d) 60m East
7. A man from point A walks 100 m to the North direction, then walks 60m to the South then walks 30 m to the east and reaches at point B. Find the distance and direction from point A to point B?
 - a) 70m East
 - b) 90m south
 - c) 50m north
 - d) 50m south
8. Rohit walks 100m. to the East from point 'A'. Then turns right and walk 100m. Again turns right and walk

- 20m. Again turns right and walk 250m and reached at point B. Find shorten distance b/w A, B?
- 75m
 - 180m
 - 170m
 - 200m
9. Seema walks 7m, to the south. East from point A. Then walks 14 m to the west, and then walks 7m to the North West. In the last she walks 4m, to the East and reached at point B. Find A B?
- 18m
 - 19m
 - $98\sqrt{2}$ m
 - 10m
10. A man walked 60m. To the East from point A, then turn right and walked 50 m. In Last he turns left and went for 60m and reached at point B. Find AB?
- 170m
 - 130m
 - 145m
 - 150m
11. Sumit walks 20m. to the East from Point 'A'. Then walks 20 m to South-West directions. Then walks 20 m in North West direction and reaches at point B . Find distance between A and B?
- 0m
 - $(20\sqrt{2}-1)$ m
 - 20m
 - $20\sqrt{2}$ m
12. Aman walks 30 m to the North from point A then turns left walks 10m. Again turns left and walks 6 m. then again turns left and walks 3m and reach at point B. Find the distance and direction from A and B?
- 20m (S.W)
 - 30m (S.E)
 - 25m (N.E)
 - 25m (N.W)
13. Manick walked 40 metres towards North, took a left turn and walked 20 metres. He again took a left turn and walked 40 metres. How far and in which direction is he from the starting point?
- 20 metres East
 - 20 metres North
 - 20 metres South
 - 100 metres South
 - None of these
14. A man leaves for his office from his house. He walks towards East. After moving a distance of 20 m, he turns south and walks 10 m. Then he walks 35 m towards the West and further 5 m towards the North. He then turns towards East and Walks 15 m. What is the distance between his initial and final positions?
- 0
 - 5
 - 10
 - Cannot be determined
 - None of these
15. A man walks 30 metres towards South. Then, turning to his right, he walks 30 metres. Then, turning to his left, he walks 20 metres. Again, he turns to his left and walks 30 metres. How far is he from his initial position?
- 20 metres
 - 30 metres
 - 60 metres
 - 80 metres
 - None of these

SOLUTIONS

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

