## **DIRECTION AND DISTANCE**

- A man facing towards North-West turns Left, Right, Right, Right, 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°, Let = 180°, Right = 45°, 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 distance b/w A and B. ?
  - (a) 20 m. (b) 40 m.

(c)  $400\sqrt{2}$  (d)  $20\sqrt{2}$  m.

4. My face is in South Direction. I 9. turns Right and walks 20 m. Then turns Right and walks 10 m. Then turns left and walks 10 m. Then turns right and walks 20 m. Again turns right and walks 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 20 m. to the east, Then turns right and walks 10 m. Again turns right and walks 9 m, Then turns left and walks 5 m, again turns left and walks 12 m, Again. Turn left walks 5 m 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 40 m. again turns left and walks 20 m. At last he turns right and walks 20 m. to reach at point B. Find distance and Direction from point A to B.?
  - (a) 20 m./West
  - (b) 40 m./East
  - (c) 60 m./West
  - (d)60 m./East

- 7. A man from point A walks 100 m. to the North direction, then walks 60 m. to the South then walks 30 m. to the east and reaches at point B. Find distance and direction from point A to point B.?
  - (a) 70 m./East
  - (b) 90 m./South
  - (c) 50 m./North-East
  - (d) 50 m./South-East
- Rohit walks 100 m. to the East from point 'A' Then turns right and walks 100 m., Again turns right and walks 20 m., Again turns right and walks 250 m. and reached at point B. Find shortest distance b/w A, B?
   (a) 75 m.
   (b) 180 m.
   (c) 170 m.
   (d) 200 m.
- (c) 110 m. (d) 100 m.
  Seema walks 7 m. to the South-East from point A. Then walks 14 m to the west, then walks 7 m. to the North-West. In last she walks 4 m. to the East and reached at point B. Find A B.? (a) 18 m. (b) 19 m.

(c)  $98\sqrt{2}$  m. (d) 10 m.

- 10. A man walked 60 m. to the East from point A, then turn right and walked 50 m. In last he turn left and went for 60 m. and reached at point B. Find AB?
  (a) 170 m. (b) 130 m.
  (c) 145 m. (d) 150 m.
- Sumit walks 20 m. to the East from point 'A', Then walks 20 m. in South-West direction. Then walks 20 m in North-West direction and reaches at point B. Find distance b/w A and B.?
  - (a) 0 m. (b)  $(20\sqrt{2}-1)$  m.

(c) 20 m. (d) 20  $\sqrt{2}$  m.

12. A man walks 30 m. to the North from point A then turns Left walks 10 m. Again turns left and walks 6 m, Then again turns left and walks 3 m and reach's at point B. Find distance and direction from A to B.?

(a) 20 m. (S.W.) (b) 30 m. (S.E.)

(c) 25 m. (N.E.) (d) 25 m. (N.W)

13. Rohan's schools's bus face was in North when it reached in school. After started from bus stand it was turn two times to the right, one time in left and then reached at school. In which direction was the face of bus when it was on bus-stand.

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

14. In the morning after sunrise Ram and Shyam talking with each other standing in front of each other. If the shadow of Ram falls left to the Shyam. then in which direction is Shyam's Face?

(a) East (b) South

- (c) North (d) West
- 15. In the evening before Sunset at 6 P.M. Rohit stands in front of a 'Electric board'. If the shadow of Board falls just left to the Rohit. Then in which direction is Rohit's Face?

(a) East (b) North

(c) South (d) West

16. The Hour hand of a clock is in North. at4:30. Then Find direction of Minute hand at 7:00 o'clock.

(a) South (b) South-West

(c) South-East (d) East

17. The Minute hand of a clock is in North-East at 8:45. Then in which direction the Hour hand will be at 1:30.

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

18. The Minute hand of a clock is in North-East a 4:30. Then in which direction the hour hand will be at 10:30

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

## ANSWER KEYS

(Exercise- I)





From bus stand bus turns two times right and one time left. Hence we can cancel A right turn to a left turn. So Bus Face in **west** on Bus stand.

Ram



Shadow



Shyam

Shadow is falling in the left of Shyam. Hence Shyam's face was in **North** 

15. (c)

Rohit Shadow





We will rotate 135° Anticlock wise from North.

Ans. South- West

17. (c)







Ans. South





We will rotate 135° anti clockwise from N.E. **Ans. South**