

Direction and Distance

- Q.1 I am facing east. I turn 100° in the clockwise direction and then 145° in the anti-clockwise direction. Which direction am I facing now?
- (A) East
 - (B) North-east
 - (C) North
 - (D) South-west
- Q.2 You go North, turn right, then right again and then go to the left. In which direction are you now?
- (A) North
 - (B) South
 - (C) East
 - (D) West
- Q.3 Kunal walks 10 kilometres towards North. From there, he walks 6 kilometres towards South. Then, he walks 3 kilometres towards East. How far and in which direction is he with reference to his starting point?
- (A) 5 kilometres West
 - (B) 5 kilometres North-east
 - (C) 7 kilometres East
 - (D) 7 kilometres West
- Q.4 Rohan walks a distance of 3 km towards North, then turns to his left and walks for 2 km. He again turns left and walks for 3 km. At this point he turns to his left and walks for 3 km. How many kilometres is he from the starting point?
- (A) 1 km
 - (B) 2 km
 - (C) 3 km
 - (D) 5 km

- Q.5 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?
- (A) 20 metres East
 - (B) 20 metres North
 - (C) 20 metres South
 - (D) None of these
- Q.6 Namita walks 14 metres towards west, then turns to her right and walks 14 metres and then turns to her left and walks 10 metres. Again turning to her left she walks 14 metres. What is the shortest distance (in metres) between her starting point and the present position?
- (A) 10
 - (B) 24
 - (C) 28
 - (D) 38
- Q.7 Mahesh walks 20 metres towards North. Then he turns left and walks 40 metres. He again turns left and walks 20 metres. Further, he moves 20 metres after turning to the right. How far is he from his original position?
- (A) 20 m
 - (B) 30 m
 - (C) 50 m
 - (D) 60 m
- Q.8 Suresh walks 20 metres 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 turns left and walks 15 m. In which direction and how many metres away is he from his original position?
- (A) 15 m; West
 - (B) 30 m; East
 - (C) 30 m; West
 - (D) 45 m; East

- Q.9 From his house, Lokesh 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
- Q.10 After walking 6 kms, I turned right and covered a distance of 2 kms, then turned left and covered a distance of 10 kms. In the end, I was moving towards the North. From which direction did I start my journey?
- (A) North
 - (B) South
 - (C) East
 - (D) West
- Q.11 One evening before sunset two friends Sumit and Mohit were talking to each other face to face. If Mohit's shadow was exactly to his right side, which direction was Sumit facing?
- (A) North
 - (B) South
 - (C) West
 - (D) Data inadequate
- Q.12 One morning after sun-rise, Reeta and Kavita were talking to each other face to face at Broad Square. If Kavita's shadow was exactly to the right of Reeta, which direction Kavita was facing?
- (A) North
 - (B) South
 - (C) East
 - (D) Data inadequate

- Q.13 While facing East, Rohit turns to his left and walks 10 meters, then he turns left and walks 10 meters. Now he turns 45° towards his right and goes straight to cover 25 meters. In which direction is he from his starting point?
- (A) North-east
 - (B) North-west
 - (C) West
 - (D) South-east
- Q.14 A man is performing yoga with his head down and legs up. His face is towards the west. In which direction will his left hand be?
- (A) North
 - (B) South
 - (C) East
 - (D) West
- Q.15 Radha moves towards South-east a distance of 7 m, then she moves towards West and travels a distance of 14 m. From here, she moves towards North-west a distance of 7 m and finally she moves a distance of 4 m towards East and stood at that point. How far is the starting point from where she stood?
- (A) 3 m
 - (B) 4 m
 - (C) 10 m
 - (D) 11 m
- Q.16 Gopal starts from his house towards West. After walking a distance of 30 metres, he turned towards right and walked 20 metres. He then turned left and moving a distance of 10 metres, turned to his left again and walked 40 metres. He now turns to the left and walks 5 metres. Finally he turns to his left. In which direction is he walking now?
- (A) North
 - (B) South
 - (C) East
 - (D) South-west

- Q.17 Amit 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
- Q.18 Kashish goes 30 metres North, then turns right and walks 40 metres, then again turns right and walks 20 metres, then again turns right and walks 40 metres. How many metres is he from his original position?
- (A) 0
 - (B) 10
 - (C) 20
 - (D) 40
- Q.19 I am facing South. I turn right and walk 20 m. Then I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20 m. Then I turn right again and walk 60 m. In which direction am I from the starting point?
- (A) North
 - (B) North-west
 - (C) East
 - (D) North-east
- Q.20 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?
- (A) 20 metres
 - (B) 30 metres
 - (C) 60 metres
 - (D) None of these

Q.21 Going 50 m to the South of her house; Radhika turns left and goes another 20 m. Then; turning to the North, she goes 30 m and then starts walking to her house. In which direction is she walking now?

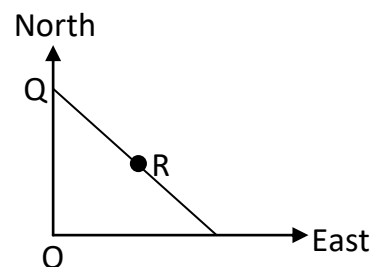
- (A) North-west
- (B) North
- (C) South-east
- (D) East

Q.22 The door of Aditya'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, Aditya is in which direction from the starting point?

- (A) South-east
- (B) North-east
- (C) South-west
- (D) North-west

Q.23 In the given figure, P is 300 km eastward of O and Q is 400 km north of O. R is exactly in the middle of Q and P. The distance between Q and R is

- (A) 250 km
- (B) $250\sqrt{2}$ km
- (C) 300 km
- (D) 350 km



Q.24 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
- (B) South and East
- (C) North and East
- (D) North and West

Directions (Q. 25 to 27): Study the information given below carefully and answer the questions that follow:

A, B, C, D, E, F, G, H and I are nine houses. C is 2 km east of B. A is 1 km north of B and H is 2 km south of A. G is 1 km west of H while D is 3 km east of G and F is 2 km north of G. I is situated just in middle of B and C while E is just in middle of H and D.

Q.25 Distance between E and G is.

- (A) 1 km
- (B) 1.5 km
- (C) 2 km
- (D) 5 km

Q.26 Distance between E and I is

- (A) 1 km
- (B) 2 km
- (C) 3 km
- (D) 4 km

Q.27 Distance between A and F is

- (A) 1 km
- (B) 1.41 km
- (C) 2 km
- (D) 3 km

Directions (Q.28-29): Study the information given below carefully and answer the questions' that follow:

On a playing ground, Dinesh, Kunal, Nitin, Atul and Prashant are standing as described below facing the North.

- (i) Kunal is 40 metres to the right of Atul..
- (ii) Dinesh is 60 metres to the south of Kunal
- (iii) Nitin is 25 metres to the west of Atul.
- (iv) Prashant is 90 metres to the north of Dinesh.

- Q.28 Who is to the north-east of the person who is to the left of Kunal?
- (A) Dinesh
 - (B) Nitin
 - (C) Atul
 - (D) None of these
- Q.29 If a boy walks from Nitin, meets Atul followed by Kunal, Dinesh and then Prashant, how many metres has he walked if he has 'travelled the straight' distance all through?
- (A) 155 metres
 - (B) 185 metres
 - (C) 215 metres
 - (D) 245 metres
- Q.30 After walking 6 km, I turned right and covered a distance of 2 km, then turned left and covered a distance of 10 km. In the end, I was moving towards the north. From which direction did I start my journey?
- (A) North
 - (B) South
 - (C) East
 - (D) West
- Q.31 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
 - (C) North-west
 - (D) South
- Q.32 If South-east becomes North, North-east becomes West and so on, what will West become?
- (A) North-east
 - (B) North-west
 - (C) South-east
 - (D) South-west

- Q.33 A rat runs 20' towards East and turns to right, runs. 10' and turns to right, runs 9' and again turns to left, runs 5' and then turns to left, runs 12' and finally turns to left and runs 6'. Now, which direction is the rat facing?
- (A) East
 - (B) West
 - (C) North
 - (D) South
- Q.34 The time on the watch is quarter to three. If the minute hand point to North-East, in which direction does the hour hand point?
- (A) South - West
 - (B) South - East
 - (C) North - West
 - (D) North - East
- Q.35 After walking 6 kms, I turned right and covered a distance of 2 kms, then turned left and covered a distance of 10 kms. In the end, I was moving towards the North. Form which direction did I start my journey?
- (A) North
 - (B) South
 - (C) East
 - (D) West
- Q.36 A man starts from a point 'X' and walks 3 km southwards, then he turns left and walks 6 km. In which direction is he from the starting point?
- (A) South-West
 - (B) South-East
 - (C) West
 - (D) South.
- Q.37 I am facing east. I turn 100° in clockwise direction and then 145° in the anti-clockwise direction. Which direction am I facing now?
- (A) East
 - (B) North-east

- (C) North
- (D) South-west

Q.38 You go north, turn right, then right again and then go to the left. In which direction are you now?

- (A) North
- (B) South
- (C) East
- (D) West

Q.39 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 traveller 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

Q.40 A watch reads 4.30. If the minute hand points East, in what direction will the hour hand point?

- (A) North
- (B) North-west
- (C) South-east
- (D) North-east

Q.41 A taxi driver commenced his journey from a point and drive 10 km towards North and turned to his left and drive another 5 km. After waiting to meet one of his friends, he turned to his right and continued to drive another 10 km. He has covered a distance of 25 km so far but in which direction is he now heading?

- (A) North
- (B) East
- (C) West
- (D) South

- Q.42 One day, Ravi left home and cycled 10 km southwards, turned right and cycled 5 km and turned right and cycled 10 km and turned left and cycled 10 km. How many kilometers will he have to cycle to reach his home straight?
- (A) 10 km
 - (B) 15 km
 - (C) 20 km
 - (D) 25 km
- Q.43 While facing East, Rohit turns to his left and walks 10 meters, then he turns left and walks 10 meters. Now he turns 45° towards his right and goes straight to cover 25 metres. In which direction is he from his starting point?
- (A) North-East
 - (B) North-West
 - (C) South-West
 - (D) South-East
- Q.44 I am facing East. Turning to the right I go 30 m, then turning to the left I go 30 m and then turning to the right I go 60 m and then again I go 60 m to the left. In which direction am I from my original position?
- (A) South - East
 - (B) West
 - (C) North
 - (D) South - West
- Q.45 Gopal starts from his house towards west. After walking a distance of 30 m, he turned towards right and walked 20 m. He then turned left and moving a distance of 10 m, turned to his left again and walked 40 m. He now turns to the left and walks 5 m. Finally he turns to his left. In which direction is he walking now?
- (A) North
 - (B) South
 - (C) East
 - (D) South-West