

DIRECTION SENCE TEST

In this test, the questions consist of a sort of direction puzzle. A successive follow-up of directions is formulated and the candidate is required to ascertain the final direction or the distance between the two points. The test is meant to judge the candidate's ability to trace and follow correctly and sense the direction correctly.

Ex.1. A man is facing west. He turn 45° in the clock wise and then another 180° in the same direction and then 270° in the anti-clockwise direction. Which direction is he facing now?

- a) South b) North-west c) West d) **South-west**

Ex.2. If you are facing north-east and move 10m forward, turn left and move 7.5m, then you are?

- a) North of your initial position
b) south of your initial position
c) East of your initial position
d) **12.5 from your initial position**

Ex.3. One day, Ravi left home and cycled 10km southwards, turned right and cycled 5km and turned right and cycled 10km and turn left and cycled 10km. how many km will he have to cycle to reach his home straight?

- a) 10 km b) **15 km** c) 20 km d) south-west

Ex.4. A child is looking for his father. He went 90 metres in the east before turning to his right. He went 20m before turning to his right again to look for his father at his uncle's place 30m from his point. His father was not there. From there, he went 100m to his north before meeting his father in a street. How far did the son meet his father from the starting point?

- a) 80m b) **100m** c) 140m d) 260m

Ex.4. kailash faces towards north. Turning to his right, he walks 25m, He then turn to his left and walk 30m. Next, he moves to his right. He then turns to his right again walks 55m. Finally, he turn to the right and moves 40m. In which direction is he now from his starting point?

- a) South b) North-west
c) **South-east** d) south-west

Ex.5. Deepa moved a distance of 75m towards the north. She then turn to the left and walking for about 25m, turning left again and walked 80m. Finally, she turn to the right at an angle of 45° . In which direction was she moving finally?

- a) South b) South-east c) West d) **South-west**

Ex.7. Kunal walks 10km towards north. From there he walks 6km towards south. Then, he walks 3km towards east. How far and in which direction is he with reference to his starting point/

- a) 5km West b) 7km East
c) 7km West d) **5km North-east**

Ex.8. Johnson left for his office in his car. He drove 15km towards north and then 10km towards west. He then turned to the south and covered 5km. Further, he turned to the east and moved 8km. Finally, he turned right and moved 10km. How far and in which direction is he from his starting point?

- a) **2km West** b) 5km East
c) 6km South d) 3km North

TYPE-1

Q1. A man is facing south. He turn 135° in the anti-clockwise direction and then 180° in the clockwise direction. Which direction is he facing now?

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

Q2. A man is facing north-west. He turn 90° in clockwise direction, and then 135° in the anti-clockwise direction. Which direction he is facing?

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

Q3. A man is facing towards west and turn through 45° clockwise, again 180° clockwise and then turns through 270° anti clockwise. Which direction is he facing now?

- a) South b) North-west c) West d) **South-west**

Q4. 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

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Q5. You go North, turn right, then right again and then go to the left. In which direction are you now?
a) South b) North c) West d) **East**

TYPE-2

Q6. Radhika started from a point. She walked 3km to the north, then turn east and walked 4km, then turn west walked 2km and then turned west walked 3km and stopped. In which direction Radhika from his starting point?
a) South b) North c) West d) East

Q7. After walking 200m, I turned right and covered a distance of 100m, then turned left covered a distance of 300m. In the end I am facing towards north. From which direction did I start my journey?
a) South b) North c) West d) East

Q8. Of the 5 towns A, B, C, D and E situated close to each other. A is to the west of B, C is to the south of A, E is to the north of B and D is to the east of E. Then C is in which direction with respect to D?
a) North-east b) North-west
c) South-east d) South-west

Q9. Ramesh walked 7km east and turned to his left walked 4km. He then turned to his right and walked 5km. Finally, he again turned to his right and walked 4km. In which direction is he now, from his starting point?
a) South b) North c) West d) East

Q10. Rajan started from his house and went 2km east, then he turned right and went 3km, again turned right and went 3km, again he turned right and covered 1km and finally after turning right and going 1km he reached point 'K'. In which direction is he now, from his starting point?
a) South b) North c) West d) East

TYPE-3

Q11. A man starts walking from a point and walks 12km towards north. He turns 90° left and walks a distance and stopped. If the distance between initial point and final position is 13km, how much distance he travelled after turning from the North?
a) 1km b) 5km c) 7km d) 2km

Q12. A man drives his car 50km towards east ward direction. He turned right went for 30km, then he turned west and drive for 10km. How far is he from the starting point?
a) 50km b) 60km c) 100km d) 20km

Q13. Radhika starts from a point and walks 1km east and then turns left and walks 2km and turns right and walks 2km again. She starts towards a point 2km towards her right, from where again she walks 1km left. How far is she from the starting point?
a) 3km b) 4km c) 5km d) 2km

Q14. Jyoshna travels 8km to the south. Then she turns to the right and walks 4km. then again then she turns to her right and moves 8km forward. How many km away is she from the starting point?
a) 7km b) 6km c) 4km d) 8km

(Questions 14 to 16) Study the information given bellow carefully and answer the questions that follow.

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

Q16. Distance between E and G is
a) 1km b) 1.5km c) 2km d) 5km

Q17. Distance between E and I is
a) 1km b) 2km c) 3km d) 4km

Q18. Distance between A and F is
a) 1km b) 1.41km c) 2km d) 3km

TYPE-4

Q19. At 12 : 30 the hour hand of a clock faces North and the minute hand faces south. At 2 : 45 the minutes hand will be in which direction?
a) East b) North-west c) West d) South-east

Q20. If the clock read 6 : 20 and if the minute hand points North-East, in which direction will the hour hand points?
a) East b) North-west c) West d) South-east

Q21. A watch reads 4 : 30. If the minutes hand points East, in what direction will the hour hand points?

a) North-East b) North-west c) West d) South-east

Q22. It is 3 o'clock in a watch. If the minute hand points towards the North-east, then the hour hand will point towards the

- a) South b) North-west
c) south-West d) South-east

Q23. A clock is placed that at 12 noon its minute hand points towards north-east. In which direction does its hour hand point at 1:30 pm.

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

Q24. If the above clock is turned through an angle of 135° in an anti-clockwise direction will its minute hand point at 8:45 pm?

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

TYPE-5

Q25. One morning after sunrise, Gopal was standing facing a pole. The shadow of the pole fell exactly to his right. Which direction was he facing?

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

Q26. One morning after sunrise, Reeta and Kavita were talking to each other face to face at Tilak square. If the Kavita's shadow was exactly to the right of Reeta, which direction Kavita's was facing?

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

Q27. One morning after sunrise, Vikram and Shailesh were standing in a lawn with their backs towards each other. Viram's shadow fell exactly towards left hand side. Which direction was Shailesh facing?

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

Q28. One evening before sunset two friends Sumith and Mohit were talking to each other face to face. If Mohit's shadow was exactly towards left hand side. Which direction was Shailesh facing?

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

Q29. Anuj started walking position is back towards the sun. After some time, he turned left, then turned right and then towards the left again. In which direction is he going now?

- a) North or South b) North or west
c) East or West d) South or west

Directions (Questions 29 to 31): Read the following information to answer the given questions.

Seven children A,B,C,D,E,F and G are standing in a line. G is to the right of D and to the left of B. A is on the right of C. A and D have one child between them. E and B have two children between them. D and F have two children between them.

Q30. Who is on the extreme end?

- a) B b) E c) F d) G

Q31. Who is extreme in the middle?

- a) A b) C c) D d) E

Q32. Who is on the extreme left?

- a) A b) B c) C d) D

Directions (Questions 32 to 35):

Six friends A, B, C, D, E and F are sitting in a row facing towards North. C is sitting between A and E. D is not at the end. B is sitting immediate right to E. F is not at the right end.

Q33. How many persons are there to the right of D?

- a) 1 b) 2 c) 3 d) 4

Q34. Which of the following pairs is sitting to one side of D?

- a) FB b) FC c) FE d) None

Q35. Who is the immediate left of C?

- a) A b) E c) Either E or A d) None

Q36. Who is at the right end?

- a) A b) B c) E d) None

Directions (Questions 36 to 40):

(i) A, B, C, D, E, F and G are sitting on a wall and all of them are facing east

(ii) C is on the immediate right of D

(iii) B is at the extreme end and has E as his neighbour.

(iv) G is between which E and F.

(v) D is sitting third from the south end.

Q36. Who is sitting to the right of E?

- a) A b) C c) D d) None

Q37. Which of the following pairs of people are sitting at the extreme ends?

- a) AB b) AE c) CB d) FB

Q38. Name the person who should change place with C such that he gets the third place from the north end?

- a) E b) F c) G d) D

Q39. Immediate between which of the following pairs of people is d sitting?

- a) AC b) AF c) CE d) CF

Q40. Which of the conditions (i) to (v) given above is not required to find out the place in which A is sitting?

- a) (i) b) (ii) c) All are required d) (iii)

Directions (Questions 41 to 45):

- (i) A, B, C, D, E, F and G are sitting in a circle facing at the centre and playing cards.
(ii) G is not between f and C.
(iii) E is neighbour of A and D.
(iv) F is the immediate right of A.

Q41. Which of the following does not have the pair of persons sitting adjacent to each other?

- a) BA b) CB c) DE d) GD

Q42. Which of the following pairs has the second person sitting immediately to the right of the first?

- a) AB b) CB c) EA d) DG

Q43. What is the position of F?

- a) Third to the left of C b) 2nd to the right of C
c) To the immediate left of A d) None of these

Q44. Who are the neighbour of B?

- a) A & F b) C & D c) F & C d) None

Q45. Which of the following persons are sitting adjacent to each other from left to right in the order as shown?

- a) BGC b) FBB c) CDG d) EDG

Directions (Questions 46 to 50):

- (i) A,B,C,D,E,F and G are sitting around a circular table.
(ii) D is not neighbour of C or E.
A is neighbour of B and C
(iii) A is neighbour of B and C.
(iv) G, who is second to the left of D, is the neighbour of E and F.

Q46. Which of the following is correct?

- (a) B is between A and D. (b) D is between E & F.
c) E is immediate right of G.
d) f is to the immediate left of G.

Q47. Which of the following has the pair with the second person sitting to the immediate right of the first person?

- a) BD b) GF c) EC d) AE

Q48. Which of the following will be D's position after E and D interchange their places?

- a) Neighbour of G & C.
b) To the immediate left of C
c) To the immediate left of F.
d) Neighbour of C and A

Q49. What is the position of C?

- a) 2nd to the left of B. b) 3rd to the right of F.
c) To the immediate left of A.
d) E is between G & C.

Q50. Which of the following has the second person sitting between the first and third person?

- a) DAB b) GCE c) BCA d) GFD

Directions (Questions 51 to 56):

Six persons A,B,C,D,E and F are sitting on the round in a hexagonal shape. All the sides of the hexagon so formed are of the same length. A is not adjacent to b or C; D is not adjacent to C or E; B and C are adjacent; F is the middle of D and C.

Q51. Which of the following is not a correct neighbour pair?

- a) A, F b) D, F c) B, E d) C, F

Q52. Who is at the same distance from D as E is from D?

- a) B b) C c) D d) F

Q53. Which of the following is in the right sequence?

- a) A,F,B b) F,A,E c) B,C,F d) D,A,B

Q54. If one neighbour of A is D, who is the other one?

- a) B b) C c) E d) F

Q55. Who is placed opposite to E?

- a) B b) C c) D d) F

Q1. Rahul, Murali, srinivas and Arul are sitting around a square table. Rahul is sitting to the left of Murali. Srinivas sitting to the right of Arul. Which of the following pairs are seated opposite to each other? **GATE-2017**

- a) Rahul & Murali b) Srinivas & Arul
c) Srinivas & Murali d) srinivas & Rahul

Q2. There are five buildings called V, W, X, Y and Z in a row (not necessarily in that order). V is to the west of W. Z is to the east of X and the west of V. W is the west of Y. Which is the building in the Middle? **GATE-2017**

- a) V b) W c) X d) Y

Q3. S, T, U, V, W, X, Y and Z are sitting around a circular table. T's neighbours are Y and V. z is seated third to the left of T and second to the right of S. U's neighbours are S and Y. T and W are not seated opposite to each other. Who is third to the left of V? **GATE-2017**

- a) X b) W c) U d) T

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