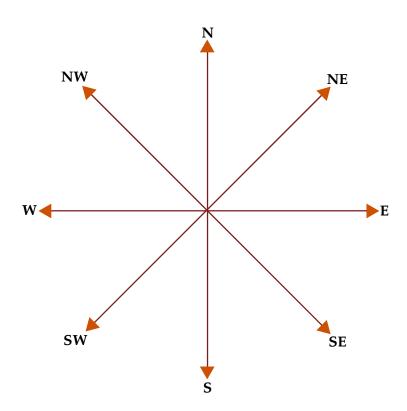


# DIRECTION SENSE TEST

### **INTRODUCTION**

After reading this chapter, students will be able to understand:

- In this test, the questions consist of a sort of direction puzzle. A successive follow-up of direction is formulated and the student is required to ascertain the final direction. The test is meant to judge the ability to trace and follow correctly and sense the direction correctly.
- ◆ The adjoining figure shows the four main directions (North N, South S, East E, and West W) and four cardinal directions (North East (NE), North West (NW), South East (SE), South West (SW) to help the students know the directions.



#### Always Remember:

Direction mentioned (given)	Direction indicated
Left + left	Down
Left + right	Up
Right + left	Up
Right + right	Down
Up + left	Left
Up + right	Right
Down + left	Right
Down + right	Left

#### **Examples:**

1. A man starts from a point and walks 2 km towards North, turns towards his right and walks 2 km, turns right again and walks. What is the direction now be is facing?

(a) South

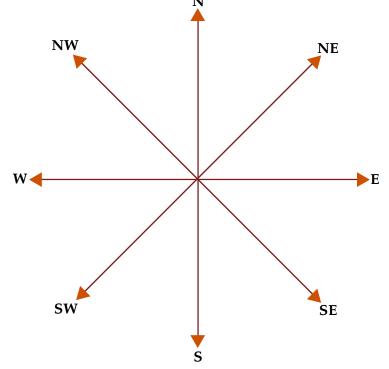
(b) South-East

(c) North

(d) West

**Explanation:** (a) The diagram given below helpful solving the questions and Direction Test.

South.



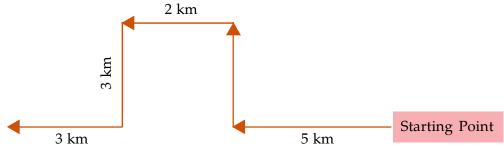
- 2. Ramu walks 5 kms starting from his house towards west then turns right and walks 3 km. Thereafter she takes left turn and walks 2 km. Further, he turn left and walks 3 km. Finally, he turns right and walks 3 kms. In what direction he is now from his house?
  - (a) West

(b) North

(c) South

(d) East

**Explanation** 



It's clear from the diagram Ramu is to the West of his house.

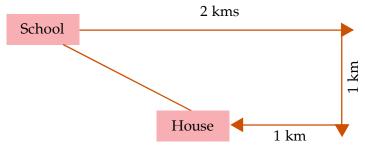
- 3. Gopal started walking 2 kms straight from his school. Then he turned right and walked 1 km. Again he turned right and walked 1 km to reach his house. If his house is sourtheast from his school, then in which direction did Gopal start walking from the school?
  - (a) East

(b) West

(c) South

(d) North

**Explanation** 



From the diagram that Gopal Started walking towards East from the school.

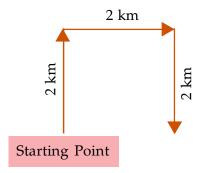
- 4. A man starts from a point, walks 2 kms towards north, turns towards his right and walks 2 kms, turns right again and walks. What is the direction now he is facing?
  - (a) South

(b) East

(c) North

(d) West

#### **Explanation:**



Based on the diagram the person facing towards south.

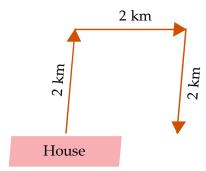
- 5. Janki started from her house and walked 2 km towards North. Then she took a right turn and covered one kilometre. Then she took again a right turn and walked for 2 kms. In what direction is she going?
  - (a) North

(b) East

(c) South

(d) West

#### **Explanation:**



Based on the diagram; it's clear that Janki is going towards South.

# **EXERCISE** – 10(A)

(Note: Questions are taken from previous exam questions papers of Competitive exams like SSC, RRB, MAT, UPSC etc.)

Choose the appropriate answer (a) or	(b)	or (	(c)	or	(d	)
--------------------------------------	-----	------	-----	----	----	---

Cho	ose the appropriate an	swer (a) or (b) or (c)	or (d)		
1.	. Mohan starts from point A and walks 1 km towards south, turns left and walks 1km. Then he turns left again and walks 1 km. Now he is facing.				
	(a) East	(b) West	(c) North	(d) South-West	
2.	Suresh starts from a point, walks 2 miles towards south, turns right and walks $1^{1}/_{2}$ miles, turns left and walks $\frac{1}{2}$ miles and then he turns back. What is the direction he is facing now?				
	(a) East	(b) West	(c) South	(d) North	
3.	A man starts from a poturns right and walks for 30 minutes. He get right and walks one man	for 3 miles <mark>and agair</mark> is up and walks stra	n turns right and walks ight 2 miles in the sar	4 miles and takes rest	
	(a) North	(b) South	(c) South-East	(d) West	
4.	Arun started from point A and walked 10 kms East to point B, then turned to North and walked 3 kms to point C and then turned West and walked 12 kms to point D, then again turned South and walked 3 kms to point E. In which direction is he from his start point?				
	(a) East	(b) South	(c) West	(d) North	
5.	A starts from a point and walks 5 kms north, then turns left and walks 3 kms. Then again turns left and walks 5 km. Point out the direction in which he is going now.				
	(a) North	(b) South	(c) East	(d) West	
6.	A rat run 20 kms towards East and turns to right runs 10 kms and turns to right runs 9 kms and again turns to left runs 5 kms and then turns to left runs 12 kms and finally turns to left and runs 6 kms. Now what direction is the rat facing?				
	(a) East	(b) North	(c) West	(d) South	
7.	A driver left his village and drove North for 20 kms, after which he stopped for breakfast. Then he turned left and drove another 30 kms, when he stopped for lunch. After some rest, he again turned left and drove 20 kms before stopping for evening tea. Once more he turned left and drove 30 kms to reach the town where he had supper. After evening tea in which direction did he drive?				
	(a) West	(b) East	(c) North	(d) South	
8.	A man is facing East, then he turns left and goes 10 m, then turns right and goes 5 meters then goes 5 meters to the South and from there 5 meters to West. In which direction is be from his original place?				
	(a) East	(b) West	(c) North	(d) South	

9.	From her home Prerna wishes to go to school. From home she goes towards North and then turns left and then turns right, and finally she turns left and reaches school. In which direction her school is situated with respect to her home?			
	(a) North-East	(b) North-West	(c) South-East	(d) South-West
10.		n turns left and wal	ks 20 feet. He turns le	t, turns right again and eft again walks 20 feet. ection is the child from
	(a) North	(b) South	(c) West	(d) East
11.		in N <mark>orth-East, then</mark> ight and moves 20 k	he turned to his right ms and again he turne	and moves 20 kms and and moves 20 kms and d to his left and moves
	(a) South-East	(b) North-East	(c) South-West	(d) North-West
12.	another place and that	s located 2 kms aw is located 2 kms aw ocated 2 kms away i	ay in the south-west of ay in the north-west di	on from the capital P. R direction from K. M is rection from R. T is yet etion from M. In which
	(a) South-West	(b) North-West	(c) West	(d) North
13.	direction. Gopal is Jose	hbour and his house eph's neighbour and al's neighbour and	e is located 200 meter a d he stays 200 meters his house is located 2	away in the south-west away in the south-east 00 meters away in the
	(a) South-East	(b) South-West	(c) North	(d) North-East
14.	A tourist drives 10 km He then drives toward Afterwards he turns to point?	s east another 4 km	and then turns to his	
	(a) North	(b) East	(c) West	(d) South
15.	A man started walking Towards which directi			and finally turned left.
	(a) North	(b) South	(c) West	(4) East
16.	One evening, Raja star	ted to walk toward	the Sun. After walking	g a while, he turned to

	direction is he facing?				
	(a) South	(b) East	(c) West	(d) North	
17.	. Five boys A, B, C, D and E are sitting in a park in a circle. A is facing South-West, D is facing South-East, B and E are right opposite A and D respectively and C is equidistant between D and B. Which direction is C facing?				
	(a) West	(b) South	(c) North	(4) East	
18.	If a man on a moped stakens and turn again to t				
	(a) North	(b) West	(c) East	(d) South	
19.	A man starts from a p turns left and walks 7 l 12 kms. In which direct	km turns a <mark>nd walks</mark>	20 kms towards South,		
	(a) North	(b) South	(c) West	(d) East	
20.	Daily in the morning the shadow of Gol Gumbaz falls on Bara Kaman and in the evening the shadow of Bara Kaman falls on Gol Gumbaz exactly. So in which direction is Gol Gumbaz to Bara Kaman?				
	(a) Eastern side	(b) Western side	(c) Northern side	(d) Southern side	
21. Ashok went 8 kms South and turned West and walked 3 kms again he turned North a walked 5 kms. He took a final turn to East and walked 3 kms. In which direction washok from the starting point?					
	(a) East	(b) North	(c) West	(d) South	
22.	If X stands on his head point ?	with his face towar	ds south, to which dire	ction will his left hand	
	(a) East	(b) West	(c) North	(d) South	
23.	I drove East for 5 miles miles and again turned			•	
	(a) South	(b) North	(c) West	(d) North-west	
24.	If A stands on his head point?	with his face toward	ds north. In which dire	ction will his left hand	
	(a) North-East	(b) North	(c) East	(d) North-West	
25.	A car travelling from so 9 kms and again turns			0	
	(a) South	(b) North	(c) West	(d) East	

26.	A taxi driver commend turned to his left and dr to his right and continu far, but in which direct	rove another 5 kms. ed to drive another	After waiting to meet a 10 km. He has covered	friend here, he turned	
	(a) South	(b) North	(c) East	(d) South-east	
27.	A walks 3 kms northward and then he turns left and goes 2 kms. He again turns left and goes 3 kms. He turns right and walks straight. In which direction is he walking now?				
	(a) East	(b) West	(c) North	(d) South	
28.	Áwalks southeards, the from the starting point		left and then right. In	which direction is he	
	(a) South	(b) East	(c) West	(d) North	
29.	A man starts from a poturns right again and v				
	(a) North	(b) East	(c) West	(d) South	
30.	30. A boy starts walking walking for 20 minutes	•	8	S	
	(a) West	(b) North	(c) South	(d) East	
31.	I stand with my right hand extended side-ways towards South. Towards which direction will his back be ?				
	(a) North	(b) West	(c) East	(d) South	
32.	If a person moves 4 km right and moves 6 kms		<u> </u>		
	(a) East	(b) West	(c) North	(d) South	
33.	If Mohan sees the risin station from his house,				
	(a) South	(b) North	(c) East	(d) West	
34.	Laxman went 15 kms to south and covered 5 km he is from his house?				
	(a) East	(b) West	(c) North	(d) South	
35.	A man starts from a p again turns to his right				

	which direction would he be now from into starting point.				
	(a) North	(b) South	(c) East	(d) West	
36.	I started walking down a road in the morning facing the Sun. After walking for sometime I turned to my left. Then I turned to my right. In which direction was I going then?				
	(a) East	(b) West	(c) North	(d) South	
37.	Lakshmi walked 2 kms walk another one kilon direction is she facing to	netre and finally sh			
	(a) West	(b) North	(c) South	(d) North	
38.	You are going straight, In which direction wou			n right again, then left.	
	(a) East	(b) West	(c) South	(d) North	
39.	If Ahmed travels towar distances in each direct now?				
	(a) East	(b) South	(c) North	(d) West	
40.	Raja comes towards No direction is Raja now?	orth, turn right, then	right again and then §	go to the left. In which	
	(a) South	(b) East	(c) West	(d) North	
41.	. Roopa starts from a point and walks 15 metres towards west, turns left and walks 12 metres, turns right again and walks. What is the direction she is now facing?				
	(a) South	(b) West	(c) East	(d) North	
42.	. A man starts his journey facing the sun early morning. He then turns right and walks 2 kms. He then walks 3 kms after turning right again. Which is the direction he is facing now?				
	(a) North-East	(b) North	(c) West	(d) South	
43.	. Roy walks 2 kms to East, then turns North-West and walks 3 kms. Then he turns South and walks 5 kms. Then again he turns West and walks 2 kms. Finally he turns North and walks 6 kms. In which direction, is he from the starting point?				
	(a) South-West	(b) South-East	(c) North-West	(d) North-East	
44.	4. Seeta starts from a point, walks 2 kms towards north, turns towards her right and walks 2 kms, turns right again and walks. What is the direction she is facing now?			<u>e</u>	
	(a) East	(b) West	(c) South	(d) North	

45.	Shyam was facing East walked 3 kms. Again he Which direction was h	ne turned to his righ	t and walked 4 km. Af	ter turning to his right ter this he turned back.
	(a) East	(b) West	(c) North	(d) South
46. Raju is standing facing north. He goes 30 metres ahead and turns left and g metres. Now he turns right and goes for 50 metres and finally turns to his walks. In which direction is he heading?				<u> </u>
	(a) North	(b) East	(c) South	(d) West
47.	Sanmitra starts from hi walks 2 kms and then t then again turns right	turns right and walk	s 5 kms, then turns righ	nt and walks 2 kms and
	(a) North	(b) South	(c) West	(d) East
48.		he stays 100 metres s 100 metres away to	s away towards southv	rds southeast. Venu is vest. Khader is Venu's en where is the position
	(a) South-East	(b) South-West	(c) North-West	(d) East
49. Ramesh walked 3 kms, towards West and turned to his left and walked 2 kms. He, turned to his right and walked 3 kms. Finally, he turned to his right again and wa another 2 kms. In which direction is Ramesh from his starting point now?			ight again and walked	
	(a) East	(b) West	(c) North	(d) South
50.	Deepa starts walking n some distance, she turr again. In which directi	<mark>ns to h</mark> is left and wal	ks a distance of 1 km. S	ner right. After walking the then urns to her left
	(a) North	(b) West	(c) East	(d) South
51.	Raman starts walking left later again he turn			
	(a) East	(b) West	(c) South	(d) North
52.	Kamal starts walking t turns towards right an In which direction Kar	d walks. After some		
	(a) East	(b) South	(c) North	(d) South-East
53.	X walks southwards as he moving now?	nd then turns right,	then left and then right	t,. In which direction is
	(a) South	(b) North	(c) West	(d) South-West

- 54. A man started to walk East. After moving a distance, he turned to his right. After moving a distance, he turned to his right again. After moving a little he turned in the end to his left. In which direction was he going now.?
  - (a) North
- (b) South
- (c) East
- (d) West

## **ANSWERS: EXERCISE 10(A)**

- **1.** (c)
- **2.** (d)
- 3. (b)
- **4.** (c)
- **5.** (b)

- **6.** (b)
- 7. (b)
- **8.** (c)
- **9.** (b)
- **10.** (d)

- **11.** (a)
- **12.** (c)
- **13.** (a)
- **14.** (d)
- **15.** (a)

- **16.** (d)
- **17.** (d)
- **18.** (d)
- **19.** (b)
- **20.** (a)

- **21.** (d)
- **22.** (b)
- **23.** (a)
- **24.** (c)
- **25.** (a)

- **26.** (b)
- **27.** (b)
- **28.** (a)
- **29.** (b)
- **30.** (b)

- **31.** (b)
- **32.** (a)
- **33.** (c)
- **34.** (c)
- **35.** (a)

- **36.** (a)
- **37.** (c)
- **38.** (c)
- **39.** (a)
- **40.** (b)

- **41.** (b)
- **42.** (c)
- **43.** (c)
- **44.** (c)
- **45.** (a)

- 46. (b)51. (b)
- 47. (a)52. (c)
- 48. (b) 53. (c)
- **49.** (b)

**54.** (b)

**50.** (b)

# NOTES

-	
-	