

### DIRECTIONS:

Study the following information carefully and answer the questions that follow.

A country has the following types of traffic signals.

3 green lights = go at 60 kmph speed

2 green lights = go at 40 kmph speed

1 green light = go at 20 kmph speed

3 red lights = stop

2 red lights = turn left

1 red light = turn right

A person starts driving from a point in West direction and he encounters the following traffic signals:

Starting point – 1 green light;

After 15 minutes, 1st signal – 2 red & 2 green lights;

After 24 minutes, 2nd signal – 1 red & 3 green lights;

After 45 minutes, 3rd signal – 1 red & 2 green lights;

After 18 minutes, 4th signal – 3 red lights;

1) Find the total distance he covered up to the last signal.

- a) 75 km      b) 70 km      c) 76 km  
d) 78 km      e) 79 km

2) After passing the third signal if the person encounters fourth signal after half an hour, then what is his final position with respect to the starting point?

- a) 4 km to the north and 45 km to the west  
b) 4 km to the north and 50 km to the west  
c) 4 km to the south and 50 km to the east  
d) 55 km directly to the north-west  
e) None of these

3) If instead of starting in West direction, the man starts in South direction, then what is his position with respect to the starting point?

- a) 50 km to the south and 4 km to the east  
b) 50 km to the north and 4 km to the west  
c) 50 km to the south and 4 km to the west  
d) 54 km directly to the north-west

e) None of these

4) If after the first signal, 2nd signal: 2 red and 2 green lights, and 3rd signal: 1 red and 3 green lights, then what is the distance covered up to the last signal?

- a) 67 km      b) 68 km      c) 69 km  
d) 60 km      e) 65 km

5) If the person stops at 3rd signal, then what is his final position with respect to his starting position?

- a) 50.5 km to the south-west  
b) 52.5 km to the north-east  
c) 50 km to the north-west  
d) 52.5 km to the south-west  
e) 50.5 km to the south-east

6) Rimpny on the way to her school starts walking from her home towards south. After walking 15 meters she turns towards north. After walking 20 meters, she turns towards east and walks 10 meters. She then turns towards south and walks 5 meters. How far is she from her original position and in which direction?

- a) 10 meters, North-East  
b) 10 meters, East  
c) 10 meters, West  
d) 10 meters, South- East  
e) None of these

7) Starting from a point P, Sachin walked 20 metres towards South. He turned left and walked 30 metres. He then turned left and walked 20 metres. He again turned left and walked 40 metres and reached a point Q. How far and in which direction is the point Q from the point P?

- a) 10 metres West      b) 20 metres West  
c) 10 metres North      d) 10 metres East

8) Town D is 13 Km. towards the East of town A. A bus starts from town A travels 8 Km. towards West and takes a right turn. After taking the right turn, it travels 5 Km. and reaches town B. From town B the bus takes a right turn again, travels 21 Km. and stops. How far

and towards which direction must the travel to reach town D?

- 5 Km. towards South
- 13 Km. towards South
- 21 Km. towards South
- 5 Km. towards West
- None of these

9) A person starts walking in south direction and walks a distance of 7 meters. Now he took a left turn and walk 6m. Again he takes a left turn and walk 15m and reached a point P. Find the distance between starting point and P and in which direction is the person from the initial point.

- 10m, south west
- 10m, north east
- 10m, south east
- 10m North West
- None of these

10) A man walk 30 meters toward north direction, then turn to his left and walk 10 meter. Again he turn his left and walk 10 meter. How far is he from his initial point and in which direction?

- 10√5m, north-west
- 10√2m, south-west
- 10√5m, south-west
- 5√5m, north-west
- None of these

**DIRECTIONS:**

Bala walked 25km towards west, took a left turn and walked 15km. He again took a left turn and walked 30km. He then took a right turn and stopped.

11) Now he was facing which direction ?

- North
- South
- West
- East
- None of these

12) Instead of turning right at the end if he took left and walked 20km, what is the shortest distance to his starting point?

- 5√2km
- 7√2km
- 3√7km
- 2√5km
- None of these

**DIRECTIONS:**

Read the given information carefully and answer below Question.-

- There are 7 family members P, Q, R, S, T, U and V standing in ground in which there are 2 married couples.
- P is sister of Q who is maternal grandson of T.
- Maternal grandfather of Q is standing 3m to the right of Q who is facing north.
- The father of S has 2 maternal grandchildren.
- V is facing north.
- V is standing 4m to the south of maternal grandson of U.
- S is 2m to the right of V.
- P is 1m south of S and 1m west of U.
- R is sister-in-law of V and standing 9m to the north of her mother.
- V is father of P.
- U is a Female.

13) Maternal grand daughter is standing in which direction w.r.t his husband?

- south-west
- north-west
- south-east
- south
- None of these

14) What is direction and distance and relationship of S with respect to P?

- 1m north, Daughter
- 1m north, Mather – in law
- 1m north, Mother
- 1m south, Sister
- None of these

15) What is a minimum distance between V and His father – in – Law?

- 6m
- 4m

- c) 3m  
d) 2m  
e) None of these

16) Rahul walks a distance of 10 km towards south, then he turn to his left and walks 5 km. From here he took a right turn and walks 6 km and stops at a point A. Find the distance between the starting point and A and A is in which direction with respect to starting point.

- a) 17km south west  
b) 17km north west  
c) 17km, north east  
d) 17km south east  
e) None of these

17) Raghav starts walking in south direction and walks a distance of 7 meters. Now he takes a left turn and walk 6m. Again he takes a left turn and walk 15m and reached a point P. Find the distance between starting point and P and in which direction is the person from the initial point.

- a) 20m, south west  
b) 20m, north west  
c) 10m, south east  
d) 10m, north east  
e) None of these

18) Kishankant walks 10 km 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) 7km East  
b) 5km West  
c) 7km West  
d) 5km North-East

19) P walks 8m to the south ,then he turn to his left and walks 15m then he turn to his right and walk 12m again he turns to his right and walk 15m and turn right and stopped how far and in which direction from the starting point

- a) 20 west

- b) 20 east  
c) 10 north  
d) 20 south  
e) None of these

20) Starting from a point P, Sachin walked 20 metres towards South. He turned left and waket 30 metres. He then turned left and walked 20 metres. He again turned left and walked 40 metres and reached a point Q. How far and in which direction is the point Q from the point P ?

- a) 10 metres West  
b) 20 metres West  
c) 10 metres North  
d) 10 metres East

21) Suman walks 10km towards the South. Turning to the left, she walks 20km and then moves to her right. After moving a distance of 20km, she turns to the right and walks 20km. Finally, she turns to the right and moves a distance of 10km. How far and in which direction is she from the starting point?

- a) 10km South  
b) 20km North  
c) 10km North  
d) 20km South  
e) None of these

22) Of the six members of a panel sitting in a row, A is to the left of D, but on the right of E. C is on the right of X, but is on the left of B who is to the left of F. Which two members are sitting right in the middle ?

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

23) Eight friends A, B, C, D, E, F, G and H are sitting around a round table in the same order at equal distances. Their positions are in clockwise direction. If G, who is sitting in the North exchanges seat with C and



B exchanges seat with F. Now who is sitting to the right of F?

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

**DIRECTIONS :**

A is 20 m away from C in east direction. B is standing in south of A and is facing south direction and distance between A and B is 30m. Now to the right of B covering 32 m towards west, D is standing. D is eating burger standing on its position and facing north.

After eating burger D starts moving towards south east direction covering 13 m and reaches to the position of E.

24) What is the distance between D and C and C is in which direction with respect to D?

- a) 40.8m, north-west  
b) 32.3m, north-east  
c) 31.2m, north-east  
d) 29.4m, north-west  
e) Cannot be determined

25) In which direction C is with respect to B?

- a) North – West  
b) South  
c) South – West  
d) North – East  
e) None of these

**DIRECTIONS :**

In the following questions there are 6 check-posts A, B, C, D, E and F. Check-post F is 15 km to the North of D which is 25 km to the North-East of B. Check-post A is 5 km West of E and 15 km to the South-West of C. Check-posts B, A and E are in a straight line. The check-posts B, and E are 30 km apart from each other.

26) If a jeep moves from E to F via A, B, and D, how much distance will it have to cover ?

- a) 100 km  
b) 120 km  
c) 90 km

d) 70 km

27) Which check-post is the farthest to the South-West of D ?

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

**DIRECTIONS:**

Study the following information and answer the questions given:

- a) Sam walked 5m towards north from point A and reached point B.  
b) He took a right turn from point B and walked 7m and reached point C.  
c) He took a right turn from point and walked 10m to reach point D.  
d) He took another right turn from point D and walked 6m to reach point E.  
e) Sam took a right turn from point E and walked 5m to reach point F.

28) How far and in which direction is point F from point A?

- a) 1m towards west  
b) 1m towards east  
c) 1m towards north  
d) 1m towards south  
e) Point A coincides with point F

29) What was the total distance that Sam walked ?

- a) 31m  
b) 35m  
c) 32m  
d) 38m  
e) None of these

30) 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 South
- b) 20 metres East
- c) None of these
- d) 20 metres North