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1) Rohit walked 30 metres towards South, took a left turn and walked 50 metres, again he took a left and walked 30 metres. How far is he and in which direction from the starting point?

- a) 50m east b) 130m east
c) 80m south d) 50m west
e) None of these

2) Riya goes 30 km towards North from a fixed point, then after turning to her right she goes 15 km. After this she goes 30 km after turning to her right. How far and in what direction is she from her starting point?

- a) 25m east b) 20m east
c) 10m east d) 15m east
e) None of these

3) Five boys are standing in a row facing East. Deepak is to the left of Sameer, Tushar and Shailendra. Sameer, Tushar and Shailendra are to the left of Sushil. Shailendra is between Sameer and Tushar. If Tushar is fourth from the left, how far is Sameer from the right?

- a) Second b) First
c) Fourth d) Third
e) Fifth

4) The town of Paranda is located on Green Lake. The town of Akram is west of Paranda. Tokhada is east of Akram but west of Paranda. Kakran is east of Bopri but west of Tokhada and Akram. If they are all in the same district, which town is the farthest west?

- a) Kakran b) Paranda
c) Bopri d) Akram

5) B is 15 km east of point A. Point C is 15 km south of B and 7 km east of D is point C. 20 km north of point D is point E, and 13 km east of point G is point E. What is shortest distance between A and G, and also point G is which direction respect of point A?

- a) $5\sqrt{5}$ km, south-east
b) $4\sqrt{2}$ km, south-west
c) $2\sqrt{5}$ km, north-east

- d) $5\sqrt{2}$ km, north-west
e) None of these

DIRECTIONS:

A country has the following types of traffic signals.

- i) 3 red lights = stop;
ii) 2 red lights = turn left;
iii) 3 green lights = go at 100 kmph speed;
iv) 1 red light = turn right;
v) 1 green light = go at 20 kmph speed
vi) 2 green lights = go at 40 kmph speed

A motorist starts at a point on a road and follows all traffic signals literally. His car is heading towards the north. He encounters the following signals (the time mentioned in each case below is applicable after crossing the previous signal).

- A) Starting Point – 1 green light;
B) After half an hour, 1st signal – 2 red & 2 green lights;
C) After 15 minutes, 2nd signal – 1 red light;
D) After half an hour, 3rd signal – 1 red & 3 green lights;
E) After 24 minutes, 4th signal – 2 red & 2 green lights;
F) After 15 minutes, 5th signal – 3 red lights

6) After the starting point if the 1st signal were 1 red and 2 green lights, what would be the final position of the motorist

- a) Directly 30 km. to the east.
b) 30 km. to the west and 20 km. to the south.
c) 50 km. to the east and 40 km. to the north.
d) 30 km. to the west and 40 km. to the north.

7) What is the position radial distance of the motorist when he reaches the last signal:

- a) 45 km. away to the northwest of the Starting Point.
b) 45 km. directly north of Starting Point.





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- c) 50 km. away to the northeast of the Starting Point.
d) 30 km. directly to the east of the Starting Point.

8) If at the starting point, the car was heading towards south, what would be the final position motorist:

- a) 50 km. to the west and 20 km. to the north.
b) 30 km. to the east and 40 km. to the south.
c) 30 km. to the west and 40 km. to the south.
d) 50 km. to the east and 40 km. to the south.

9) The total distance traveled by the motorist from the starting point till the last signal is:

- a) None of these. b) 90 km.
c) 120 km. d) 100 km.

DIRECTIONS:

Read the given information carefully and answer below Question.-

There are 5 friends A, B, C, D and E standing randomly.
B is to the northeast of E.
D is 2km to the east of E, who is 6km to the west of A.
C is to the northwest of D and in the line of EB.
D is 4km the south of B.

10) In which direction is C with respect to A ?

- a) Northwest
b) Northeast
c) South west
d) South east
e) None of these

11) In which direction is A with respect to B ?

- a) Northeast
b) Northwest
c) Southeast
d) Southwest
e) None of these

12) What is the distance between D and A ?

- a) 3km b) 6km
c) 5km d) 4km

e) None of these

13) What is the shortest distance between B and A?

- a) 3V5km b) 6V2km c) 5V7km
d) 4V2km e) None of these

14) What is the shortest distance between B and E?

- a) 2V5km b) 7V2km c) 2V7km
d) 5V2km e) None of these

DIRECTIONS:

Each Question is based on information given below: -

Point 'D' is in west direction from 'A' at the distance of 14m.

Point 'B' is in south direction from 'D' also a distance of 4m.

Point 'F' is situated 9 m. in south from 'D'.

Point E is situated 7m in east from 'B'.

Point 'C' is in north from 'E' at the distance of 4m.

Point 'G' is in south from 'A' at the distance of 4 m.

15) Any person from point 'F' starts walking towards north at the distance of 5 m then turns his rightwards then to whom he will reach first out of the following?

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

16) Which is in the straight direction out of the following?

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

17) In which direction is 'A' from 'C'?

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

DIRECTIONS:

In a motor race competition certain rules are given for the participants to follow. To control direction and speed of the motorists, guards are placed at different signal points with caps of different colour.





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Guard with red cap indicates the direction of participant's movement and guards with green cap indicates the speed of the participant's movement. At any signal point presence of three guards, two guards and one guard with red cap means the participant must stop, turn left and turn right respectively. Signal points with three guards, two guards and one guard with green cap means the participants must move at 10, 4 and 2 km/hour respectively.

Kartikay, one of the participants, starts at a point where his car was heading towards north and he encountered signals as follows: at start point one guard with green cap; after half an hour two guards with red cap and two guards with green cap at first signal; after fifteen minutes one guard with red cap at second signal; after half an hour one guard with red cap and three guards with green caps at third signal; after 24 minutes two guard with red cap and two guards with green cap at fourth signal; after 15 minutes three guard with red cap at fifth signal. (Time mentioned in each case is applicable after crossing the previous signal).

18) Mr Raghav went in his car to meet his friends John. He Drove 30 kms towards north and then 40 kms towards west. He then turned to south and covered 8 kms. Further he turned to east and moved 26 kms. Finally he turned right and drove 10 kms and then turned left to travel 19 kms. How far and in which direction is he from the starting point?

- a) North East of starting point, 5 kms
- b) East of starting point, 5 kms
- c) North East of starting point, 13 kms
- d) East of starting point, 13 kms

19) If at the starting point Kartikay was heading towards south what would be his final position?

- a) 5.0 km. to the west and 2.0 km. to the north
- b) 3.0 km. to the east and 4.0 km. to the south
- c) 3.0 km. to the west and 4.0 km. to the south
- d) 5.0 km. to the east and 4.0 km. to the south

20) Total distance travelled by Kartikay from starting point till last signal is:

- a) 12 km.
- b) 9 km.
- c) 8 km.
- d) 10 km.

21) What would be the final position of Kartikay if one guard with red cap and two guards with green cap were placed at the first signal point after the starting point?

- a) 2.0 km. to the west and 4.0 km. to the south
- b) 3.0 km. to the west and 2.0 km. to the south
- c) 5.0 km. to the east and 4.0 km. to the north
- d) 3.0 km. to the west and 4.0 km. to the north

22) A lady runs 12 km towards north then 6 km towards south and then 8 km east. How far is she from her starting point and in which direction?

- a) 10 km North-East
- b) 5 km North-East
- c) 10 km West
- d) 5 km East

23) 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.

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

24) Rina goes 30 km towards North from a fixed point, then after turning to her right she goes 15 km. After this she goes 30 km after turning to her right. How far and in what direction is she from her starting point?

- a) 25m east
- b) 20m east
- c) 10m east
- d) 15m east
- e) None of these





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DIRECTIONS:

Kiran walks 20 m north, 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. he again turns left and walks 15 m.

25) Which direction is Kiran facing now ?

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

26) How far Kiran is from his starting point ?

- a) 45 m b) 15 m
c) 30 m d) 25 m

DIRECTIONS:

There are 6 check-posts A, B, C, D, E and F.

Check-post F is 15km 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 post B, A and E are in a straight line and A is to the east of B.

The check post B and E are 30 km apart from each other.

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

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

28) 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) 70 km
c) 90 km d) 120 km

DIRECTIONS:

Study the following information to answer the given questions:

Point P is 9m towards the East of Point Q.

Point R is 5m towards the South of point P.

Point S is 3m towards the West of point R.

Point T is 5m towards the north of point S.

Point V is 7m towards the South of Point S.

29) If a person walks in a straight line for 8m towards west from point R, which of the following points would he cross first?

- a) S b) V c) T
d) Q e) Cannot be determined

30) Which of the following points are in a straight line?

- a) V, T, R b) P, R, V c) P, T, V
d) S, T, Q e) S, V, T

31) Point M is 10 km south of point N. Point O is 10 km east from point N. Point P is in west of point O at a distance of 22km. Point R is 5 km south of point P. what is shortest distance between point R and point N, also point O is which direction respect of point R?

- a) 13√2km, north-east
b) 13 km, north-east
c) 13 km, north-west
d) 12√2km, south-east
e) 14 km, south-west

32) An ant moves 10 cm towards east and turns to the right hand moves 3 cm. Then it moves to its right and moved 3 cm. It then turns to his left and moves 2 cm. Finally it turns to his right and travel's 7 cm. how far and in which direction it is now from the starting point?

- a) 5 cm, West b) 10 cm, East
c) 8 cm, West d) 9 cm, North
e) None of these

33) A villager went to meet his uncle in another village situated 5 km away in the North-east direction of his own village. From there he came to meet his father-in-law living in a village situated 4 km in the south of his uncle's village. How far away and in what direction is he now?

- a) 4 km in the East b) 3 km in the North
c) 4 km in the West d) 3 km in the East





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34) Rohit walked 25 metres towards South. Then he turned to his left and walked 20 metres. He then turned to his left and walked 25 metres. He again turned to his right and walked 15 metres. At what distance is he from the starting point and in which direction?

- a) 40 metres East b) 35 metres East
c) 60 metres East d) 35 metres North

35) Sanjeev walks 10 metres towards the south. Turning to the left, he walks 20 metres and then moves to his right. And moving a distance of 20 metres, he turns to the right and walks 20 metres. Finally, he turns to the right and moves a distance of 10 metres. How far and in which direction is he from the starting point?

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

