The Walnut

Phone: +91 99950 59590

Organisation for Advanced Training

Webpage: www.walnuttraining.org

DIRECTION SENSE - 2   *(Answers on page 2)*

1) Four friends Deepak, Vyshak, Rahul and Gokul live in 4 villas in a compound. Rahul's villa is in the west of Gokul's villa, at the same time it is in the south of Vyshak's villa. The villa of Vyshak is in the east of Deepak's villa. Then Deepak's villa is in which direction of Rahul's?
   a) East   b) Southwest   c) Northwest   d) Southeast

2) Dona starts to ride on her bullet from the point P and travels 12 km towards Southwest direction and reaches the point Q. From there, she rides 16 km in west direction and reaches the point R. From R she rides towards Northeast direction and reaches the point S after travelling a distance equal to PQ. At last, she turned towards East direction and reaches the point P. What is the distance covered by Dona and what geometrical figure has been formed?
   a) 50 km, square   c) 52 km, square
   b) 54 km, parallelogram   d) 56 km, parallelogram

3) Kiran started his routine walk positioning his back towards the rising sun. After a while, he turned right, then turned left and towards the right again. In which direction is he going now?
   a) East   b) North   c) South   d) West

4) Allu, Ryan, Ami and Gee are playing carroms. Allu and Gee are partners. Who faces north, if Gee faces east?
   a) Ami   b) Allu   c) Ryan   d) Either (a) or (c)

5) Jack is standing at the centre of a circular playing ground. He went down towards north until he reaches the edge of the ground and turned left, he walked along the boundary of the ground equal to five by eight of its perimeter. Then, he turned left and go right across to the opposite point on the boundary. In which direction he is facing now?
   a) Northwest   b) Southwest   c) Northeast   d) Southeast

6) Patricia's college is $4\sqrt{2}$ km Southeast of her hostel. The City Hall is 8 km North of her college. The Wonder Mall is 8 km towards west from her college. How far and in which direction is hostel from the City Hall?
   a) $4\sqrt{4}$ km Southeast   b) $4\sqrt{2}$ Northwest   c) $4\sqrt{2}$ Southwest   d) $4\sqrt{4}$ Northeast

7) Sara drove a car at distance of 15 km in north direction and took a U - turn and drove another 25 km, then she turned west and drove 6 km. After this she turned right and drove 10 km and finally, she turned east and drove 2 km. How far is she from the starting point?
   a) 2 km   b) 4 km   c) 6 km   d) 3km

8) The office of J and K face each other on road going east west, J's being on the northern side, J comes out of his office turns left, walks 10m, turns right travels 10m to the front of G's office. K does exactly the same and reaches at the front of T's office. In this context, which one of the following statements is correct?
   a) T and G on the same side of the street   c) Office of T at the east of J's office
   b) Offices of T and G are less than 30m apart   d) None of the above

9) Amar was walking towards the setting sun. After a while, he saw his friend, Antony who was walking towards him (Amar) from his right side. Amar waved Antony, then took a left turn and Antony took a left turn on the same spot were Amar took the left turn. If both of them take another left turn and a right turn, then which direction Antony would be facing now?
   a) West   b) North   c) South   d) East

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Answer Key:

1) c (Northwest)

2) d (56 km, parallelogram)

3) b (North)

4) d (Either (a) or (c))

5) a (Northwest)

6) c ($4\sqrt{2}$ Southwest)

7) b (4 km)

8) a (Offices of T and G are less than 30m apart)

9) d (East)