LOGICAL REASONING

MODULE 9 – DIRECTION SENSE TEST

1. Four friends Akshay, Bunty, Chanti and Deepu live in a same locality. The house of Bunty is in the east of Akshay's house but in the north of Chanti's house. The house of Chanti is in the west of Deepu's house. Deepu's house is in which direction of Akshay's house?
   (a) South-East   (b) North-East
   (c) East   (d) Data is inadequate

2. Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M.?
   (a) South-East   (b) South
   (c) North   (d) West

3. Rumi starts from her house and moves 200 m towards north. Then she turns left and moves further 200 m. Had she gone directly to the place where she is now, she would have saved herself a walking of an extra.
   (a) 200 ($\sqrt{2}$-1) m   (b) (400-200$\sqrt{2}$) m
   (c) (400-200 x 1.5) m   (d) cannot say

4. Umesh directly went from P to Q which is at a distance of 9 feet. Then he turns to the right and walked 4 feet. After this he turned to the right and walked a distance which is equal from P to Q. Finally, he turned to the right and walked 3 feet. How far is he now from P?
   (a) 6 feet   (b) 5 feet
   (c) 1 feet   (d) 0 feet

5. If A x B means A is to the south of B; A + B means A is to the north of B; A % B means A is to the east of B; A - B means A is to the west of B; then in P % Q + R - S, S is in which direction with respect to Q?

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

6. Mr. M walked 20m towards the west and turned left and again walked 15m. Then he moved anti-clockwise and walked 20m. At last, he moved clockwise and walked another 10m. How far is Mr. M now from his initial position?
   (a) 25m   (b) 26m   (c) 27m   (d) 28m

7. Town D is to the West of town M. Town R is to the South of town D. Town K is to the East of town R. Town K is towards which direction of town D?
   (a) North-East   (b) East
   (c) South-East   (d) South

8. A river flows West to East and on the way turns left and goes in a semi-circle round a hillock, and then turns left at right angles. In which direction is the river finally flowing?
   (a) North   (b) South   (c) East   (d) West

9. Rasik walked 20 m towards north. Then he turned right and walks 30 m. Then he turns right and walks 35 m. Then he turns left and walks 15 m. Finally, he turns left and walks 15 m. In which direction and how many metres is he from the starting position?
   (a) 15 m West   (b) 30 m East
   (c) 30 m West   (d) 45 m East

10. If South-East becomes North, North-East becomes West and so on. What will West become?
    (a) South-East
    (b) North-West
    (c) North-East
    (d) South-West

11. W walked 40 metres towards West, took a left turn and walked 30 metres. He then took a right turn and walked 20 metres. He again took a right turn and walked 30 metres. How far was he from the starting point?
(a) 90 metres
(b) 60 metres
(c) 70 metres
(d) cannot be determined

12. One morning after sunrise, Suresh was standing facing a pole. The shadow of the pole fell exactly to his right. To which direction was he facing?
(a) East
(b) South
(c) West
(d) Data Inadequate

13. Village Q is to the North of village P. Village R is to the East of Village Q. Village S is to the left of Village P. In which direction is Village S with respect to Village R?
(a) West
(b) South-West
(c) South
(d) North-West

14. A man is facing north. He turns 45 degree in the clockwise direction and then another 180 degree in the same direction and then 45 degree in the anticlockwise direction. Which direction he is facing now?
(a) North
(b) East
(c) West
(d) South

15. A child is looking for his father. He went 90 meters in the east before turning to his right. He went 20 meters before turning to is right again to look for his father at his uncle's place 30 meters from this point. His father was not there. From there, he went 100 meters to his north before meeting his father in a street. How far did the son meet his father from the starting point?
(a) 80 m
(b) 90 m
(c) 100 m
(d) 110 m

HOME WORK

16. Kunal walks 10 km towards North. From there he walks 6 Km towards South. Then, he walks 3 Km towards east. How far and in which direction is he with reference to his starting point?
(a) 5 Km North
(b) 5 Km South
(c) 5 Km East
(d) 5 Km North - East

17. A dog runs 20 metres towards East and turns right, runs 10 metres and turns to right, runs 9 metres and again turns to left, runs 5 metres and then turns to left, runs 12 metres and finally turns to left and runs 6 metres. Now in which direction is the dog facing?
(a) South
(b) North
(c) East
(d) West

18. I am facing South. I turn right and walk 20 metres. Then I turn right again and walk 10 metres. Then I turn left and walk 10 metres and then turning right walk 20 metres. Then I turn right again and walk 60 metres. In which direction am I from the starting point?
(a) North-East
(b) North-West
(c) North
(d) West

19. From his house, Lokesh went 15 kms to the North. Then he turned West and covered 10 kms. Then he turned South and covered 5 kms. Finally, turning to East, he covered 10 kms. In which direction is he from his house?
(a) North
(b) South
(c) East
(d) West

20. One day, Raviraj left home and cycled 20 Km southwards, turned right and cycled 10 km and turned right and cycled 20 Km and turned left and cycled 20 Km. How many kilometres will he have to cycle to reach his home straight?
(a) 50 Km
(b) 30 Km
(c) 40 Km
(d) 60 Km