Direction & Distance

1. If North-east becomes West and South-east becomes North then what will West becomes?
    A. South-east
    B. North-east
    C. South
    D. North-west
    E. None of these

2. A man walks 6 km towards the north, then turns towards his left and walks for 4 km. He again turns left and walks for 6 km. At this point he turns to his right and walks for 6 km. How many km and in what direction is he from the starting point?
    A. 10 km, West
    B. 6 km, South
    C. 4 km, South
    D. 8 km, West
    E. 10 km, East

3. At 12.30 the hour hand of a clock faces North and the ¬minute hand faces South. A 2.45 the minute hand will be in which direction?
    A. North-West
    B. West
    C. South-East
    D. East
    E. South

4. If the clock read 6.20 and if the minute hand points North-East in which direction will the hour hand point?
    A. West
    B. South-East
    C. East
    D. North-West
    E. North

5. Farhan starts from Point A and walks 20 m towards North then takes a left turn and walks 30 m and then takes a right turn and walks 10 m. He finally takes a left turn and walks 30 m and stops at Point B.After Farhan reaches the flnal Point B, Abhay starts from Point A. He walks 5 m towards the East, takes a left turn and walks 30 m to reach point C. How far and towards which direction would Farhan have to walk in order to meet Abhay at Point B?

A.   90 m towards West
B.   55 m towards North
C.   65 m towards East
D.   90 m towards South
E.   35 m towards West

6.   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.   West
B.   East
C.   North
D.   South
E.   None of these

7.   While facing East you turn to your left and walk 10 yards; then turn to your left and walk 10 yards: and now you turn 45o towards your right and go straight to cover 25 yards. Now, in which direction are you from your starting point ?
A.   North-East
B.   South-West
C.   East
D.   North-West
E.   None of these

8.   A direction pole was situated on the crossing. Due to an accident the pole turned in such a manner that the pointer which was showing East, started showing South. One traveler went to the wrong direction thinking it to be West. In what direction actually he was travelling ?
A.   South
B.   East
C.   West
D.   North
E.   None of these

9.   My friend is facing east. She turned 120° in the clockwise direction and then 165° in the anti-clockwise direction. Which direction is she facing now?
A.   East.
B.   North-east.
C.   North.
D.   South-west.
E.   None of these

10. Five friends are playing a game. Nitin is facing South. He follows instructions given by his friends.
(i) When Kimi touch him, Nitin walks 50 metre.
(ii) When Neha touch him, Nitin turns right and walks 40 metre.
(iii) When Annu touch him, Nitin turns left and walks 80 metre.
(iv) When Punit touch him, Nitin walks 70 metre in the direction opposite to which he faces.

If Kimi, Annu, Punit and Neha touch him in that order, how far does Nitin reach from his starting point?
A. 60 metre.
B. 72 metre.
C. 80 metre.
D. 75 metre.
E. None of these

DIRECTION (Q.11-14) : Read the situations given below to answer the questions:

Nine cars P, Q, R, S, T, U, V, W and X are parked such that:
(1) R is 4 km east of Q.
(2) P is 2 km north of Q.
(3) W is 4 km south of P.
(4) V is 2 km west of W.
(5) S is 6 km east of V.
(6) U is 4 km north of V.
(7) X is parked in the middle of Q and R.
(8) T is parked in the middle of W and S.

11. What is the distance between W and S?
A. 6 km.
B. 4 km.
C. 3 km.
D. 2 km.
E. 5 km.

12. What is the direction of Q with respect to W?
A. East
B. West
C. South
D. North
E. Cannot be determined

13. What is the distance between U and W?
    A.   20 km
    B.   √28 km
    C.   √20 km
    D.   3 4/5 km
    E.   Cannot be determined

14. Which car is parked between V and T?
    A.   S
    B.   Q
    C.   W
    D.   T
    E.   U

15. A road network has parallel and perpendicular roads running north-south or east-west only. Junctions/ Intersections on this road network are marked as A, B, C, D.... All junctions are at exactly half a kilometer distance from each other. The following is known about junctions A, B, C, H and X.

    'A' is east of 'B' and west of 'C', 'H' is southwest of 'C' and southeast of B. 'B' is southeast of 'X'. Which junctions are the farthest south and the farthest east?
    A.   H, B
    B.   H, C
    C.   C, H
    D.   B, H
    E.   B, A

DIRECTIONS (Q. 16-17) : Ashini, Bindiya and Sanika are standing at the corners of an equilateral triangle drawn In an open farm. Study the questions given below which are based on the following diagram and answer them by marking the appropriate choice from the choices.

16. From the positions shown in the figure,if Ashini, Bindiya and Sanika run along the sides in clockwise direction and stop after covering 1 12 sides, then which of the following statement is true?
    A.   Bindiya is to the north of Sanika
    B.   Ashini is to the south-west of Bindiya
    C.   Ashini is to the east of Sanika
    D.   Bindiya is to the north-west of Sanika
    E.   Sanika is to the north-east of Ashini

17. From the positions mentioned in the figure of above question, if all of them run in the anticlockwise direction covering two sides and then stop, then which of the following statements is correct?
    A.   Bindiya is to the west of Sanika
    B.   Ashini is to the south of Bindiya
    C.   Ashini is to the south-west of Sanika
    D.   Bindiya is to the north-west of Ashini
    E.   Bindiya is to the south of Sanika

DIRECTIONS(Q.18-19) : Read the following information to answer the questions given below it.

Pradeep starts walking from his college towards his house. He starts from the front gate of his College and walks 5 km, then turns left and walks 2 km, then turns left again and walks 4 km, then he turns to his right and walks 3 km,then turns left and walks 1 km and then turns to his left again and walks 4 km, then turns to his right and walks 10 km and finally turns right and walks 3 km and thus reaches the front gate of his house.

18. If Pradeep's house is facing south, in which direction did he start walking?
    A.   West
    B.   North
    C.   South
    D.   East
    E.   None of these

19. Pradeep's house is in what direction with respect to his college If Pradeep's house is facing south?
    A.   Northwest
    B.   Southwest
    C.   South
    D.   Cannot be determined
    E.   None of these

DIRECTIONS (Q.20-21) : Read the following information carefully and answer the questions given below it:

(A) P α Q means Q is to the right of P at a distance of one metre.
(B) P β Q means Q is to the North of P at a distance of one metre.
(C) P λ Q means Q is to the left of P at a distance of one metre.
(D) P η Q means Q is to the South of P at a distance of one metre.
(E) In each of the following questions all persons face South.

20. If A η B λ L β K, then K is in which direction with respect to A?
   A. South
   B. East
   C. North
   D. West
   E. None of these

21. If G α L η R α M then M is in which direction with respect to L?
   A. North-east
   B. North-west
   C. South-east
   D. South-west
   E. None of these

22. If A α B λ C β D, then D is in which direction with respect to A?
   A. North
   B. South
   C. East
   D. North-east
   E. None of these

23. Pran and Khan start from their office and walks in opposite direction, each traveling 10 km. Pran then turns left and walks 10 km. While Khan turns right and walks 10 km. How far they are now from each other?
   A. 0 km
   B. 5 km
   C. 10 km
   D. 20 km
   E. None of these

24. Facing to the South Mr. Jha turns in certain ways, which of the following turns will not lead him to the same side?

   A. left, left, right, left, left, right
   B. left, left, left, right, right, right
   C. left, right, left, right, left, right
   D. right, left, right, left, right, left
   E. None of these

25. One morning after sunrise, Vikram and Shailaish were standing in a town with their backs towards each other. Vikram's shadow fell exactly towards left and side. Which direction was Shailaish facing ?
   A. East
   B. West
   C. North
   D. South
   E. North south

1. (a)	2. (a)	3. (b)	4. (c)	5. (c)	6. (b)	7. (d)	8. (a)	9. (b)
10. (b)	11. (b)	12. (d)	13. (c)	14. (c)	15. (b)	16. (b)	17. (d)	18. (d)
19. (a)	20. (b)	21. (d)	22. (a)	23. (d)	24. (a)	25. (d)		