

Quiz Date: 2nd June 2020

Q1. A person started walking from point A towards South direction. After walking 10 m he took a right turn and walked 5m. Then he took a left turn and walked 5m. He again took a right turn and walked 3m meters and stopped at point B. What is the shortest distance and direction of his final point with respect to his starting point?

- (a) 10 m South
- (b) 15m North-east
- (c) 17m South-west
- (d) 13m South
- (e) 18m West

Q2. Tower D is towards East to Tower F. Tower B is towards North of Tower D. Tower H is towards South of Tower B but north of D. Towards which direction is Tower H from Tower F?

- (a) East
- (b) South-East
- (c) North-East
- (d) North
- (e) Can't be determine

Q3. A man starts from point P, walks 5 m towards North, then takes a left turn and walks for 10 m. He then takes a left turn and walks for 14 m, then he takes a left turn and walks 7 m, then finally takes a left turn and walks 5 m to reach point Q. How far and towards which direction should the person walk to reach at point P again?

- (a) 5m, West
- (b) 7m, North-East
- (c) 6m, East
- (d) 5m, North-East
- (e) 5m, South-West

Direction (4-5): Read the information carefully and answer the question:

Rahul started his journey from point X, he walks 8 m in the east direction, after that he turns 90-degree anticlockwise direction and walks 6m to reach at point Y. From point Y, he turns to his left and walks 10m to reach at point Z.

Q4. What is the shortest distance between point X and Y?

- (a) 8m
- (b) 10m
- (c) 12m
- (d) 15m
- (e) None-of-these

Q5. What is the total distance covered by Rahul from point X to point Z?

- (a) 22m
- (b) 24m

- (c) 20m
- (d) 30m
- (e) 18m

Directions (6-8): These questions are based on the information given below:
Eight persons are standing in such a way that C is 20 m west of B, B is 30 m South with respect to A. A is 40 m towards West with respect to E. D is 50 m towards South with respect to E. F is 15 m north of G. H is 20 m towards East with respect to G. F is 40 m towards West with respect to D.

Q6. In which direction is B standing with respect to F?

- (a) North-West
- (b) North
- (c) North-East
- (d) Cannot be determined
- (e) None of these

Q7. If one more person I is standing towards South-West with respect to D, then in which direction is H, standing with respect to I?

- (a) South-West
- (b) North-East
- (c) North-West
- (d) Cannot be determined
- (e) None of these

Q8. What is the direction of C with respect to H?

- (a) North-West
- (b) North
- (c) West
- (d) Cannot be determined
- (e) None of these

Direction (9-10): Study the information carefully and answer the questions given below.

A started his journey from point X in north direction after covers a distance of 3m he reached at point O then he takes a right turn while B started his journey from point Y in south direction after covers a distance of 3m he takes right turn. They met at point Z after covers the same distance from their right turn. Distance between X and Y is 10m.

Q9. What will be the distance between point Z and O?

- (a) 7m
- (b) 9m
- (c) 4m
- (d) 10m
- (e) None-of-these

Q10. If point V is somewhere in between point Z and Point O, then what is the position of point V with respect to point Y?

- (a) North
- (b) South-west
- (c) South-east
- (d) None-of-these
- (e) East

Directions (11-14): Study the information carefully and answer the questions given below.

Ajay starts his journey from point Y and walks 10m and reached at point X. From point X he takes right turn and walks 15m towards east direction and reached to a circle and the circle is in northeast with respect to point Y. when he reached to the circle the Park is located in his Right and Football club is located in his left and home is in straight. Each place is 10m away from the circle.

Q11. What is the shortest distance of his home from point Y?

- (a) 27m
- (b) $\sqrt{726}$ m
- (c) $25\sqrt{13}$ m
- (d) $5\sqrt{29}$ m
- (e) None of these

Q12. Park is in which direction with respect to point X?

- (a) South
- (b) Southwest
- (c) North
- (d) Northeast
- (e) Southeast

Q13. What is the distance between point Y and Park?

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

Q14. How far and in which direction his home from point X?

- (a) 25m East
- (b) 10m West
- (c) 20m East
- (d) 15m West
- (e) None of these

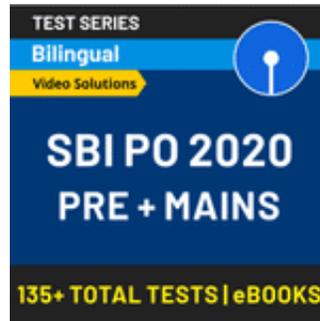


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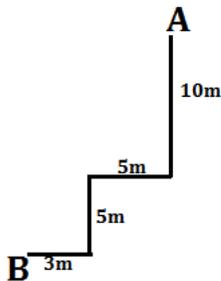
Q15. Point P is in east of point Q which is in north of point T. Point T is in east of point Y. In which direction point P with respect to point Y?

- (a) Northwest
- (b) Southwest
- (c) Northeast
- (d) Southeast
- (e) East

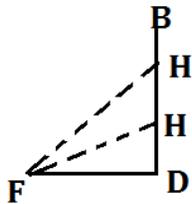


Solutions

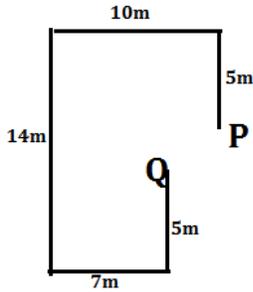
S1. Ans.(c)
Sol.



S2. Ans.(c)
Sol.

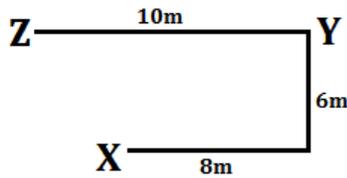


S3. Ans.(d)
Sol.



Solution (4-5):

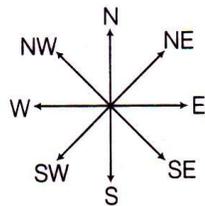
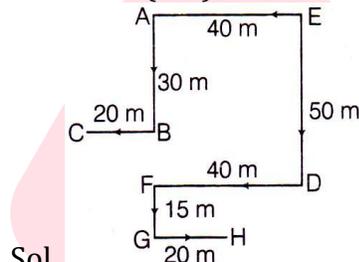
Sol.



S4. Ans.(b)

S5. Ans.(b)

Solutions (6-8):



Sol.

S6. Ans.(b)

Sol. B is standing in North direction with respect to F.

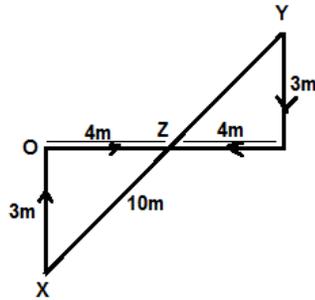
S7. Ans.(d)

As total distance between I and D is not given, so the position of H with respect of I cannot be determined.

S8. Ans.(a)

C is in the North-West direction from H.

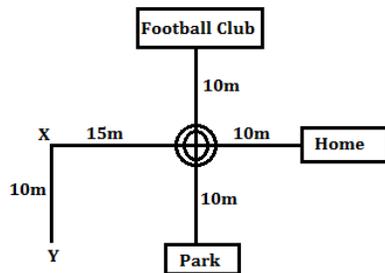
Solution (9-10):



S9. Ans.(c)

S10. Ans.(b)

Solution (11-14):



S11. Ans(d)

$$= \sqrt{25^2 + 10^2} = 5\sqrt{29}$$

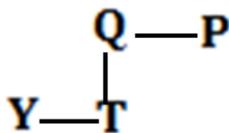
S12. Ans(e)

S13. Ans(c)

S14. Ans(a)

S15. Ans(c)

Sol.



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