

Quiz Date: 8th July 2020

Directions (1-5): Study the information carefully and answer the questions given below.

Aman starts his journey from point K, walks 8m towards South to reached at point Z, then takes a right turn and walks for 6m to reach point M. From point M he takes a left turn and walks for 9m to reach at point G, From point G he takes a left turn and walks 14m to reach at point L, then takes a left turn again and walks 17m to reach point I. From point I, He walks 4m in west direction and reached point P.

Q1. What is the shortest distance between point P and K?

- (a) 6m
- (b) 8m
- (c) 4m
- (d) 10m
- (e) None of these

Q2. What is the total distance covered by Aman from point K to point P?

- (a) 59m
- (b) 58m
- (c) 56m
- (d) 54m
- (e) 57m

Q3. In which direction point M with respect of L?

- (a) North-east
- (b) South
- (c) South-west
- (d) East
- (e) North-west

Q4. What is the shortest distance between point K and M?

- (a) 10m
- (b) 20m
- (c) 11m
- (d) 12m
- (e) None of these

Q5. In which direction point Z with respect of I?

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



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Directions (6-8): Study the information carefully and answer the questions given below.

Reena faces west and start his journey from point O and walks 4 km to reach P, then turn right walks 3km to reach point D. After this, she turns right and walks 5 km. Now, she turns again towards right and walks 6km, then turn right and walks 1km.

Q6. What is the shortest distance between Point O and Final position and in which direction she is with respect to O?

- (a) 1km, South
- (b) 2km, North east
- (c) 3km, South
- (d) 2km, South west
- (e) None of these

Q7. What is the shortest distance between Point O and D?

- (a) 5km
- (b) 4km
- (c) 3km
- (d) 6km
- (e) None of these

Q8. If point M is 4m west of point D, then what is the direction of point M with respect to point P?

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

Q9. Utkarsh starts walking and covers a distance of 11 m towards north and after that 14 m towards east. He then turned to the south and covered 8 m. Further, he turns to the east and moves 10 m. Finally, he turned right and walks 10 m. What is the shortest distance between his final and initial point and in which direction he is finally from his starting point?

- (a) 14 m Southeast
- (b) 16 m Southeast
- (c) 10 m Southwest
- (d) 25 m Southeast
- (e) None of these

Q10. Shivani starts walking from point P, walks in South to Point U which is 10m away. Then She turns left and walks towards point T which is 8m away, after that turns right and goes 5m to point Q, then turns right and walks 4m to point M, then turns left and goes to point V, which is 3m away and once again turns right and goes to point R, which is 6m away. Find what is the shortest distance between point T and R?

- (a) 4m

- (b) 5m
- (c) $\sqrt{164}$ m
- (d) 8m
- (e) None of these

Direction (11-13): Read the information carefully and answer the question:

Dheeraj started his journey from point K, he walks 5m in the east direction to reach point O, after that he turns left and walks 8m to reach at point L. From point L, he turns to his right and walks 1m to reach at point X. From point X he walks 9m south to reach point Y. Now he take right turn and walks 3m to reach point Z. from point Z he takes a left turn and walks 4m to reach point T.

Q11. What is the shortest distance between point K and T?

- (a) 5m
- (b) 8m
- (c) $\sqrt{34}$
- (d) 15m
- (e) None-of-these

Q12. In which direction point X with respect to point O?

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

Q13. What is the direction of point Z with respect to point L?

- (a) North-East
- (b) East
- (c) South
- (d) South-west
- (e) North

Directions (14-15): Study the following information to answer the given questions:

Given

A\$B means A is 4m east to B
A@B means A is 8m west to B
A#B means A is 5m south to B
A%B means A is 3m north to B
A&B means A is 2m east to B

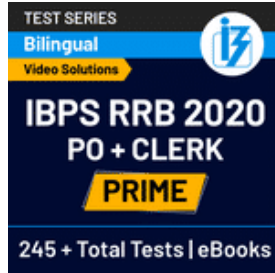
Q14. If P@R%Q\$T#S, holds true, then in which direction is S with respect to R?

- (a) south-east
- (b) south-west
- (c) north-east

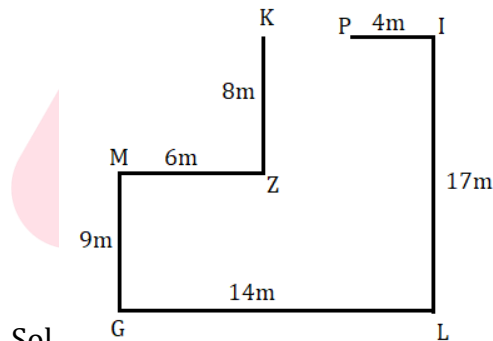
- (d) north-west
- (e) none of these

Q15. If $E\%F@G\#H\$K$, L&H holds true, then what is the shortest distance between point K and E?

- (a) 8m
- (b) $2\sqrt{5}m$
- (c) 5m
- (d) $4\sqrt{5}m$
- (e) None of these



Solutions (1-5):

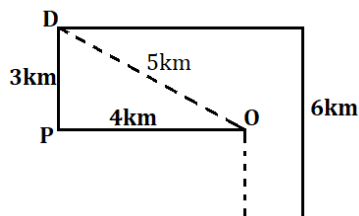


Sol.

- S1. Ans(c)
- S2. Ans(b)
- S3. Ans(e)
- S4. Ans(a)
- S5. Ans(e)

Solutions (6-8):

Sol.



Solutions



S6.Ans(c)

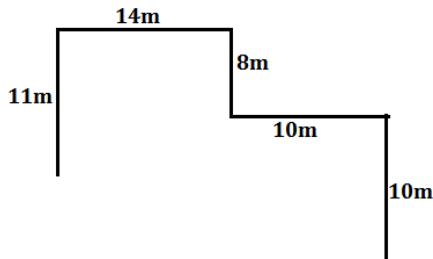
S7.Ans(a)

$$OD = \sqrt{3^2 + 4^2} = 5\text{km}$$

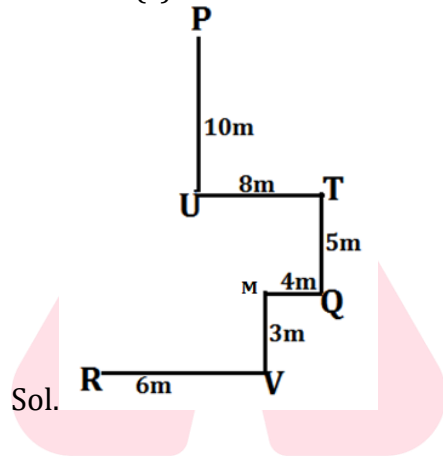
S8. Ans. (c)

S9. Ans.(d)

Sol.

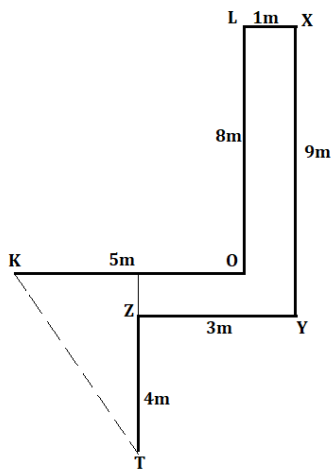


S10. Ans.(c)



Sol.

Solutions (11-13):



Sol.

S11. Ans.(c)

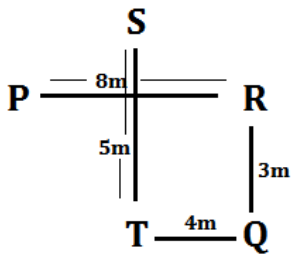
S12. Ans.(a)

S13. Ans.(d)



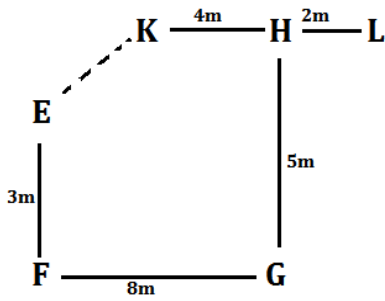
S14. Ans.(d)

Sol.



S15. Ans.(b)

Sol.



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