

Quiz Date: 23rd April 2020

Direction (1-3): Study the following information carefully and answer the given questions:

Shivani started walking from point A towards south and walked for 10 m to reach point B. She takes two consecutive right turns from point B, walked 5 m and 6m respectively. Finally, she took left turn and walked 2m to reach point E. She again starts walking and takes a left turn and walk 12m and then takes a right turn and walks 5m to reached point D.

Q1. What is the shortest distance between point D and E?

- (a) 13
- (b) $\sqrt{29}$
- (c) $\sqrt{17}$
- (d) 12
- (e) none of these

Q2. Point B in which direction of D?

- (a) south-west
- (b) east
- (c) west
- (d) north-east
- (e) Can't be determined

Q3. If a person starts walking from point D in north direction, then how far and in which direction is he from point B?

- (a) 12m, north-west
- (b) 10m, south-east
- (c) 14m, west
- (d) Cannot be determine
- (e) none of these

Directions (4-5): Study the following information carefully and answer the given questions:

Point P is 12m east of point Q. Point Q is 9m north of point R and also 11m south of point S. Point T is 8m west of point S. Point R is 14m south of point U. Point W is 15m west of point R.

Q4. Point W is in which direction with respect to point S?

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

Q5. What is the shortest distance between U and P?

- (a) $\sqrt{29}$ m
- (b) 13m

- (c) $\sqrt{37}$ m
- (d) 6m
- (e) None of these

Direction (6-8): Read the information carefully and answer the question:

Point D is 7m south of Point C which is 5m east of B. Point F is 12m west of G. Point E is 6m east of D and Point A is 10m north of B. Point E is 17m south of F and Point H 12m north of E.

Q6. What is the shortest distance between point H and G?

- (a) 10m
- (b) 25m
- (c) 16m
- (d) 13m
- (e) 7m

Q7. What is the direction of point E with respect to A?

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

Q8. If point P is 5m west of point D, then what is the distance and direction of point P with respect to A?

- (a) 17m, South
- (b) 12m, South-West
- (c) 10m, North
- (d) 15m, West
- (e) 11m, North-east

Directions (9-12): Study the information carefully and answer the questions given below.

A person starts walking from A towards east direction to reach B, which is 15m east to A. He then takes a right turn and walks 20 m to reach point C. From C, he takes left turn and walks 15m to point D, then again, he takes a left turn and walks 10m to point E. From E, he takes a left turn and walks 20m to reach point F. He then takes a right turn and walks 5m to reach G and finally takes a left turn to reach point H, which is 10 m away from G.

Q9. In which direction is point B with respect to point F?

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

Q10. Four of the following five belongs to a group based on their directions find the one that does not belong to that group?

- (a) A, G
- (b) F, C
- (c) B, D
- (d) H, F
- (e) D, E

Q11. What is the shortest distance between point A and H?

- (a) 5m
- (b) 10m
- (c) 15m
- (d) 20m
- (e) none of these

Q12. Which of the following is the nearest point to X, which is the mid-point of BC?

- (a) E
- (b) F
- (c) C
- (d) B
- (e) H

Direction (13-15): Study the following information carefully to answer the given questions.

A person starts walking from his home to the east direction, after walking 20m he turns right and walk 15m and reached at point C. From point C he takes a right turn and walk 10m and then turn his left and walk 5m to reach final point E.

Q13. What is the direction of his home with respect to point E?

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

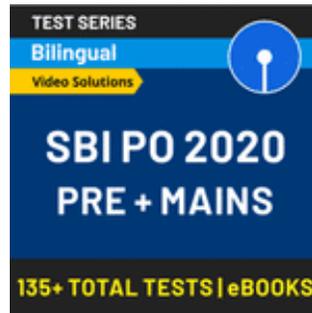
Q14. If point A is 2m east of point C, then what is the shortest distance between E and A?

- (a) 10m
- (b) 15m
- (c) 25m
- (d) 13m
- (e) 7m

Q15. Point C is in which direction of his final position?

- (a) North East
- (b) East
- (c) North

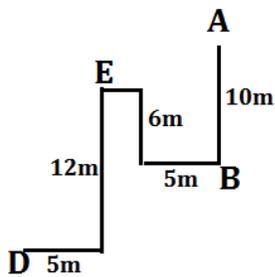
- (d) West
- (e) South-West



Solutions

Solutions (1-3):

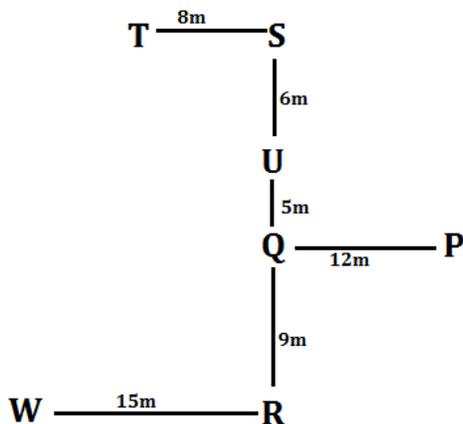
Sol.



- S1. Ans.(a)
- S2. Ans.(d)
- S3. Ans.(d)

Solutions (4-5):

Sol.

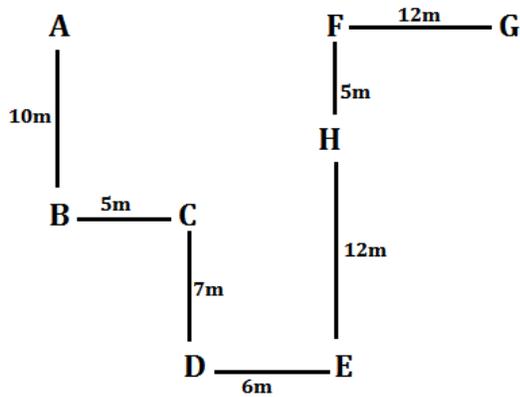


- S4. Ans.(b)
- S5. Ans.(b)

Solutions (6-8):

Sol.

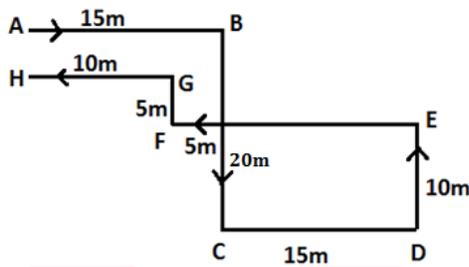




- S6. Ans.(d)
- S7. Ans.(b)
- S8. Ans.(a)

Solutions (9-12):

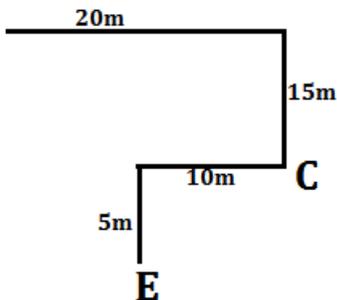
Sol.



- S9. Ans.(e)
- S10. Ans.(e)
- S11. Ans.(a)
- S12. Ans.(b)

Solutions (13-15):

Sol.



- S13. Ans.(c)
- S14. Ans.(d)
- S15. Ans.(a)





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