

Quiz Date: 13th February 2020

Direction (1-3): Read the information carefully and answer the questions given below:

Naveen starts walking from his office in south direction and walks 8m, then turn his left and walks 11m and stop in a grocery shop. After purchasing some items, he takes two consecutive right turns and walks 5m and 20m respectively and reached at point K. From point K he walks 3m in north direction to reach his home.

Q1. What is the shortest distance between his home and grocery shop?

- (a) 45m
- (b) $3\sqrt{11}$ m
- (c) 25m
- (d) $2\sqrt{101}$ m
- (e) None of these

Q2. What is the direction of his office with respect to his home?

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

Q3. If Naveen walks 9m west to his office and reached in a Mall, then what is the shortest distance between Mall and his Home?

- (a) 13m
- (b) 10m
- (c) 12m
- (d) 15m
- (e) None of these

Direction (4-5): Read the information carefully and answer the questions given below:

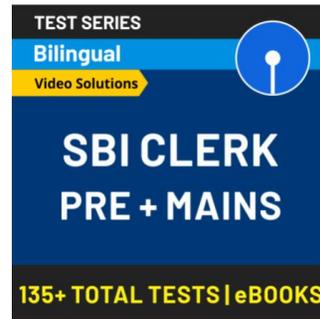
A person starts walking from point P in the east direction and walks 10m and reached at point Q. From Point Q he walks 13m in south-west direction and reached at point R, then he turns towards north direction and walks 20m to reach at point S then he turns towards south direction and reach at point T, which is 5m east of point P.

Q4. What is the shortest distance between T and R?

- (a) 18m
- (b) 8m
- (c) 10m
- (d) 12m
- (e) None of these

Q5. What is the direction of point S with respect to point Q?

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



Direction (6-9): Study the following information carefully and answer the questions given below:

Point A is 10m west of point B. Point F is 12m north of point G. Point D is 20m east of point C. Point E is 17m south-west of point D and south of point F. Point C is 8m south of point A. Point D is 15m east of point G.

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

- (a) 13m
- (b) 11m
- (c) 10m
- (d) 8m
- (e) None of these

Q7. What is the direction of point D with respect to point B?

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

Q8. What is the shortest distance between point C and point F?

- (a) 17m
- (b) 25m
- (c) 13m
- (d) 8m
- (e) None of these

Q9. What is the direction of point A with respect to point E?

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

Q10. Harish starts walking in west direction from point A and walks 12m to reach at point B. From point B he takes three consecutive right turns and walks 8m, 5m, 3m respectively and reach at point C, from here he walks 2m in east direction to reach at point D. Then what is the shortest distance between point D and A?

- (a) 8m
- (b) $5\sqrt{2}$ m
- (c) 6m
- (d) $5\sqrt{10}$ m
- (e) None of these

Directions (11-12): Study the information carefully and answer the questions given below.

- (i) M \$ N means M is 4m west of N.
- (ii) M # N means M is 6m South of N.
- (iii) M @ N means M is 5m North of N.
- (iv) M % N means M is 3m East of N.

Q11. If the expression "A\$D@F%G#K" is true, then what is the direction of D with respect to K?

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

Q12. If the expression "P@R#T\$W%X" is true, then what is the shortest distance between point X and R?

- (a) 12m
- (b) $\sqrt{37}$ m
- (c) 15m
- (d) $3\sqrt{31}$ m
- (e) None of these

Directions (13-15): Study the following information and answer the given questions

Point A is 16m to the East of Point B. Point D is 6m to the South of Point B. Point E is 4m to the North of Point A. Point C lies exactly between Point A and Point B. Point G is 8m to the East of Point D

Q13. In which direction is Point G with respect to Point E?

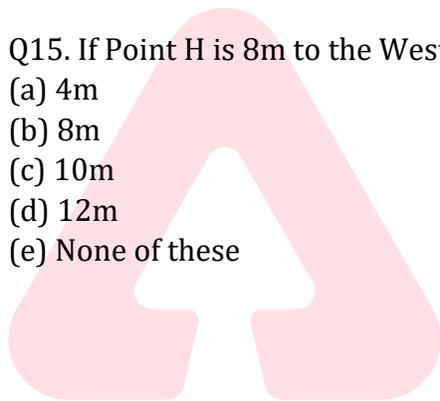
- (a) North
- (b) Northeast
- (c) South
- (d) Southwest
- (e) Cannot be determined

Q14. What is the shortest distance between Point G and Point A?

- (a) 8m
- (b) 9m
- (c) 10m
- (d) 12m
- (e) None of these

Q15. If Point H is 8m to the West of Point E, then how far is Point H from Point G?

- (a) 4m
- (b) 8m
- (c) 10m
- (d) 12m
- (e) None of these



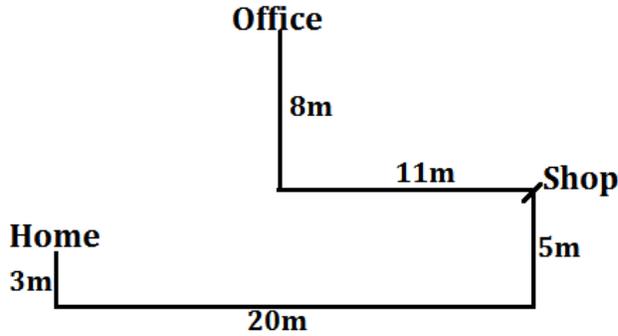
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Solutions

Solutions (1-3):



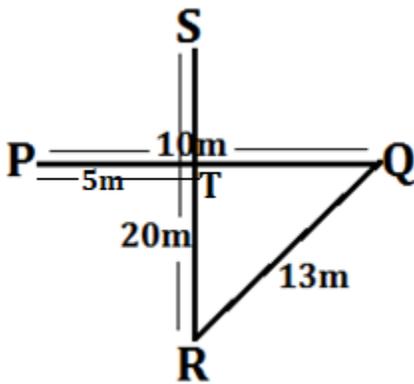
S1. Ans.(d)

S2. Ans.(c)

S3. Ans.(b)

Solutions (4-5):

Sol.

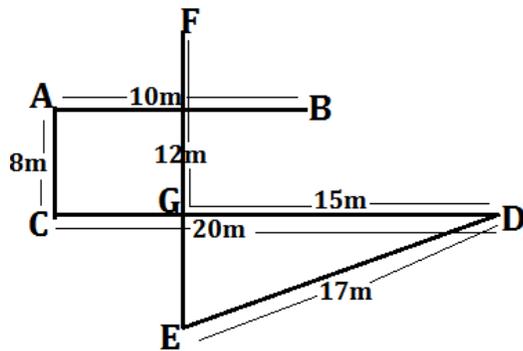


S4. Ans.(d)

S5. Ans.(b)

Solutions (6-9):

Sol.



S6. Ans.(d)

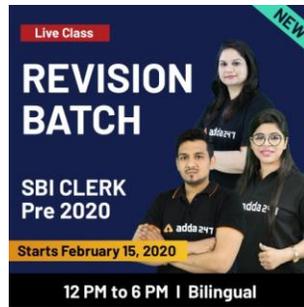
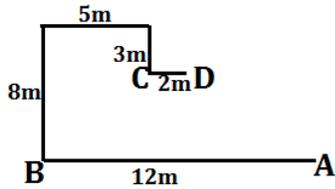
S7. Ans.(b)

S8. Ans.(c)

S9. Ans.(a)

S10. Ans.(b)

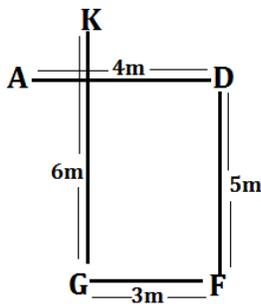
Sol.



Solutions (11-12):

S11. Ans.(d)

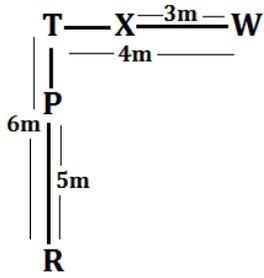
Sol.



S12. Ans.(b)

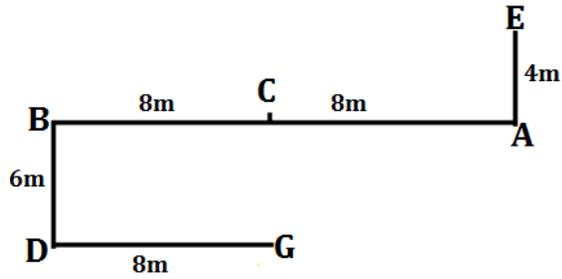
Sol.

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Solutions (13-15):

Sol.



S13.Ans.(d)

S14.Ans.(c)

S15.Ans.(c)

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