

Quiz Date: 17th May 2020

Direction (1-3): Read the information carefully and answer the question:

Point J is 5m north of point R. Point K is 12m east of point J. Point M is 3m north of point K. Point L is 18m west of point M. Point D and R lies in a straight line horizontally. Point D is south of point L.

Q1. What is the distance between point D and R?

- (a) 10m
- (b) 8m
- (c) 6m
- (d) 2m
- (e) 5m

Q2. In which direction is point L with respect to J?

- (a) north-west
- (b) south-west
- (c) south-east
- (d) north-east
- (e) none of these

Q3. What is the shortest distance between point K and R?

- (a) 10m
- (b) 13m
- (c) 15m
- (d) 2m
- (e) 5m

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

A person started walking from point A towards north direction after walking of 7m. He reached point B then take a right turn and reached point C after walking 5m. From there he takes a left turn after walking of 5m reach point D and again take a left turn after walking 7m. He reached point E.

Q4. What is the shortest distance between point E to B?

- (a) 29m.
- (b) 25m.
- (c) $\sqrt{29}$ m.
- (d) $5\sqrt{2}$ m.
- (e) None of these.

Q5. In which direction is point A with respect to E?

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

- (d) West
- (e) None of these.

Directions (6-8): **Study the following information carefully to answer the given questions.**

Point E is exactly midway between point C and point F. Point F is 6 m towards the East of point C. Point B is exactly midway between point A and point C. Point A is 8 m North of Point C. Point D is 10 m to the South of point B. Point G is 3 m towards the East of point B.

Q6. Point E is in which direction with respect to D?

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

Q7. What is the shortest distance between G and E?

- (a) 1m
- (b) 2m
- (c) 3m
- (d) 4m
- (e) None of these

Q8. If a person walks 8 m towards North from point E to reach point Q, then What will be the shortest distance between point B and Q?

- (a) 1m
- (b) 2m
- (c) 3m
- (d) 4m
- (e) None of these

Q9. Harsh walks a distance of 3 m towards west, then he turns to his right and walks for 2 m. He again turns his left and walks for 3 m. At this point he turns to his right and walks for 3 m and takes a turn of 45 degree in anticlockwise direction and covers a distance of 4 m. He is in which direction from his starting point?

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

Q10. Starting from a point S, Harsha walked 10 meters towards East and reached a point Q. After which she turned left and walked 40 meters. She then turned right and walked 20 meters. She again turned right and walked 30 meters. She again turned right then walked 20 meters and reached point P. How far and in which direction is the point S from the point P?

- (a) $20\sqrt{2}$ meters North West
- (b) $10\sqrt{2}$ meters North West
- (c) $10\sqrt{2}$ meters East
- (d) 10 meters West
- (e) None of these

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

Dinesh who is facing South walked 50 m before turning to his left to walk 30 m. From this point, he turned towards North and walked for 30 m before reaching his friend's house. To return to his house he turned left and walked straight 30 m.

Q11. How far is Dinesh's house from his starting point?

- (a) 20 m
- (b) 10 m
- (c) 15 m
- (d) 25 m
- (e) 18 m

Q12. In which direction is his friend's house from Dinesh's house?

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

Q13. Abhijit's house is to the right of Baljit's house at a distance of 20 m in the row facing North. Sanjay's house is in the North-East direction from Baljit's house at a distance of 25 m. Abhijit's house is in which direction with respect to Sanjay's house?

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

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

Ravi walked 5m towards north from point A and reached point B. He took a right turn from point B and walked 7m and reached point C. He took another right turn from point C and walked 6m to reach point D. Ravi took a right turn from point D and walked 3m to reach point E. From point E, Ravi took another right turn and walk 6m and reached point F

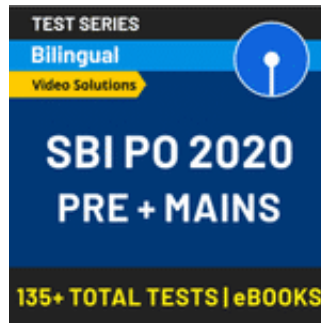
Q14. Point F is in which direction with respect to point A?

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

(e) North-east

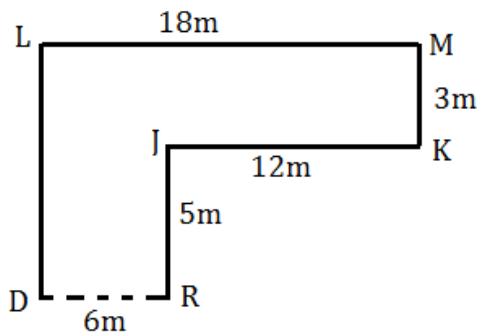
Q15. Point E is in which direction with respect to point C?

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



Solutions (1-3):

Sol.



S1. Ans. (c)

Sol. $18\text{m} - 12\text{m} = 6\text{m}$

S2. Ans. (a)

S3. Ans. (b)

Sol. $RK^2 = 12^2 + 5^2$

$RK = 13\text{m}$

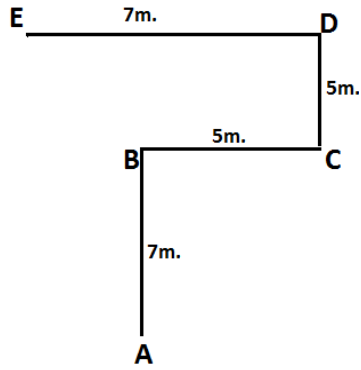
Solutions (4-5):

Sol.

Solutions

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S4. Ans.(c)

Sol. $\sqrt{2^2+5^2}=\sqrt{4} + 25 = \sqrt{29}$

S5. Ans.(e)

Solutions (6-8):

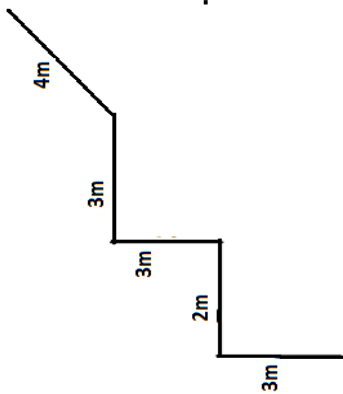
S6. Ans. (d)

S7. Ans. (d)

S8. Ans. (e)

S9. Ans.(e)

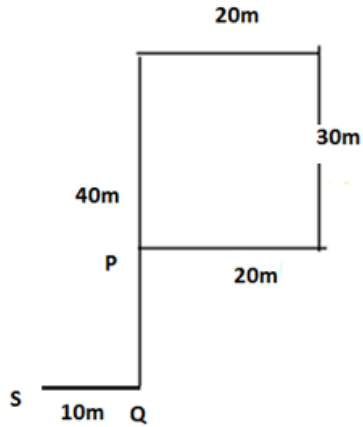
Sol.



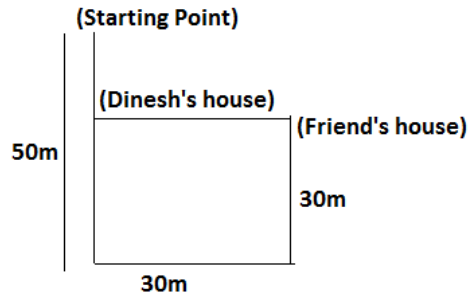
S10. Ans.(e)

Sol.





Solution (11-12):
Sol.



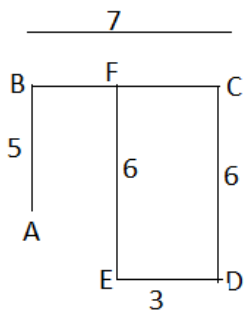
S11. Ans.(a)

S12. Ans.(a)

S13. Ans.(e)



Solution (14-15):



S14. Ans.(e)

S15. Ans.(d)



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