Quiz Date: 9th May 2020

Directions (1-4): **Read the following information carefully to answer the given questions:**
Point F is 3 meters to the north of point E. Point C is 6 meters to the south of point D. Shortest distance between D and A is 8 meters. Point A is to the West of point B. Ravish started walking from point E and after walking 4 meters ahead he reached point D from where he kept on walking in the same direction from where he started and reached point B after walking 12 meters. Point A lies somewhere between point D and B in a straight line.

Q1. What is the shortest distance between point D and F?
(a) 2 meters
(b) 3 meters
(c) 4 meters
(d) 5 meters
(e) None of these

Q2. In which direction did Ravish started his journey?
(a) North
(b) East
(c) West
(d) South-East
(e) None of these

Q3. What is the shortest distance between point C and A?
(a) 14 meters
(b) 8 meters
(c) 10 meters
(d) 12 meters
(e) None of these

Q4. Which of the following two points are farthest from each other?
(a) C and B
(b) E and B
(c) F and C
(d) F and B
(e) A and F

Q5. Prakash starts walking towards East. After walking 35 m, he turns to his right and walks another 40 m. He then turns right again and walks another 35 m. Finally, he turns right and walks 20 m. In which direction and how far is he from the starting point?
(a) 20 m, North
(b) 35 m, South
(c) 35 m, North
(d) 20 m, South
(e) None of these

Q6. A person started walking from point A towards South direction. After walking 6 km he took a right turn and walked 2km. He then took a left turn and walked 6km. He again took a right turn and walked 3km meters and stopped at point B. Now how far and in which direction was he from starting point?
(a) 13 km South
(b) 13km North-east
(c) 13km South-west
(d) 13km South
(e) None of these

Q7. Building D is towards East to building F. Building B is towards North of building D. Building H is towards South of building B. Towards which direction is building H from building F?
(a) East
(b) South-East
(c) North-East
(d) Data inadequate
(e) None of these

Q8. A student starts from point X, walks 2 km towards North, then takes a left turn and walks for 5 km. He then takes a left turn and walks for 8 km then takes left turn again and walks for further 5 km then finally takes a left turn again and walks 1 km to reach point Y. How far and towards which direction should the student walk to reach at point X again?
(a) 5 km towards south
(b) 7 km towards East
(c) 6 km towards South
(d) 6 km towards West
(e) 5 km towards North

Directions (9-10): **Read the information carefully and answer the questions:**
Town D is 13 km towards the North-east of town A. A bus starts from town A, travels 10 km towards north and takes a right turn. After taking the right turn, it travels 5 km and reaches town B. From town B the bus takes a right turn again, travels 21 km and reaches town Q. Town B is in southwest direction of town D.

Q9. What is the direction of town Q with respect to town D?
(a) towards South-East
(b) towards West
(c) towards South-West
(d) towards South
(e) None of these

Q10. What is the direction of town B with respect to town A?
(a) towards South-East
(b) towards West

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

Directions (11-12): **Read the following information carefully and answer the given questions.**
A man starts waking from a point X to point S in the west direction and covers 4 km. He then turned to his right and walks for 6 km to reach at a point V, from here he again took a right turn and walks for 4 km to reach at a point R. He finally turned to his left and walks for another 2 km to reach at a final point Q.

Q11. If point T is in the midway of point V and point R, then in which direction point Q is with respect to point T?
(a) North
(b) South West
(c) North East
(d) North West
(e) None of these

Q12. If point W is just in the middle of point S and point V, then what is the shortest distance between point X and point W?
(a) 5 km
(b) 7 km
(c) 6 km
(d) 4 km
(e) None of these

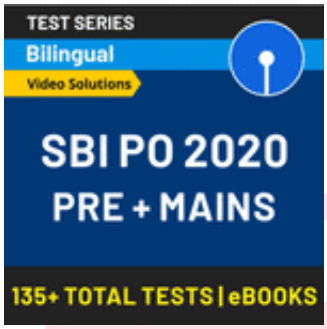
Directions (13-14): **Study the information carefully and answer the questions given below.**
A person starts walking from A to reach B, which is 15m east to A. He then takes a right turn and walks 20 m to reach point C. From C, he takes left turn and walks15m to point D, then again he takes a left turn 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.

Q13. If J is 5m north to G, then what is the distance between A and J?
(a) 5m
(b) 10m
(c) 15m
(d) 20m
(e) none of these

Q14. How far is point A from point H?
(a) 5m
(b) 10m

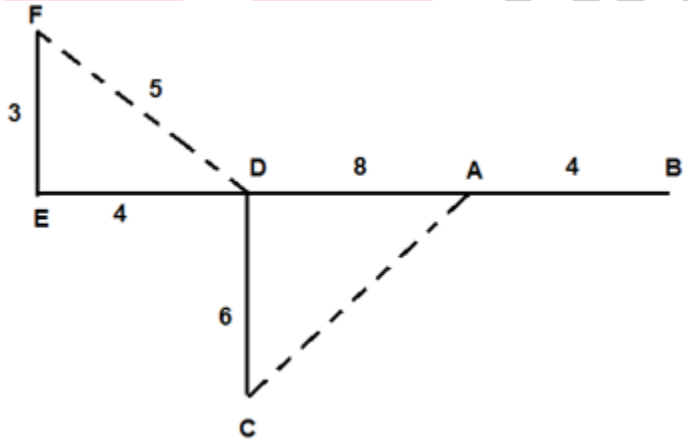
(c) 15m
(d) 20m
(e) none of these

Q15. Swati walks 20 m towards east. Then She takes right again and walk 10 m. Then she turns left and walks 10 m and then turning right and walk 20 m. Then she turns right again and walk 60 m. She is in which direction from her starting point?
(a) North
(b) North-west
(c) East
(d) North-east
(e) South-west



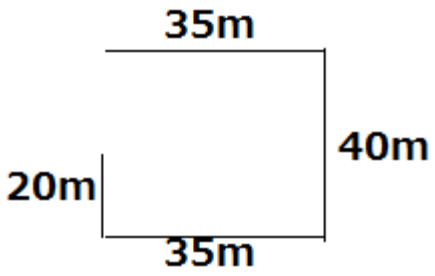
Solutions

Solutions (1-4):
Sol.



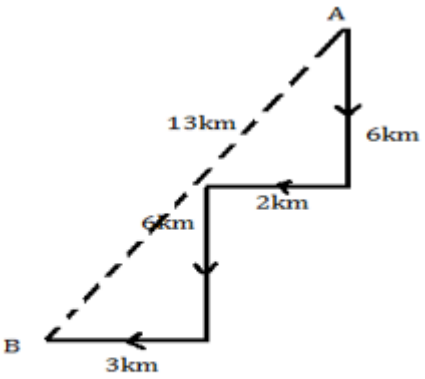
S1. Ans.(d)
S2. Ans.(b)
S3. Ans.(c)
S4. Ans.(d)

S5. Ans.(d)



Sol.

S6. Ans.(c)



Sol. $AB^2 = (6+6)^2 + (3+2)^2$

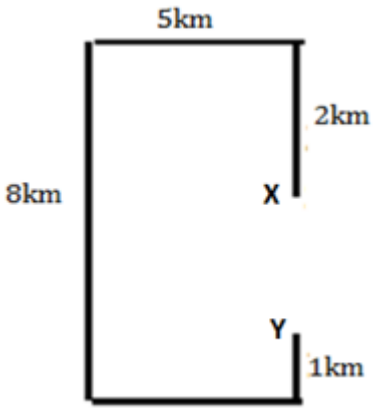
$AB = 13km$

S7. Ans.(d)

Sol. The position of H is not fixed. H can be come between B and D or H can be come below D.

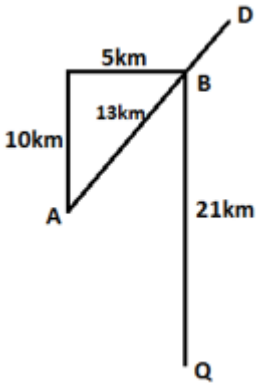
S8. Ans.(e)

Sol.



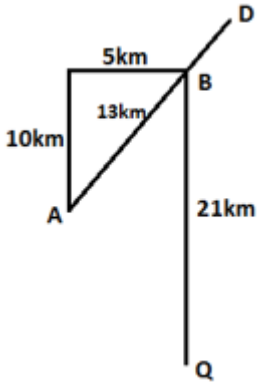
S9. Ans.(c)

Sol.

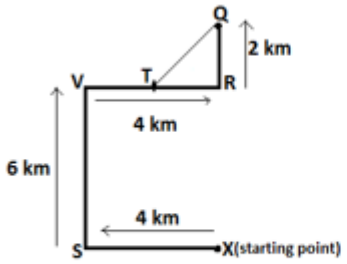


S10. Ans.(d)

Sol.

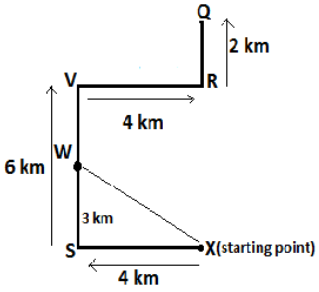


S11. Ans. (c)



Sol. Clearly, point Q is to the North-East direction of point T.

S12. Ans. (a)

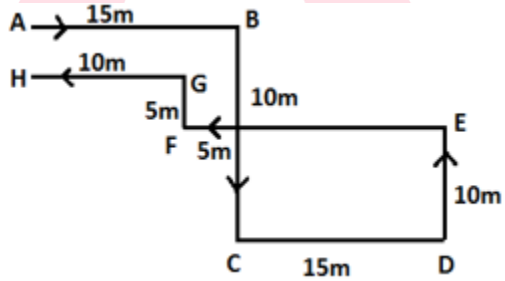


The shortest distance between point X and point W = $\sqrt{3^2 + 4^2}$

$= \sqrt{25}$ = 5 km.

Solutions (13-14):

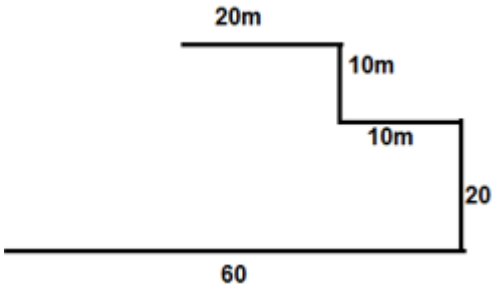
Sol.



S13. Ans(b)

S14. Ans(a)

S15.Ans.(e)



Sol.

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