

Quiz Date: 19th June 2020

Direction (1-3): **Study the given information and answer the following question.**

Eight pillars are arranged in a ground in a certain way. A is 12m west of B. G is 3m north of F. C is 10m west of D which is 5m south of E. H is in exactly between E and F. C is 8m north of B. E is 24m east of F.

Q1. What is the shortest distance between H and D?

- (a) 13m
- (b) 15m
- (c) 20m
- (d) 23m
- (e) 21m

Q2. Pillar A is in which direction with respect to E?

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

Q3. If a person starts walking from pillar B and stop pillar H, what is the total distance travelled by him?

- (a) 28m
- (b) 40m
- (c) 35m
- (d) 37m
- (e) 45m

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

E is north west of D. B is either 30 m to the north or south of D. A is 30m South of C. B is 10 m east of E. D is 20m to the east of C.

Q4. In which direction is E with respect to A?

- (a) South
- (b) Southeast
- (c) Northeast
- (d) Northwest
- (e) East

Q5. What is the shortest distance between point A and B?

- (a) $20\sqrt{10}$ m
- (b) 20m
- (c) 10m
- (d) 40m

(e) None of these

Directions (6-7): **Study the following information to answer the given questions:**

Given

A*B means B is 1m east to A

A@B means B is 1m west to A

A#B means B is 1m south to A

A%B means B is 1m north to A

A!B means B is 2m east to A

Q6. If $M @ N \% Q ! Y * W$, holds true, then in which direction is N with respect to W?

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

Q7. If $C * T \# E @ F \# J ! K$ holds true, then in which direction is point T with respect to K?

- (a) North
- (b) South
- (c) Northeast
- (d) Northwest
- (e) None of these

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Directions (8-10): **Study the information carefully and answer the questions given below.**

Rahul starts his journey from point A, walks 10m towards North to reached at point B, then takes a right turn and walks for 5m to reach point C. From point C he takes a right turn and walks for 10m to reach at point D. From point D he takes a left turn and walks 2m to reach at point E, then takes a left turn again and walks 4m to reach point F. From point F, He walks 5m in west direction and reached point H.

Q8. What is the shortest distance between point H and A?

- (a) 4m
- (b) 10m
- (c) 11m
- (d) 15m
- (e) None of these

Q9. What is the total distance covered by Rahul from point A to point H?

- (a) 36m
- (b) 24m
- (c) 20m
- (d) 30m
- (e) 18m

Q10. In which direction point B with respect of D?

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

Directions (11-13): **Read the following information carefully and answer the given questions.**

Shivani covers 15 km distance by walking from point R to point S in south direction. She took a left turn and walks 24 km to reach at a point Q, she again took a left turn and covered 8km to reach at a point T. After walking 6 km towards the east from point T she reached at a point U, she took a final left turn and covered 5 km to reach at a point V.

Q11. If A is the midpoint of S and Q, what is the shortest distance between A to R?

- (a) 11m
- (b) 13m
- (c) 25m
- (d) 20m
- (e) None of these

Q12. What is the direction of point V with respect to R?

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

Q13. What is the shortest distance and direction of point U with respect to Q?

- (a) 15m, South-West
- (b) 12m, West
- (c) 10m, North-East
- (d) 13m, South-East
- (e) None of these

Direction (14-15): In the following questions, the symbols #, &, @ and \$ are used with the following meanings as illustrated below. Study the following information and answer the given questions:

Note: The directions which are given indicates exact directions.

P#Q - Q is in the south direction of P.

P@Q - Q is in the north direction of P

P&Q - Q is in the east direction of P.

P\$Q - Q is in the west direction of P.

P#&Q - Q or P is in the southeast direction of P or Q.

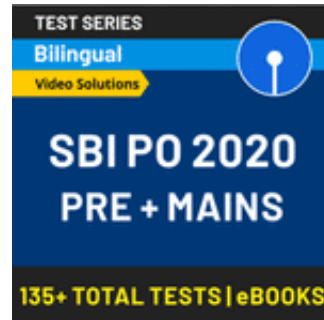
P@&Q - P or Q is in the northeast direction of Q or P.

Q14. If the expression 'A@D\$F#C&B, B#&A' is true, then what is the direction of point F with respect to B?

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

Q15. If the expression 'L\$R#U&T@V@&L, V\$X#L' is true, then what is the direction of X with respect to U?

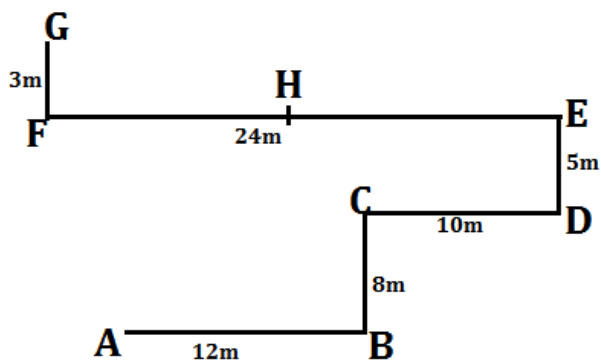
- (a) South-west
- (b) South
- (c) West
- (d) North-east
- (e) None of these



Solutions

Solution (1-3):

Sol.



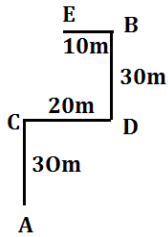
S1. Ans.(a)

S2. Ans.(e)

S3. Ans.(c)

Solutions (4-5):

Sol.

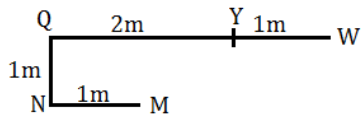


S4. Ans(c)

S5. Ans(a)

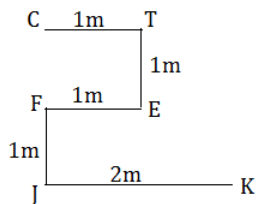
Solutions (6-7):

S6. Ans(a)



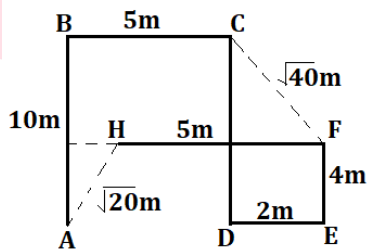
Sol.

S7. Ans(d)



Sol.

Solutions (8-10):



Sol.

S8. Ans(e)

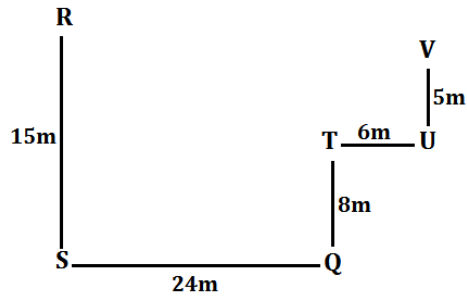
S9. Ans(a)

S10. Ans(a)

Solution (11-13):

Sol.





S11. Ans.(e)

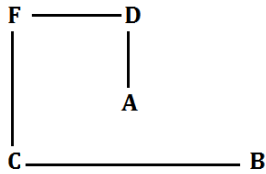
S12. Ans.(d)

S13. Ans.(c)

Solutions (14-15):

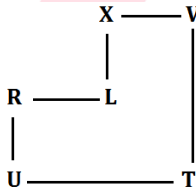
S14. Ans.(b)

Sol.



S15. Ans.(d)

Sol.



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