

Quiz Date: 12th March 2020

Directions (1-5): Study the following information carefully and answer the questions given below.

M&N (10)- M is 7m in north of N

M%N (25)- M is 22m in south of N

M@N (14)- M is 11m in east of N

M#N (8)- M is 5m in west of N

S%F(13), J&K(9), E%S(11), J#M(18), M&E(20), K#N(23)

Q1. What is the direction and shortest distance of point N with respect to point E?

- (a) 15m, South-west
- (b) $\sqrt{146}$ m, North-east
- (c) 20m, South-East
- (d) 13m, North
- (e) None of these

Q2. What is the direction of point M with respect to point N?

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

Q3. If Point Z is 12m south of point J then what is the direction of S with respect to Z?

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

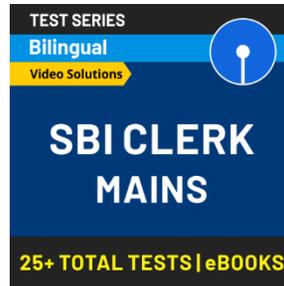
Q4. Four of the following five are alike in certain way based from a group, find the one that does not belong to that group?

- (a) M-K
- (b) N-S
- (c) F-K
- (d) S-K
- (e) N-E

Q5. If point L is south of point N and east of point E then what is the shortest distance between point M and point L?

- (a) 11m

- (b) 19m
- (c) $\sqrt{314}$ m
- (d) 18m
- (e) None of these



Directions (6-10): Each of these questions is based on the following information:

- (i) A & B means A is 8m west of B.
- (ii) A % B means A is 5m South of B.
- (iii) A * B means A is 6m North of B.
- (iv) A @ B means A is 7m East of B.

Q6. If the expression 'W&R@S*F@T*U' is true, what is the Shortest distance between R and T?

- (a) $6\sqrt{29}$ m
- (b) 9m
- (c) $6\sqrt{58}$ m
- (d) 7m
- (e) None of these

Q7. If the expression 'A@R*X&Z%Q@P' is true, what is the direction of A with respect to P?

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

Q8. If the expression 'Z*H%J@Y%T&R*L' is true, what is the Shortest distance between R and Z?

- (a) 5m
- (b) $\sqrt{19}$ m
- (c) 4m
- (d) $\sqrt{17}$ m
- (e) None of these

Q9. If the expression 'Y@U*T%N&M*G&H' is true, Four of the following five are alike in certain way based from a group, find the one that does not belong to that group?

- (a) U-N
- (b) M-H
- (c) Y-M
- (d) T-G
- (e) Y-H

Q10. If the expression T*Y&B@N@F@G%E' is true, what is the direction of T with respect to E?

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

Directions (11-13): Answer the questions on the basis of the information given below.

Point F is 5m east of point A. Point H is 7m south of point F. Point H is 9m west of point C. Point D is 11m south of point C. Point D is 17m east of point B. Point G is 10m north of point B. Point G is 3m west of point J. Point E is 4m north of point J.

Q11. In which direction point G with respect to point C?

- (a) West
- (b) Northwest
- (c) Southwest
- (d) East
- (e) None of these

Q12. Which of the following statement is true?

- (a) Point D is 12m east of point G.
- (b) Point E is 4m south of point A.
- (c) Point H is 15m northeast of point B.
- (d) Point E is 8m southwest of point F.
- (e) All are true.

Q13. What is the shortest distance between point H and point B?

- (a) 164m
- (b) $\sqrt{184}$ m
- (c) 176m
- (d) $5\sqrt{37}$ m
- (e) None of these

Directions (14-15): Study the following information carefully to answer the given questions.

Arun starts his journey from point C and goes 9km south then turns toward left. After goes 5km he turns toward right. After goes 10 km again turns toward right. After goes 4 km turns towards left. After goes 5 km turns toward right. After goes 6 km stops at D.

Q14. What is the shortest distance between point C and D?

- (a) 18 km
- (b) 20 km
- (c) 12 km
- (d) 10 km
- (e) 15 km

Q15. In which direction is point C with respect to D?

- (a) North
- (b) Northeast
- (c) South
- (d) Southeast
- (e) West



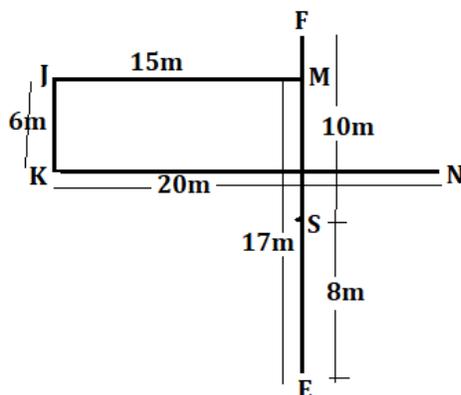
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Solutions

Solution(1-5):

Sol.



S1.Ans(b)

S2.Ans(d)

S3.Ans(c)

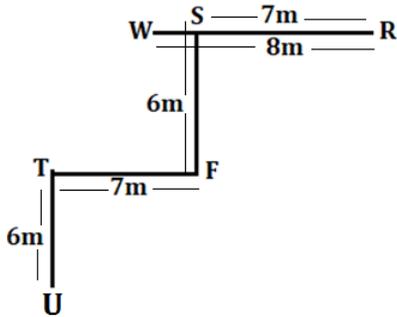
S4.Ans(d)

S5.Ans(c)

Solution(6-10):

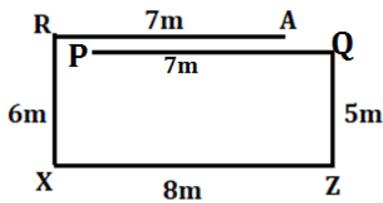
S6.Ans(e)

Sol.



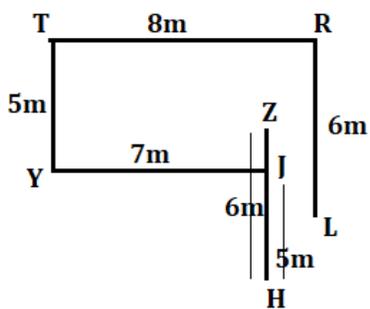
S7.Ans(e)

Sol.



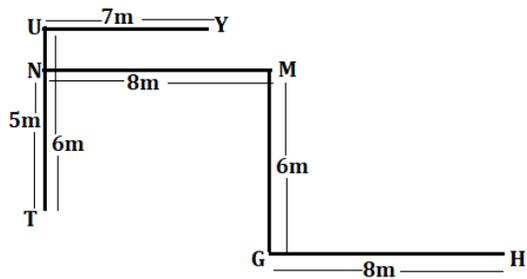
S8.Ans(d)

Sol.



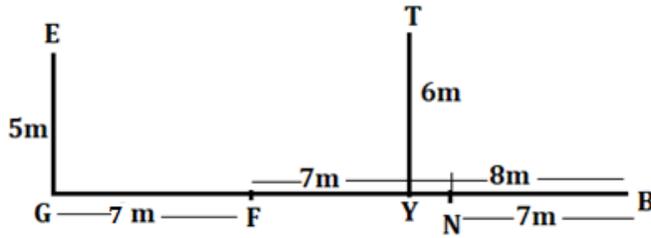
S9.Ans(a)

Sol.



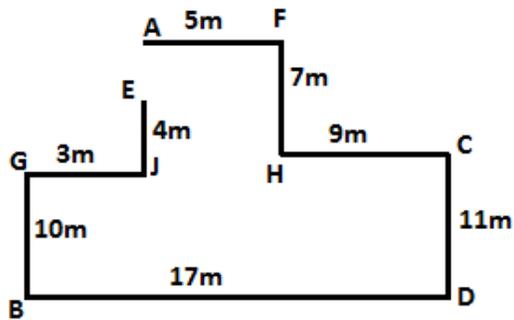
S10. Ans(d)

Sol.



Solutions (11-13):

Sol.



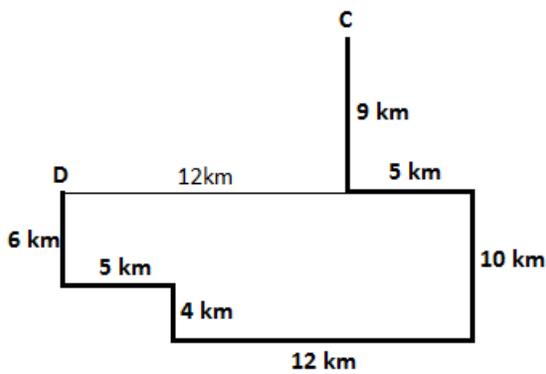
S11. Ans(c)

S12. Ans(b)

S13. Ans(e)

Solutions (14-15):

Sol.



S14. Ans(e)

S15. Ans(b)



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