Quiz Date: 9th April 2020

Directions (1–2): **Study the following information carefully and answer the questions which follow:**
From point H, Ankur starts to walk in north direction and covers a distance of 5 meters then after he takes a right turn and covers a distance of 4 meters and finally takes a left turn and covers a distance of 5 meters and reaches at point B. From point A, Harsh starts to walk in south direction and covers a distance of 10 meters then he takes a left turn and covers a distance of 16 meters and reaches at point B.

Q1. Point H is in which direction from Point A?
(a) East
(b) South
(c) North
(d) South-east
(e) South-west

Q2. Point H is in which direction with respect to Point B?
(a) North-West
(b) North
(c) South-East
(d) South
(e) South- West

Q3. From my house, I starts to walk in east direction and covers a distance of 14 meters then takes a move to south and covers a distance of 20 meters and again takes a move to west and covers a distance of 9 meters and finally I moves to north and covers a distance of 8 meters and reaches to my friend's house. My friend's house is in which direction from my house?
(a) South
(b) East
(c) South-west
(d) South-east
(e) North-west

Directions (4-5): **Each of the following questions is based on the following information:**
A # B means B is at 1 metre to the right of A.
A $ B means B is at 1 metre to the North of A.
A * B means B is at 1 metre to the left of A.
A @ B means B is at 1 metre to the south of A.

Q4. According to X @ B * P, P is in which direction with respect to X?
(a) North
(b) South
(c) North-East

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

Q5. According to M # N $ T, T is in which direction with respect to M?
(a) North-West
(b) North-East
(c) South-West
(d) South-East
(e) None of these

Direction (6-10): **Study the following information to answer the given questions below:**
Adarsh starts walking in north direction from point G. After walking for 7m he reaches point F, then takes a left turn and stops at point E after walking 10m. Point P is North of Point B and also West of Point E. Arun starts walking in east direction from point A. After walking for 16m he reaches point B. From B he takes right turn and walks for 13m to reach point C. Then he takes left turn and walks 15m to reach point D. Again, he takes left turn and walks for 20m to reach point E and stop. Aman starts from P and walks for 16m in west direction to reach point Q which is north of point A.

Q6. What is the shortest distance between G and B?
(a) 13m
(b) 15m
(c) 25m
(d) 10m
(e) 7m

Q7. What is the shortest distance between P and B?
(a) 13m
(b) 18m
(c) 9m
(d) 10m
(e) 7m

Q8. Point A is in which direction with respect to point F ?
(a) North
(b) South
(c) Northwest
(d) Northeast
(e) Southwest

Q9. If R is the mid-point of line PC then, R is in which direction with respect to point G?
(a) East
(b) South-east
(c) South-west
(d) North-east

(e) North-west

Q10. Point A is in which direction with respect to point G ?
(a) North
(b) South
(c) west
(d) Northeast
(e) Southwest

Direction (11-12): **Study the following information and answer the following questions.**
Point X is 7m south of point Q. Point S is 12m east of point Q. A person starts walking from point S in north direction and after walking 10m he reached at point Y. From point Y he takes a left turn and walk 5m, then take a left turn and walk 3m and reach shopping complex.

Q11. Find out the shortest distance between point X to point S?
(a) 5m
(b) 13m
(c) 20m
(d) 25m
(e) None of these

Q12. What is the direction of shopping complex with respect to point X?
(a) South-West
(b) North-East
(c) South
(d) North
(e) North-West

Direction (13-15): **Study the given information and answer the following question.**
A person starts walking in east direction from point X, after walking 7m he reached at point A, then he takes left turn and walks some distance to reach at point Y. From point Y he walks in north direction and walks 12m to reach at point M. Point N is 5m west of point Y. Distance between point M and Y is half of distance between Point Y and A.

Q13. What is the shortest distance between point X and point Y?
(a) 25m
(b) 15m
(c) 20m
(d) 17m
(e) None of these

Q14. What is the direction of point M with respect to N?
(a) North
(b) North-east

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

Q15. A person starts from point N, walks 9m in east direction and reaches point B. He takes a left turn, walks 3m and reaches point K. Find the shortest distance between point K and point Y?
(a) 3m
(b) 7m
(c) 12m
(d) 5m
(e) None of these

Solutions

Solutions (1-2):
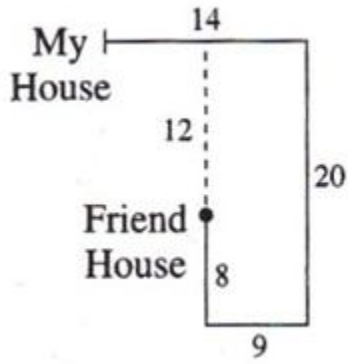
North

A

10

West

16

B

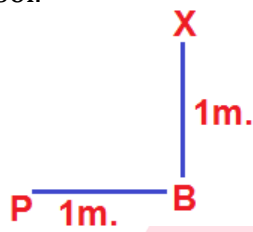East

5

5

4
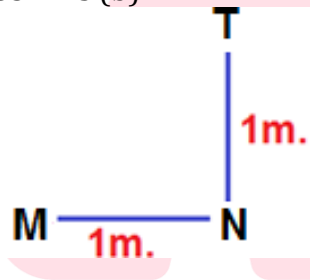
5

H
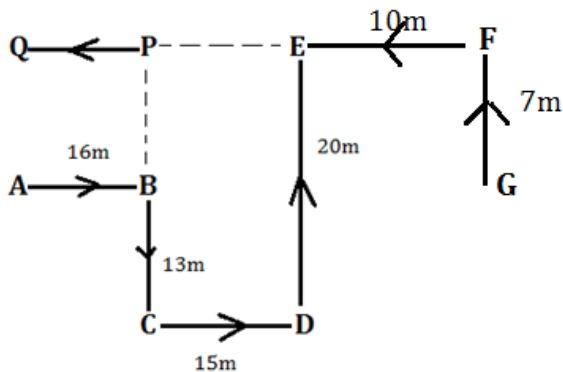
South
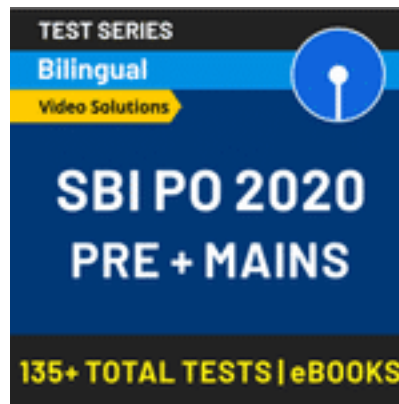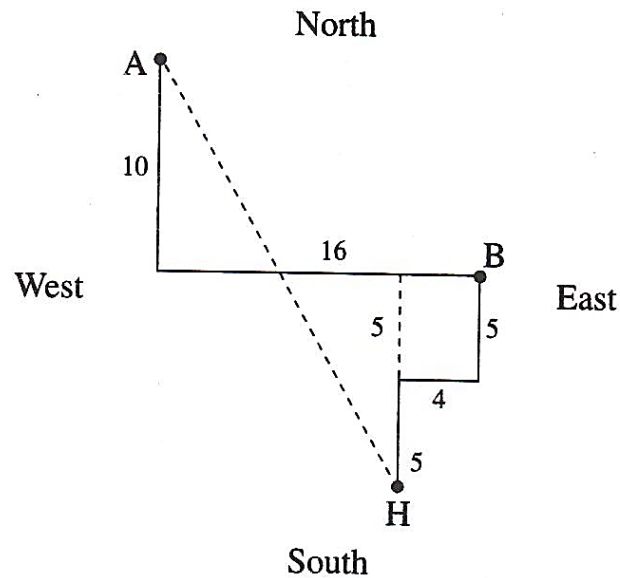
S1. Ans.(d)
S2. Ans.(e)

S3. Ans.(d)

Solutions (4-6):
S4. Ans.(d)
Sol.

S5. Ans.(b)

Solutions (6-10):
Sol.

S6. Ans (c)
S7.Ans.(e)
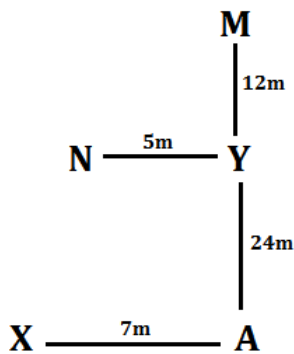S8.Ans.(e)
S9.Ans.(c)

S10.Ans.(c)

Solutions (11-12):
Sol.

```
                5m  Y
         3m ┌──┐
            │    │10m
      Q ────────┐ S
      │   12m
    7m│
      X
```
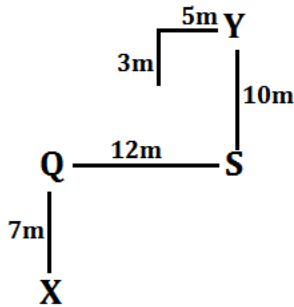
S11. Ans.(e)
S12. Ans.(b)

Solutions (13-15):
Sol.

```
              M
              │
              │12m
     N ──5m── Y
              │
              │24m
     X ──7m── A
```

S13. Ans.(a)
S14. Ans.(b)
S15. Ans.(d)

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