Quiz Date: 25 ${ }^{\text {th }}$ March 2020
Directions (1-2): Study the information given below carefully and answer the questions that follow:
Dinesh is facing south direction and walked 50 m , then turn his left and walks 30 m . From this point, he turned towards North and walked for 30 m to reach his friend's house. To return to his house he turned left and walked 30 m from his friend's house.

Q1. 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

Q2. In which direction is his friend's house from Dinesh's house?
(a) East
(b) West
(c) South
(d) North
(e) None of these

Q3. 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 (4-5): Study the following information and answer the questions given: Ravi walked 5 m towards north from point A and reached point B. He took a right turn from point $B$ and walked 7 m and reached point $C$. He took another right turn from point $C$ and walked 6 m to reach point D. Ravi took a right turn from point D and walked 3 m to reach point E. From point E, Ravi took another right turn and walk 6 m and reached point F

Q4. Point F is in which direction with respect to point to A ?
(a) North
(b) South
(c) South-east
(d) South-west
(e) North-east

Q5. Point E is in which direction with respect to point to C ?
(a) North
(b) South
(c) South-east
(d) South-west
(e) None of these


Directions (6-8): Each of the following questions is based on the following information:
$A$ \# B means $B$ is at 1 m to the east of $A$.
$A \$ B$ means $B$ is at 1 m to the North of $A$.
$A * B$ means $B$ is at $1 m$ to the west of $A$.
$A @ B$ means $B$ is at 1 m to the south of $A$.

Q6. If the expression 'P@R*Q@S\#T', holds true, then in what is the direction and distance of T with respect to P?
(a) 2 m , North
(b) 3 m , West
(c) 1 m , South
(d) 2 m , South
(e) Can't determine

Q7. If the expression $\mathbf{~} \mathbf{K} \# \mathbf{L} @ \mathbf{M} \mathbf{N}^{\mathbf{N}} \mathbf{*} \mathbf{0} \mathbf{\$} \mathbf{P}^{\prime}$ ' holds true, then in which direction is point $\mathbf{M}$ with respect to P?
(a) North
(b) South-East
(c) West
(d) South
(e) North-West

Q8. Which of the following expression shows 'L is North-West of G?
(a) L\#H@M\#G
(b) G\#M@L@H
(c) H\$G\#M@L
(d) $\mathrm{L} \# \mathrm{H} \$ \mathrm{M}^{*} \mathrm{G}$
(e) None of these

Directions (9-10): Study the information and answer the given questions:
A person starts walking from point A towards north and walk 10 m , then turn right and walks 8 m , from there he walks 6 m north and reach point $B$. From point $B$ he walks 3 m left
and 4 m right respectively and reach point D . From point D he turns left and walk 12 m and then take a left turn and walks 17 m to reach final point E .
Q9. What is the shortest distance in between initial point and final point?
(a) 14 m
(b) 10 m
(c) 4 m
(d) 5 m
(e) None of these

Q10. What is the direction of point $D$ with respect of point $A$ ?
(a) North-East
(b) South
(c) South-West
(d) North
(e) West

Directions (11-15): Study the following information and answer the questions given below:
There are $A B$ axis in such a way that $A$ is north of $B$. There is $X Y$ axis in such a way that $X$ is in west of $Y$. $A B$ axis and $X Y$ axis intersect at a point $Q$ in such a way that $A Q$ is $11 \mathrm{~m}, Q B$ is $10 \mathrm{~m}, \mathrm{QX}$ is $9 \mathrm{~m}, \mathrm{QY}$ is 8 m .
Harsh starts from point A and walks 5 m in south direction to reach point J and then turns to his left and walks 8 m to reach point M . Dheeraj starts from point Y walks towards point M and walks 11 m to reach point O and then turns left and walks 17 m to reach point N .
Swati starts from point X and walks in south direction 7 m to reach point P and turns to her left and walks 2 m and again turns to her left and walks 4 m to reach point $R$.

Q11. Point $M$ is in which direction with respect to Point $B$ ?
(a) south
(b) south-east
(c) south-west
(d) west
(e) north-east

Q12. Harsh's Initial position is in which direction with respect to Swati's Final position?
(a) north
(b) east
(c) north-east
(d) north-west
(e) southwest

Q13. Which of the following points are in straight line with each other?
(a) M, O, J
(b) M, O, A
(c) J, Q, X
(d) A, J, Q
(e) None of these

Q14. What is the shortest distance between point M and point Q ?
(a) 11 m
(b) 12 m
(c) 13 m
(d) 9 m
(e) None of these

Q15. Dheeraj initial position is in which direction with respect to Harsh initial position?
(a) south
(b) North-west
(c) south-east
(d) South-west
(e) North


Solutions (4-5):
Sol.


S4. Ans.(e)
S5. Ans.(d)

## Solutions (6-8)

S6. Ans.(d)
Sol.


S7. Ans.(b)
Sol.


S8. Ans.(a)
Sol.


Solutions (9-10):
Sol.


S9. Ans.(e)
S10. Ans. (a)
Solutions (11-15):
Sol.


S11. Ans.(e)
S12. Ans.(c)
S13. Ans.(d)
S14. Ans.(e)
S15. Ans.(c)


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