Quiz Date: 7th August 2020

Directions (1-4): Study the information carefully and answer the questions given below.
Point A is 10m south of point E. Point D is 10m north of point I. Point G is 8m west of point I. Point F is 20m north of point G. Point A is 4m east of point H. Point C is 16m north of point H. Point B is 12m west of point D. Point F is east of point C and the distance between them is half of the distance between Point H and Point A.

Q1. What is the shortest distance between B and E?
(a) 18m
(b) $\sqrt{52}$m
(c) $\sqrt{50}$m
(d) 21m
(e) None of these

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

Q3. 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) A-D
(b) B-C
(c) G-D
(d) I-A
(e) H-D

Q4. If point S is 11m south of point F then in which direction of Point S with respect to point D?
(a) West
(b) South-west
(c) North
(d) East
(e) North-east

Q5. Mohan started walking from point A to reach point B, which is 10 km east of A. Point C is 4 km south to B. Point E is 2 km east of F, which is 6km north to D. Point D is 5km to east of C. What is the shortest distance between point E and point C?
(a)20
(b)10
(c)√75

(d)√85
(e)None of these

Direction (6-7): Read the information carefully and answer the question:
Point M is 7m south of point Q. Point F is 7m east of point I. Point H is 5m north of point N. Point L is 12m south of point I. Point N is 4m east of point L. Point Q is 6m east of point H.

Q6. If point X is 3m west of Point F, then what is the shortest distance between point X and H?
(a) 7m
(b) 9m
(c) 6m
(d) 8m
(e) None-of-these

Q7. In which direction point N with respect to point M?
(a) East
(b) North
(c) South east
(d) West
(e) North west

Directions (8-10): Study the following information carefully and answer the questions given below:
Point A is 6m west of point B, which is 8m south of point F. Point D is 26m east of point C. Point G is 15m west of point H. Point C is 5m north of point A. Point H is 17m north east of point F. Point D is 10m south of point E.

Q8. What is the shortest distance between point G and point F?
(a) 16m
(b) 10m
(c) √5m
(d) 8m
(e) None of these

Q9. What is the direction of point E with respect to point B?
(a) North-east
(b) South
(c) North
(d) West
(e) None of these

Q10. What is the shortest distance and direction of point G with respect to point B?
(a) 18m, South-west
(b) 15m, South
(c) 16m, North

(d) 20, North-west
(e) None of these

Directions (11-12): Study the following information to answer the given questions.
Point Q is 15m east of point P. Point U is 6m south of point V. Point R is 18m west of point S. Point Q is 12m north of point R. Point S is 6m south of point T, which is 8m east of point U.

Q11. What is the direction of point P with respect to point T?
(a) South-West
(b) North-East
(c) North-West
(d) South-East
(e) None of these

Q12. What is the shortest distance between point U to point R?
(a) 8m
(b) 7m
(c) 12m
(d) 10m
(e) None of these

Direction (13-15): Study the given information and answer the following question.
Point A is 13m west of point B. Point D is 4m south of point B. Point C is east of 9m of point M. Point T is 12m west of point D. Point Y is 16m north of point C. Point Y is 2m west of point A.

Q13. What is the shortest distance between Y and T?
(a) $\sqrt{18}$m
(b) 5m
(c) 7m
(d) 2m
(e) 2m

Q14. Point Y is in which direction with respect to D?
(a) North-East
(b) East
(c) West
(d) North-West
(e) None of these

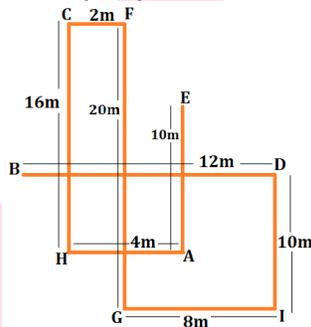Q15. If Point K is 3m east of point C then what is the shortest distance between Point T and Point K?
(a) 18m
(b) 12m
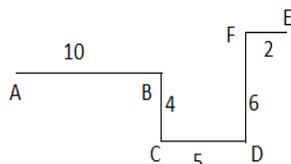(c) 9m

(d) 7m
(e) None of these

Solutions

Solution(1-4):

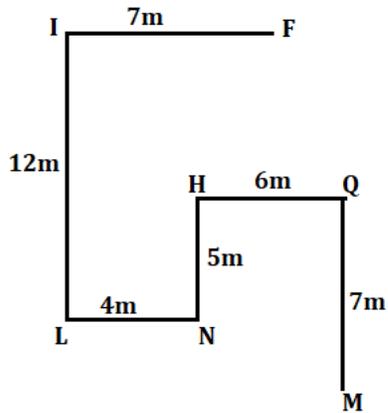Sol.
S1.Ans(b)
S2.Ans(b)
S3.Ans(d)
S4.Ans(b)

S5.Ans.(d)
Sol.
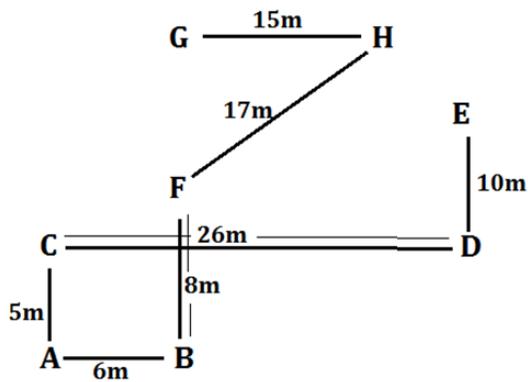

$\sqrt{7^2 + 6^2}$
$= \sqrt{85}$ km

Solutions (6-7):
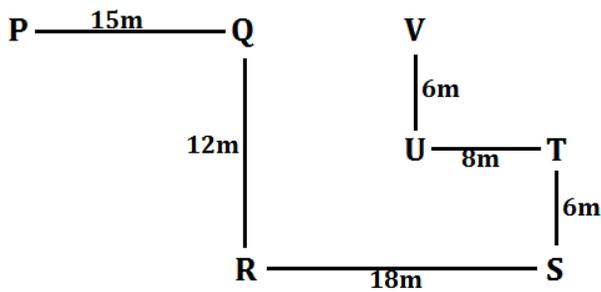
Sol.

S6.Ans(a)
S7.Ans(e)

Solutions (8-10):
Sol.

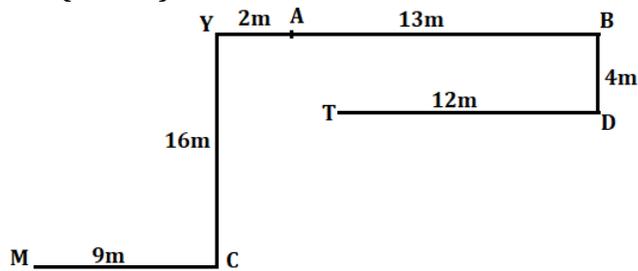S8. Ans.(d)
S9. Ans.(a)
S10. Ans.(c)

Solutions (11-12):
Sol.

S11. Ans.(c)
S12. Ans.(e)

Solution (13-15):

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        Y   2m   A        13m              B
                                           
                                           |4m
              T ——————— 12m ——————————— D
        16m
        
   M ——— 9m ——— C
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Sol.

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

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