

OICL AO Mains 2026 Reasoning Memory Based (28 feb 2026) Quiz Part B

**Q.1 What is the shortest distance between point A and point D?**

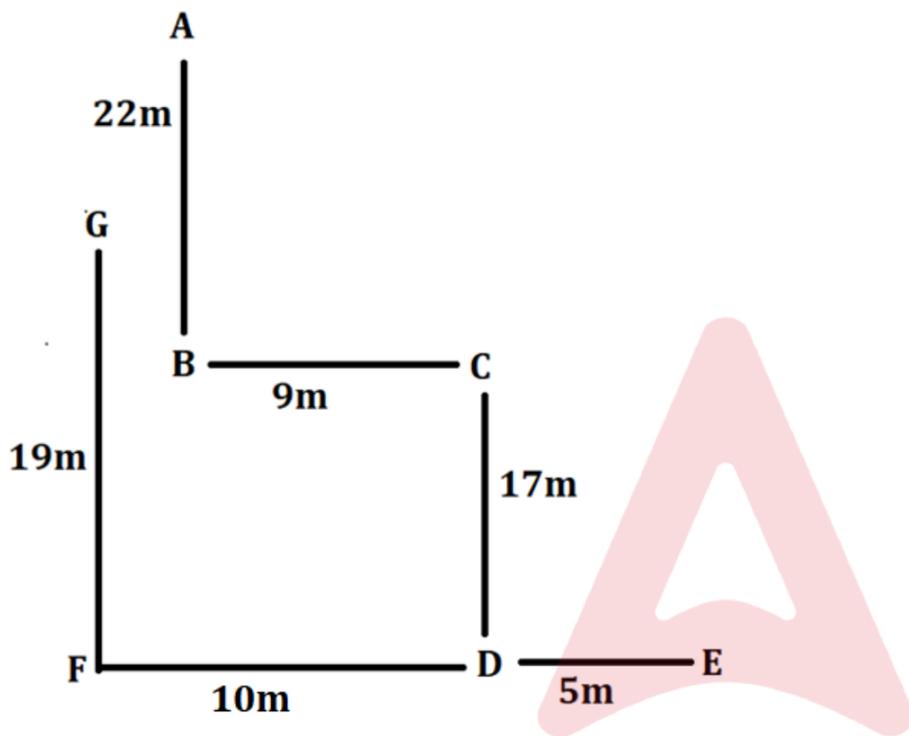
Study the following information carefully and answer the questions given below:

Point A is 22m north of point B. Point D is 17m south of point C. Point F is 15m west of point E. Point G is 19m north of point F. Point C is 9m east of point B. Point E is 5m east of point D.

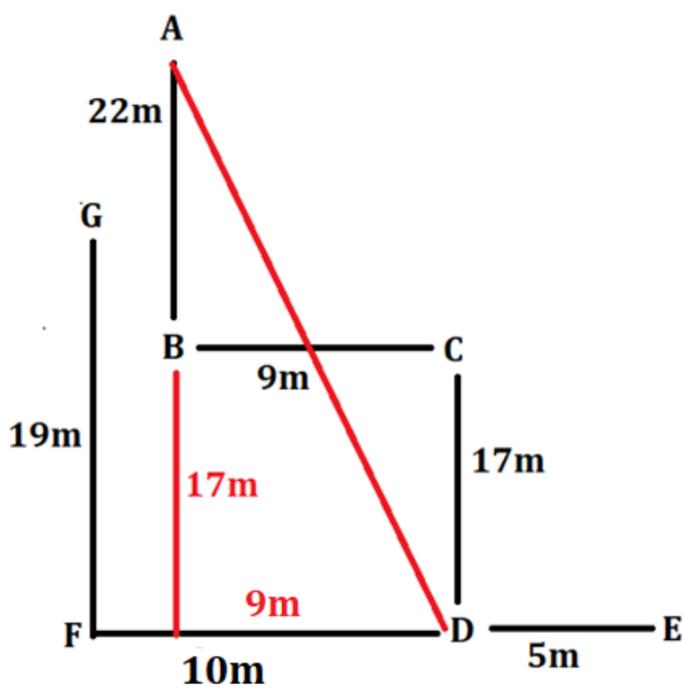
- A. 40m
- B. 42m
- C.  $\sqrt{1585}$  m
- D. 39m
- E.  $\sqrt{1602}$  m

**Answer:** E

**Sol:** Sol.



Sol.  
 Base= 9m  
 Perpendicular= 39m  
 Shortest distance  
 $= \sqrt{(39^2 + 9^2)}$   
 $= \sqrt{(1521 + 81)}$   
 $= \sqrt{1602}$  m



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**Q.2 Four of the following five are alike in a certain way and thus form a group. Find the one pair which doesn't belong to the group?**

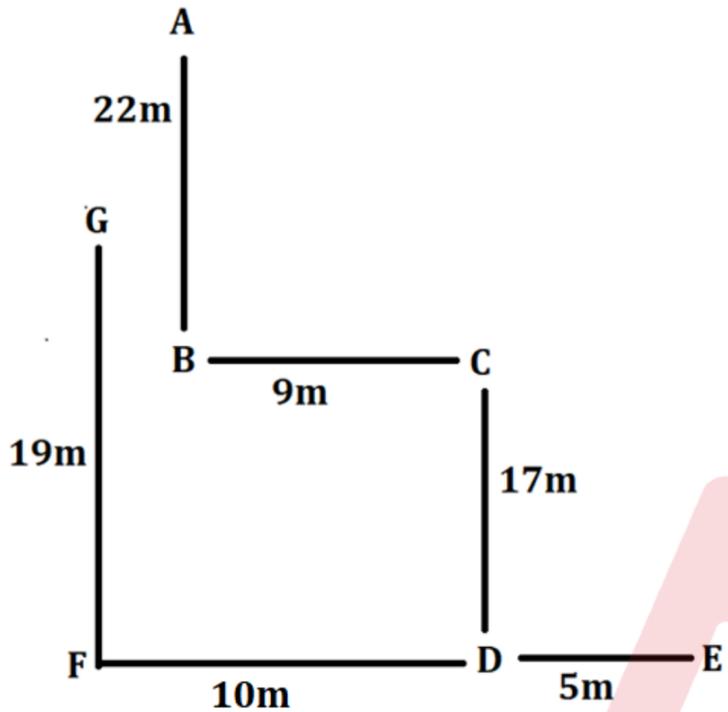
Study the following information carefully and answer the questions given below:

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- A. AC
- B. GB
- C. CE
- D. BE
- E. BF

**Answer:** E

**Sol:** Sol.



Except BF, First point is to the north-west of second point.  
Hence, BF doesn't belong to the group.



**Q.3 In which direction is point F with respect to point A?**

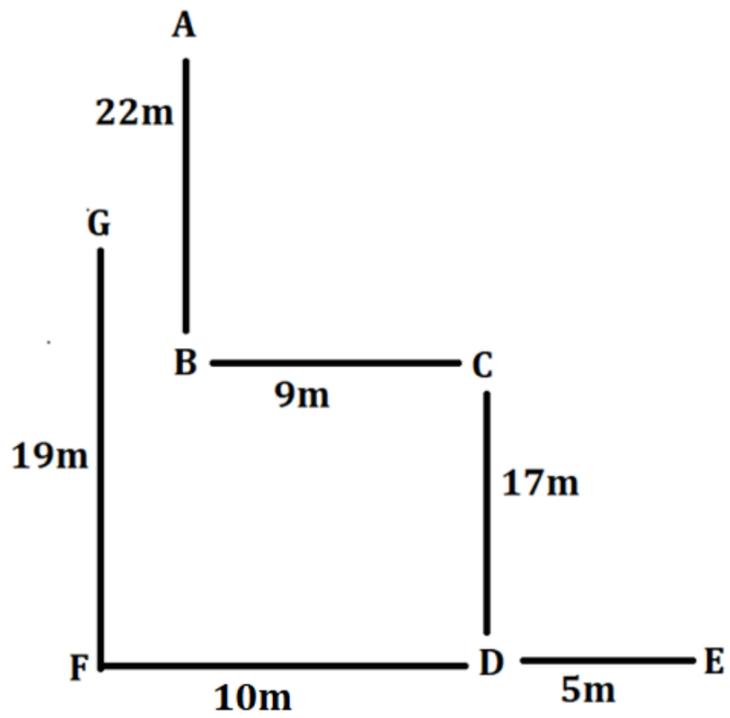
Study the following information carefully and answer the questions given below:

Point A is 22m north of point B. Point D is 17m south of point C. Point F is 15m west of point E. Point G is 19m north of point F. Point C is 9m east of point B. Point E is 5m east of point D.

- A. South-west
- B. North-west
- C. South-east
- D. North-east
- E. West

**Answer:** A

**Sol:** Sol.



Point F is to the south-west of Point A.

**Q.4** Statements:  $H > S > U = Z > N \leq J = Q > M$

Conclusion: I:  $Z < H$  II:  $Q > U$

In this question, relationship between different elements is shown in the statements. The statements are followed by two conclusions.

Give answer:

- A. If only conclusion I true
- B. If only conclusion II true
- C. If either conclusion I or II true
- D. If neither conclusion I nor II true
- E. If both conclusions I and II true

**Answer:** A

**Sol:** I:  $Z < H$  (true) II:  $Q > U$  (false)

**Q.5** Statements:  $H > M \geq X = C \leq Q \geq V \geq T > L$

**Conclusions:**

I.  $H > C$

II.  $Q > L$

**In this question, relationship between some elements is shown in the statements. The statements are followed by two conclusions numbered I and II. Read the statement and give answer.**

- A. If only conclusion I is true
- B. If only conclusion II is true
- C. If either conclusion I or II is true
- D. If both conclusion I and II are true
- E. If neither conclusion I nor II is true

**Answer:** D

**Sol:** I.  $H > C$  (True)  
II.  $Q > L$  (True)

