

QUESTION: A team of surveyors set out to get data about the positioning of the towns A, B, C, D, E F, relative to each other. They finally arrived at the following results.

A is north of E and west of C.

B is north of A and west of F.

D is south and east of A.

E is north of F and west of D.

F is south of D and east of A.

C is south of F and east of D.

Which if the following can be situated both south and west of at least one other?

OPTIONS:

- a) A and E
- b) A and F
- c) D and F
- d) A only

SOLUTION: A, B and E can be at the farthest West, thus they can interchange their places in the East-West direction. But B is at the farthest north. There is no such restriction on A and E. Thus A & E can be situated both south and west of at least one other. Hence the answer is (A).