

Puzzle:

Two or more essences out of a stock of five essences A, B, C, D, and E are used in making all perfumes by a manufacturer. He has learned that for a blend of essences to be agreeable it should comply with all the rules listed below.

A perfume containing A, should also contain the essence C, and the quantity of C should be twice as that of A.

A perfume containing B, must also have D as one of its components and they should be in equal proportion.

A single perfume should never contain C as well as D.

D and E should not be used together.

A perfume containing the essence E should contain E in such a proportion that the total amount of E present should be greater than the total amount of the other essence or essences used.

1. Among the following which is an agreeable formula for a perfume?

- A) One part A, one part E
- B) Two parts B, two parts A
- C) Three parts C, three parts A
- D) Four parts D, four parts B
- E) Five parts E, five parts B

Ans : D

2. Adding more amount of essence C will make which of the following perfumes agreeable?

- A) One part A, one part C, five parts E
- B) Two parts B, two parts C, two parts E
- C) One part B, one part C, one part E
- D) Two parts B, one part C, four parts E
- E) Two parts C, one part D, three parts E

Ans : A

3. Among the following, the addition of which combination would make an unagreeable perfume containing two parts C and one part E agreeable?

- A) One part A
- B) One part B
- C) Two parts C
- D) One part D
- E) Two parts E

Ans : E

4. Among the following which combination cannot be used together in an agreeable perfume containing two or more essences?

- A) A and B
- B) A and N
- C) A and E
- D) B and D
- E) E and C

Ans : A

5. Among the below mentioned formulas, which can be made agreeable by the eliminating some or all of one essence ?

- A) One part A, one part B, one part D, four parts E
- B) One part A, two parts C, one part D, four parts E
- C) One part A, one part B, one part D, one part E
- D) Two parts A, two parts C, one part D, two parts E
- E) Two parts B, one part C, two parts D, three parts E

Ans : B