Statistics - ICS Part 1 Statistics Chapter 6 Short Questions Preparation

Q1. A person has three suits, five shirts and six ties. In how ways can be wear a suit, a shirt and a tie.

Ans 1: The person can werar a suit, a shirt and a tie in 3 x 5 x 6 = 90 ways.

Q2. What is Venn diagram.

Ans 1: A Venn diagram represents the relationship between the sets. In such a diagram, the unviversal set is represented by a rectangle and subsets are represented by circles inside the rectangle.

Q3. Define event.

Ans 1: Any subject of the sample space is called event.

Q4. Define mutually exclusive events.

Ans 1: Two events A and B are said to be mutually exclusive if they can not occur together i.e $A \cap B = \theta$

Q5. Define set and a subset.

Ans 1: Set is a well-defined list or collection of objects. The objects in a set, called the elements or members of the set, may be numbers, people , letters, books, etc. If every element of a set A is also an element of set B , then A is a subset of B.

Q6. Define probability?

Ans 1: Probability is the measure of uncertainty.

Q7. A bag has five coins each of different denomination. How mnay differnet sums of money cna be formed.

Ans 1: Different sums of money taking 1,2,3,4 or 5 at a time out of five distinct coins of denomination one, two, three, four and firve .

Q8. Define Permutation.

Ans 1: An arrangement of finite number of objects in a definite order is called Permutation of these objects.

Q9. Distinguish between permutation and combination.

Ans 1: A permutation is an ordered arrangement of objects,whereas a combination is an arrangement without regard to their order.

Q10. What do you mean by not mutually exclusive events?

Ans 1: If two events can occur together then these events are said to be not mutually exclusive events.