

## Statistics - ICS Part 2 Statistics English Medium Chapter 2 Short Questions Preparation

Q1. What is meant by sampling distribution?
Ans 1:
Q2. What is meant by standard error of a statistic ?
Ans 1:
Q3. A sampling distribution is generally studied with respect to three difference aspects. Name these aspects.
Ans 1: These are (i) Its Expectation (ii) its dispersion (iii) its shape.
Q4. What is stratified sampling ?
<b>Ans 1:</b> It is a sampling scheme in which proportionate number of sampling elements are randomly selected from different strata's or groups of a heterogeneous population.
Q5. How many samples of size n can be drawn form a population having N elements when sampling is done without replacement?
Ans 1:
Q6. What is simple random sampling ?
Ans 1: The sampling scheme in which each element / group of elements of the population has an equal chance of selection for the sample.
Q7.
Ans 1:
Q8. What is the meant by proportion ?
<b>Ans 1:</b> It is the ratio of number of elements possessing a given characteristic in the population or sample to the total number of elements in the population or sample.

Q9. What is sampling error? How can we reduce this error?

**Ans 1:** It is the difference between a statistic and respective parameter. It can be reduced by employing better technique, supervision, randomness and increasing the sample size.

Q10. What is meant by sampling without replacement?

Ans 1: A scheme in which elements can be selected more than once.