

## Statistics - ICS Part 1 Statistics Chapter 1 Short Questions Preparation

Q1. Differentiate between parameter and statistics.

**Ans 1:** Parameter: A value calculated from the population is called parameter

**Ans 2:** Statistic: a value calculated from the sample is called statistic

Q2. Define Parameter and Statistics.

**Ans 1:** Parameter: It is a quantity computed from the population.

**Ans 2:** Statistics: It is a quantity computed from the sample.

Q3. Define statistics in singular sense.

**Ans 1:** In singular sense, statistics is a science which deals with collection, organization, summarization, analysis and interpretation of numerical data.

Q4. Write Four functions of statistics.

**Ans 1:** 1- Statistics simplifies complexities.

**Ans 2:** 2- Statistics presents facts in a definite form

**Ans 3:** 3- Statistics aids forecasting

**Ans 4:** 4- Statistics studies relationship among different facts.

Q5. Differentiate between parameter and statistics.

**Ans 1:** Parameter: A value calculated from the population is called parameter.

**Ans 2:** Statistics: A value calculated from the sample is called statistics.

Q6. Differentiate between quantitative and qualitative data.

**Ans 1:** Data which can be described by a quantitative variable such as height, age, weight, etc. are called quantitative data.

**Ans 2:** Data which can be described by a qualitative variable such as marital status, sex, religion, etc, are called qualitative data.

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Q7. Define the term statistics.

**Ans 1:** Statistics are the facts and figures systematically and purposefully collected.

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Q8. What is the aim of collecting numerical data for a statistical study.

**Ans 1:** Numerical data are collected from the universe under study. Inferential statistics is concerned with drawing conclusions about the population or universe obtained from the sample.

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Q9. What is meant by continuous variable?

**Ans 1:** A continuous variable is one that can take all possible values in an interval on the number line.

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Q10. Define Inferential statistics.

**Ans 1:** The statistical methods used to draw conclusions about population on the basis of sample are called inferential statistics.

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