

## Statistics - ICS Part 2 Statistics English Medium Chapter 6 Short Questions Preparation

Q1. What is meant by a Noise ?

**Ans 1:** The irregular component of a time series is known as "Noise".

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Q2. What is meant by a signal ?

**Ans 1:** The regular component of a time series is known as "Signal".

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Q3.

**Ans 1:**

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Q4.

**Ans 1:**

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Q5.

**Ans 1:**

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Q6.

**Ans 1:**

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Q7. What are the demerits of moving average method ?

**Ans 1:** It generates new cycles; fails to give a mathematical model for forecasting; some data are lost in the beginning and end.

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Q8. What is meant by a time series ?

**Ans 1:** Data recorded with respect to time of occurrence is known as Time Series.

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Q9. Giver at least one example for each component of time series.

- Ans 1:**
1. Secular Trend: Population Control and process of industrialization.
  2. Cyclical: Business Cycle and Fashion cycle.
  3. Seasonal: Eid's and Budgets.
  4. Irregular: Floods and Accidents.
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Q10. What are the basic components of time series ?

- Ans 1:**
- i. Secular Trend.
  - ii. Cyclical Variation.
  - iii. Seasonal Variation.
  - iv. Irregular Variation.
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