

## Unit 10: Time Series

1. Which of the following is an example of time series problem?

1. Estimating number of hotel rooms booking in next 6 months.
2. Estimating the total sales in next 3 years of an insurance company.
3. Estimating the number of calls for the next one week.

1 and 2

2 and 3

1 and 3

1,2 and 3

2. \_\_\_\_\_are used in strategic planning

Long-term forecasts

Short term forecasts

Medium term forecasts

None of the above

3. \_\_\_\_\_are needed for the scheduling of personnel, production and transportation

Long-term forecasts

Short term forecasts

Medium term forecasts

None of the above

4. \_\_\_\_\_are needed to determine future resource requirements, in order to purchase raw materials, hire personnel, or buy machinery and equipment.

Long-term forecasts

Short term forecasts

Medium term forecasts

None of the above

5. A \_\_\_\_\_ is a sequence of data points that occur in successive order over some period of time.

Time series

Forecasting

Planning

None of these

6. \_\_\_\_\_methods using time series are used in both fundamental and technical analysis.

Time series

Forecasting

Planning

None of these

7. \_\_\_\_\_data is seen as the opposite of time series.

Cross-sectional

Planning data

Short term data

None of these

8. \_\_\_\_\_analysis looks at data collected at a single point in time, rather than over a period of time.

Cross-sectional

Planning data

Short term data

None of these

9. A \_\_\_\_\_ when there is a long-term increase or decrease in the data

Trend

Cyclic

Seasonal

All of these

10. These are the rhythmic forces which operate in a regular and periodic manner over a span of less than a year

Trend

Cyclic

Seasonal variations

All of these

11. This oscillatory movement has a period of oscillation of more than a year.

Trend

Cyclic

Seasonal variations

All of these

12. Seasonal and Cyclic Variations are \_\_\_\_\_

Short-term  
fluctuations.

Long term fluctuations.

Both of these

None of these

13. A \_\_\_\_\_ is a smooth, general, long-term, average tendency

Trend

Cyclic

Seasonal variations

All of these

14. It is the simplest and most flexible method for estimating a trend.

Freehand method

Method of Semi  
averages

Method of least  
squares

None of these

15. The \_\_\_\_\_ is a standard approach in analysis to approximate the solution of over determined systems by minimizing the sum.

Freehand method

Method of Semi  
averages

Method of least  
squares

None of these