Quantitative Technique-2013

Section-'A' (Objective Type Questions)

Note: Attempt any five questions. All questions carry equal marks. Select the right answer.

1. Choose the correct answer:

   (i) Statistics:
   - (a) Is an art
   - (b) Is a science
   - (c) Is both a science and art
   - (d) None of the above

   (ii) The Sources of data are:
   - (a) Primary data
   - (b) Secondary data
   - (c) Primary & Secondary data
   - (d) None of these

   (iii) Which of the following is not a measure of central Tendency:
   - (a) Mean
   - (b) Median
   - (c) Standard Deviation
   - (d) Mode

   (iv) Which one of the following is not a kind of statistical series:
   - (a) Individual
   - (b) Discrete
   - (c) Classified
   - (d) Signed

   (v) The measurement based on all values of the series:
   - (a) Range
   - (b) Standard Deviation
   - (c) Quartile Deviation
   - (d) All of the above

   (vi) Moving Average is a method of:
   - (a) Correlation
   - (b) Regression
   - (c) Time Series
   - (d) None of these

   (vii) Which one of the term is not related with forecasting:
   - (a) Prediction
   - (b) Projection
   - (c) Forecast
   - (d) Perfect

   (viii) The more sales in a market at the occassion of a festival is related with:
   - (a) Trend value
   - (b) Seasonal variations
   - (c) Cyclical fluctuation
   - (d) Irregular fluctuation

Section-'B' (Short Answer Type Questions)

Note: Attempt any three questions. All questions carry equal marks.

2. Define statistics and explain its characteristics.

3. What is meant by dispersion? What are the various methods of measuring dispersion.

4. State the importance of Time Series.

5. Discuss the limitations of business forecasting.

6. What is the meaning of Index number. State any two limitations of Index number.

Section-'C' (Long Answer Type Questions)

Note: Attempt any three question. All questions carry 7 marks.

7. Define statistics. Explain the importance of Statistics in Trade. Business and Commerce.

8. Calculate standard Deviation and its coefficient from the following data:

Class	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	12	18	35	42	50	45	20	8

9. What is time series. Explain its components?

10. "The success of a business depends largely on the success of forecast". In what ways statistical techniques help a trader in forecasting? Explain.

11. Below are given the figures of sales of a factory.

Year	1999	2000	2001	2002	2003
Sales	4	5	7	9	10

(In tons)

Calculate trend value by least square method and alos estimate the sale for the year 2013.