Bachelor of Business Administration - Semester 1

BB 0035/BBA 104: 'Quantitative Techniques in Business'

(2 credits)

(Book ID: B1500)

ASSIGNMENT- Set 1

Marks 30

Note: Each Question carries 10 marks. Answer all the questions.

1. a. Define Statistics. Discuss the functions and list the limitations of statistics.
   b. Explain the different types of sampling methods.

2. a. What do you mean by measures of central tendency and dispersion? What are the various measures of central tendency and dispersion?
   b. The monthly income (in rupees) of 10 employees working in a firm is as follows:

4487	4493	4502	4446	4475	4492	4572	4516	4468	4489

   Find the average monthly income
   c. Calculate the mean deviation of the following statistical data about the median:

4000	4200	4400	4600	4800

3. a. What are index numbers? What are the uses of Index numbers?
   b. Briefly explain the various control charts.

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ASSIGNMENT- Set 2

Marks 60

Note: Each Question carries 10 marks. Answer all the questions.

1. a. Define primary data? What are the various methods of collecting primary data?

   b. What is a questionnaire? Explain what precautions must be taken while drafting a questionnaire.

2. a. Explain briefly the meaning of i) range ii) Interquartile range iii) Quartiles deviation iv) Average Deviation v) Standard Deviation vi) Lorenz Curve.

   b. Determine the Correlation Coefficient. What are the properties and uses of Correlation Coefficient?

3. a. What do you understand by time series? What are the different types of variation in time series?

   b. Fit a straight line trend by the method of least squares to the following data.

Year	2006	2007	2008	2009	2010
Sales (in lakh tonnes)	100	120	110	140	80