

BUSINESS STATISTICS : 2009

(Old and New Course - 108)

UNIT - 1

1. Define 'Statistics' and discuss its scope and limitations.

OR

Discuss various methods of presentation of data. Use examples to illustrate your answer.

UNIT - 2

2. Explain how 'mode.' and 'geometric mean' can be used in business decision-making process.

OR

Calculate mean from the following data by using short-cut method :

Marks	0 - 20	20 - 40	40 - 60	60 - 80	80 - 100
No. of Students	10	25	35	15	5

UNIT - 3

3. Explain the merits and demerits of standard deviations.

OR

Why and how is 'skewness' calculated ? Explain with example (s).

UNIT - 4

4. What do you mean by correlation analysis ? What are its advantages and limitations ?

OR

Calculate Karl Person's coefficient of correlation from the following data :

Advertisement (Rs. '000)	45	50	55	60	65	70	75	80	85	90
Sales (Rs. '000)	60	75	78	80	90	70	75	90	92	100

UNIT - 5

5. What do you understand by time series analysis ? How does time series analysis help in business decision - making ? Explain.

OR

Discuss the concept, importance and limitations of index numbers.