SARDAR PATEL UNIVERSITY
Programme: BCOM
Semester: IV
Syllabus with effect from : NOVEMBER 2012

Paper Code: UB04CCOM05	Total Credit: 3
Title Of Paper: Business Statistics - II	

Unit	Description in detail	Weighting (%)
1	**Correlation** Introduction and Meaning Co-efficient of Correlation and its interpretation Types of Correlation Methods to Study Correlation : Scatter diagram, Karl Person's Person's Product and Spearmen's Rank Correlation	25 %
2	**Regression** Introduction and meaning Regression lines, Regression equations, Regression co-efficients Properties of Regression	25 %

3	**Analysis of time series**
	Time Series: Definition, meaning, uses
	Components of Time Series
	Methods of finding Trend
	    • Moving Average Method (with period 3, 4 & 5 years)
	    • Least Squares method (only Linear trend)
	Computation of seasonal indices by simple average method
		25 %

4	**Index Number**
	Index number : Definition, meaning
	Uses & limitations of Index Number
	Method of constructing of index number
	    • Laspeyre's IN
	    • Paasche's IN
	    • fisher's IN
	Test of adequacy:
	    • Factor Reversal
	    • Time Reversal Test
	Chain Base Index number, Fixed Base Index number, Base shifting
		25 %

Basic Text & Reference Books

- ➢ D. C. Sancheti and V. K. Kapoor: Statistics (Theory, Methods & Application), Sultan chand and Sons, New Delhi.
- ➢ R. P. Honda: Statistics for Business and Economics, Macmillan, New Delhi
- ➢ S. C. Gupta : Fundamental of Statistics
- ➢ B. L. Agrawal: Basic Statistics
- ➢ Ken Black: Business Statistics