SARDAR PATEL UNIVERSITY
Programme & Subject: BBA (Information Technology Management)
(3 Years)
Semester: II
Syllabus with effect from: December - 2015

Paper Code: UM02EBBI03	Total Credit: 3
Title Of Paper: Business Statistics	

Unit	Description in Detail	Weightage (%)
I	**Introduction to Statistics** Definition of statistics, scope of statistics, Types of data: Primary and Secondary data, Methods of collecting primary data (i) Questionnaire (ii) Interview. (Both without formulation) Construction of frequency and cumulative frequency and its examples.	25%
II	**Measures of central tendency and dispersion** Measures of central tendency: (i) Mean (ii) Median (iii) Mode (iv) Quartiles (all for grouped and ungrouped data). Combined mean. Measures of Dispersion: (i) Range (ii) Quartile Deviation (iii) Standard Deviation (all for grouped and ungrouped data) (iv) Coefficient of Variation (C.V).	25%
III	**Correlation and Regression** **Correlation** Introduction, Meaning, Definition of Correlation Types of correlation, Correlation coefficient & its properties (without proof) Methods of studying correlation (Examples based on only observations) Scattered Diagram Karl Pearson's product moment method Spearman's rank method **Regression** Introduction, Meaning, Definition of regression Regression coefficients and their Properties (without proof) Examples of regression Coefficient & regression lines (only for observations)	25%
IV	**Probability** Only concept of probability & mathematical, statistical and Axiomatic definitions. Probability distribution: Binomial, Poisson and Normal and its properties with examples.	25%

Basic Text & Reference Books:-

➢ Levin & Rubin: Statistics for Management, Prentice Hall of India, New Delhi.
➢ R.P. Hooda: Statistics for Business and Economics, Macmillan, New Delhi.
➢ S. C. Gupta: fundamentals of Statistics, Himalaya Publishing House.