SARDAR PATEL UNIVERSITY
Programme: B.Sc
Semester: III
Syllabus with effect from: June-2012

Paper Code: US03FSTA01	Total Credit: 2
Title of Paper: Foundation of Statistics - I	

Unit	Description in detail	Weightage (%)
I	**Collection of data-I** Introduction to Statistics Scope of Statistics Survey Method Experimental Method **Methods of drawing sample from the population** Simple random sampling Stratified random sampling Systematic sampling	25%
II	**Collection of data-II** Primary data Methods of collecting primary data: Direct personal inquiry method Mailed Questionnaire method Indirect oral investigation method Secondary data Sources of secondary data Types of characteristics Attributes: Nominal and Ordinal Variables: Discrete and Continuous	25%
III	**Presentation of data** Classification Tabulation Diagrammatic and Graphical presentation of data	25%
IV	**Analysis of Quantitative data** Measures of central tendency (AM, GM, HM, Median, Mode) Measures of dispersion Skewness (Bowley's and Karl-Pearson's coeff. Of skewness)	25%

Basic Text & Reference Books:

- Gupta S.C. and Kapoor V.K. Fundamentals of applied statistics
- Ken Black, Business Statistics (4th edition) Willey student edition
- Gupta S.C, Fundamentals of statistics by S.C. Gupta