

SARDAR PATEL UNIVERSITY
Programme: B.Com.
Semester: I
Syllabus with Effect From: June-2018

Paper Code: UB01DCOM35	Total Credit:3
Title Of Paper: Advanced Statistics – I	

Objective: The objectives will be to achieve a deep understanding of particular statistical methods and to learn to use some advanced tools for analyzing and developing statistical methods.

Unit	Description of Detail	Weighting (%)
I	Statistics, Primary data and Secondary data, classification. Definition of Statistics, Concept of Primary and Secondary data. Methods of collecting Primary data: Direct Investigation, indirect investigation, information through local agency, mailed questionnaire, Framing of questionnaire, source of secondary data. Concept of classification, types and importance of classification, example of classification.	25%
II	Graphs and Diagrams. Representation of statistical data on (1) Histogram (2) Frequency Polygon (3) Frequency Curve (Ogive Curve), (4) Pie Chart. To obtain median, mode, from the above graphs, simple examples.	25%
III	Measure Of Central Tendency Meaning of central tendency, various measures of central tendency: A.M., Median, Mode, Their merits and demerits, Simple examples of Mean, Mode and Median. Various Measure of Central tendency: Quartiles, Deciles, Percentiles, their merits, demerits, and simple examples.	25%
IV	Measure of Dispersion: Definition of dispersion, Measures of dispersion. Simple Examples to Find various measures Of dispersion by different methods (Range, Q.D., M.D.,S.D.) for grouped and ungrouped data.	25%

Basic Text & Reference Books:-

- **D. S. Sancheti and V. K. Kapoor:** Statistics: Theory, Method and application. Sultan Chand and sons, New Delhi.
- **D. N. Elhance:** Fundamental Of Statistics.
- **Goon, Gupta, Dasgupta:** An outline of Statistical Theory Volume 1 and 2, world press Calcutta.