SARDAR PATEL UNIVERSITY
Programme: BCA
Semester: III
Syllabus with effect from: June 2019

Paper Code : **US03SBCA26**	**Total Credit: 2**
Title of Paper: **Business Statistics**	

Lectures per week   : 2   **Exam Duration: 2 hrs**
All units carry equal weightage.

Unit	Description in detail	Weightage (%)
I	Basic Statistical techniques, Frequency distribution, Formingof Frequency distribution & cumulative distribution for discrete and continuous data, Graphic representation of data, Histogram and frequency curves.	25%
II	Measures of central tendency (for grouped & ungrouped data), Mean, Median, Mode, Harmonic mean, Geometric mean, Weighted mean, Relation between Arithmetic mean, Geometric mean and Harmonic mean, Range, Percentile and Quartile, deviation, Standard deviation, Quartile Deviation.	25%
III	Method of least squares, Least- square line, correlation coefficients, rank correlation coefficients, Karl's Pearson coefficients of correlation, Linear regression, Introduction to non linear regression.	25%
IV	Permutations and combinations , Elementary Probability, Conditional Probability, Independent and dependent events, mutually exclusive events, Probability distribution, Mathematical expectation.	25%

Basic Text & Reference Books:-

1. Fundamental of statistics – S.C.GUPTA.– Himalaya Pub. House.

2. Statistics –D.C. Sancheti, V. K. Kapoor, Sultan Chand& Sons.