

SARDAR PATEL UNIVERSITY
PROGRAMME: B.COM. (HONS') (3 Years)
(International Accounting and Corporate Banking & Insurance)
(Under Choice Based Credit System Based on UGC Guidelines)
Syllabus with effect from: November/December-2019

Semester: IV

Paper Code: UB04CCOH23	Total Credits: 3
Title of Paper: Business Statistics - II	
Objective : The objective of this course is to familiarize the students with the basic Statistical tools, with an emphasis on applications to business and economic situations.	

Unit No.	Description in Detail	Weightage
1	Correlation <ul style="list-style-type: none"> • 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 Spearman's Rank Correlation 	25%
2	Regression <ul style="list-style-type: none"> • Introduction and meaning • Regression lines, Regression equations, Regression co-efficients Properties of Regression 	25%
3	Analysis of time series <ul style="list-style-type: none"> • Time Series: Definition, meaning, uses Components of Time Series • Methods of finding Trend <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Index number : Definition, meaning Uses & limitations of Index Number • Method of constructing of index number <ul style="list-style-type: none"> - Laspeyre's IN - Paasche's IN - fisher's IN • Test of adequacy: <ul style="list-style-type: none"> - Factor Reversal - Time Reversal Test • Chain Base Index number, Fixed Base Index number, Base shifting 	25%

Evaluation : Internal : 40 Marks (Theory)
: External: 60 Marks (Theory) – Two Hours Examination

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