

Programme: B.Com.	Year: First	Semester: First
Subject: Commerce		
Course Code: C010102T	Course Title: Business Statistics	
Course outcomes: The purpose of this paper is to inculcate and analytical ability among the students.		
Credits: 6	Core Compulsory / Elective: Compulsory	
Max. Marks: 25+75	Min. Passing Marks: 10+25	
Total No. of Lectures: 90		

Unit	Topics	No. of Lectures
I	Indian Statistics: Meaning, About father of Indian Statistics (Prof. Prasanta Chandra Mahalanobis). Introduction to Statistics: Meaning, Scope, Importance and Limitation, Statistical Investigation- Planning and organization, Statistical units, Methods of Investigation, Census and Sampling. Collection of Data- Primary and Secondary Data, Editing of Data Classification of data, Frequency Distribution and Statistical Series, Tabulation of Data Diagrammatical and Graphical Presentation of Data.	20
II	Measures of Central Tendency – Mean, Median, Mode, Geometric and Harmonic Mean; Dispersion – Range, Quartile, Percentile, Quartile Deviation, Mean Deviation, Standard Deviation and its Co- efficient, Co-efficient of Variation and Variance, Test of Skewness and Dispersion, Its Importance, Co-efficient of Skewness.	25
III	Correlation- Meaning, application, types and degree of correlation, Methods- Scatter Diagram, Karl Pearson’s Coefficient of Correlation, Spearman’s Rank Coefficient of Correlation.	25
IV	Index Number: - Meaning, Types and Uses, Methods of constructing Price Index Number, Fixed – Base Method, Chain-Base Method, Base conversion, Base shifting deflating and splicing. Consumer Price Index Number, Fisher’s Ideal Index Number, Reversibility Test- Time and Factor; Analysis of Time Series: -Meaning, Importance and Components of a Time Series. Decomposition of Time Series: - Moving Average Method and Method of Least square.	20

Suggested Readings:

1. Heinz, Kohler: Statistics for Business & Economics, HarperCollins;
2. Gupta, S.C. Fundamental of Statistics, Himalaya Publication.
3. Sharma J.K., Business Statistics, Pearson Education.
4. Gupta S.P. & Gupta Archana, Elementary Statistics, (English and Hindi) Sultan Chand & Sons, New Delhi.

Note: **Latest edition of the text books should be used.**

This course can be opted as an elective by the students of following subjects:

Open for all

Suggested Continuous Evaluation Methods: Continuous Internal Evaluation shall be based on allotted Assignment and Class Tests. The marks shall be as follows:

Assessment and Presentation of Assignment	(04 marks)
Class Test-I (Objective Questions)	(04 marks)
Class Test-II (Descriptive Questions)	(04 marks)
Class Test-III (Objective Questions)	(04 marks)
Class Test-IV (Descriptive Questions)	(04 marks)
Overall performance throughout the Semester (includes Attendance, Behaviour, Discipline, Participation in Different Activities)	(05 marks)