



Bachelor of Business Administration (B.B.A.)			Semester - II
Course Title: Business Statistics	Course Code:		Type of Course: MDC
Credit: 04	Theory: 04 Hours	Practical: Nil	Teaching Hours: 60
Internal Marks: 50	External Marks: 50	Total Marks: 100	External Exam Time: 2½ Hours

COURSE OUTCOMES:

- To collect data in terms of experimental designs and statistical surveys.
- Organizing and summarizing the data.
- Analyzing the data and drawing conclusions from it
- To provide knowledge regarding the practical application of statistical tools in business

Pedagogy: Theory, Exercise

Unit - 1	LINEAR CORRELATION	Hours: 12
	• Meaning and Definition • Types of correlation • Methods for correlation • Scatter Diagram method • Karl Pearson's method • Spearman's Rank method • Probable Error and standard error of coefficient of correlation • coefficient of correlation Bivariate frequency distribution • Examples	
Unit – 2	LINEAR REGRESSION:	Hours: 12
	• Meaning and Definition of Regression • Properties Of Regression Co-efficient • Relation Between Correlation and Regression Co-Efficient • Two Lines of Regressions • Regression Coefficients from Bivariate Frequency Distribution • Examples	
Unit - 3	PROBABILITY	Hours: 12
	• Concept of probability • Mathematical and statistical definition of probability • Definition of different terms (Random Experiment, sample space, types of events, independent events etc.) • Addition Law and Multiplication Law for two events with proof • Examples	
Unit – 4	MATHEMATICAL EXPECTATION AND BINOMINAL DISTRIBUTION	Hours: 12
	• Definition and meaning • Mean and variance • Properties of Mean and Variance • Characteristics • Constants • Importance of Distribution	



	• Examples	
Unit – 5	POISSON DISTRIBUTION	Hours: 12
	• Characteristics • Constants • Importance of Distribution • Fitting • Examples	
Skill Development Activities: Practical Applications.		

REFERENCES

Advance Practical Statistics: S. P.Gupta.
Fundamental of Statistics: V.K. Kapoor and S.C. Gupta
Fundamental of Mathematics and Statistics: V.K. Kapoor and S.C. Gupta
Fundamental of Statistics : D .N Elhance