



**Teaching and Examination Scheme:**

Teaching Scheme			Credits	Examination Marks				Total Marks
L	P	OJT		Theory		Tutorial/ Practical		
			University exams (ESE)	Progressive Assessment (PA)	External Practical /viva Exam (ESE)	Internal evaluation Practical /viva Exam (PA)		
3	-	-	3	50	-	-	-	50

L- Lectures; P- Practical; OJT- On Job Training; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment

**Content:**

Sr. No.	Content	Hrs.
1	<b>Introduction to Business Statistics :</b> Introduction to statistics, Importance & Score of Statistics, Limitations of Statistics. Types of variables – Dependent, independent, extraneous, discrete, continuous. Graphical Representation of Data using various types of diagrams/Graphs.	8
2	<b>Measures of Central Tendency &amp; Dispersion :</b> <b>Measure of Central Tendency:</b> Arithmetic Mean, Median, Mode, Quartiles, Deciles and Percetiles (for Grouped and Un Grouped Data) <b>Measure of &amp; Dispersion:</b> Concept of dispersion, Absolute and relative measure of dispersion, Range, Variance, Standard deviation, Coefficient of variation, Quartile Deviation, Coefficient of Quartile deviation.	10
3	<b>Correlation &amp; Regression :</b> Meaning and Definition of Correlation - Types of Correlation - Properties of Correlation coefficient Karl Pearson’s Correlation coefficient, Spearmen Rank Correlation Meaning and Definition of Regression Regression Coefficients	10
4	<b>Time Series Analysis :</b> Introduction, Utility of Time series, Components, Quantitative Methods of Time series analysis like Simple moving averages and Weighted average moving averages	8
5	<b>Sampling : (Only Theory)</b> - Idea of Population and sample - Advantage of sampling - Limitation of sampling - Characteristics of Good sample <b>Sampling methods</b>	6



	- Simple random sampling - Stratified simple random sampling - Systematic Sampling	
	<b>Total</b>	<b>42</b>

**Reference Books:**

Name of Book	Author	Publication
Business Statistics for Contemporary Decision making	Ken Black	Wiley
Business Statistics	Jaggia, Kelly	McGrawHill
Fundamentals of Statistics	S. P. Gupta	Sultan & Chand

**Course Outcomes:**

After learning the course the students should be able to:

1. Understand Fundamental of Statistics
2. Develop Analysis skill by using statistical methods
3. Think logically towards business problems