

<b>Part A – Introduction</b>			
Subject	<b>Business Administration</b>		
Semester	<b>II</b>		
Name of the Course	<b>Business Statistics</b>		
Course Code	<b>B23-BBA-201</b>		
Course Type: (CC/MCC/MDC/CC- M/DSEC/VOC/DSE/PC/AEC/VAC)	<b>CC-A2</b>		
Level of the course (As per Annexure-I)	<b>Foundation-Level</b>		
Pre-requisite for the course (if any)	<b>None</b>		
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> <li>1. Understand the meaning of the statistics and data in everyday life and its presentation for business decision making.</li> <li>2. Understand distinctive features and characteristics of data with the help of descriptive and summary statistical measures.</li> <li>3. Understand and analyses the departure from statistical normality of data for better business decision making.</li> <li>4. Understand the significance of sampling in the statistical data collection and applications in business decision making.</li> </ol> <hr/> <p>5*.</p>		
Credits	Theory	Practical	Total
	<b>4</b>	<b>0</b>	<b>4</b>
Contact Hours	<b>60</b>	<b>0</b>	<b>60</b>
Max. Marks: <b>100</b> Internal Assessment Marks: <b>30</b> End Term Exam Marks: <b>70</b>		<b>Time: 3 Hours</b>	

## Part B- Contents of the Course

### Instructions for Paper- Setter

The Paper-Setter shall set *nine* questions in all and the question paper shall be divided into two parts. **Part ‘A’** shall comprise *four* short answer type questions from the whole of the syllabus carrying 3.5 marks each, which shall be compulsory. **Part ‘B’** shall comprise *eight* questions (*two* questions from each unit) carrying 14 marks each and the student will be required to attempt *four* questions selecting *one* question from each unit.

Unit	Topics	Contact Hours
I	Business Statistics: Introduction, Scope, Functions, Importance, Limitations; Distrust of Statistics; Collection of Primary and Secondary data; Types of Statistical Methods; Data Analysis and Interpretation; Graph: Characteristics, Types, Merits and Demerits.	15
II	Measures of Central Tendency: Meaning, Types; Arithmetic Mean; Geometric Mean; Harmonic Mean; Quadratic Mean; Moving Average; Progressive Average; Relation between Mean, Median and mode.	15
III	Measures of Dispersion and Skewness: Absolute and Relative measures of Dispersion range, Quartile deviation, Mean and Standard Deviation; Difference between Skewness and Dispersion, Empirical relation among various measures of Dispersion, Moments and Kurtosis.	15
IV	Sampling: Introduction, Census versus Sample, Errors in Sampling, Types of sampling, Judging reliability of sample; Index numbers: Introduction, Types of Index Numbers, Methods of constructing Index numbers, uses of Index numbers; Time Series analysis: Components and Seasonality analysis.	15
V*		

### Suggested Evaluation Methods

#### Internal Assessment:

##### ➤ Theory

- Class Participation: **5**
- Seminar/presentation/assignment/quiz/class test etc.: **10**
- Mid-Term Exam: **15**

##### ➤ Practicum

- Class Participation:
- Seminar/Demonstration/Viva-voce/Lab records etc.:
- Mid-Term Exam:

End Term Examination: **70**

## Part C-Learning Resources

### Recommended Books/e-resources/LMS:

1. D. N Elhance, Veena Elhance & BM Aggarwal. *Fundamentals of Statistics*. Kitab Mahal.
2. T.N Srivastava and Shailaja Rego. *Statistics for Management*. McGraw Hill.
3. S.C Gupta. *Fundamental of Statistics*. Himalaya Publishing House.
4. Levine & Rubin. *Statistics for Management*. Pearson Publication.
5. S.P Gupta. *Statistical Methods*. Sultan Chand & Sons.