

CC : 103 : Business Statistics

Theory: Credit: 4 (100%) Total Marks : 100

Unit	Topics Covered	Wt.
1.	Introduction of Statistics : Meaning and Definitions of Statistics, the Nature of a Statistical Study, Importance of Statistics in Business, Limitations of Statistics, Types of data collection methods, Types of classification data , Types of frequency distribution, Types of class intervals, Types of diagrams and their importance.	20%
2.	Measures of Central Tendency and Dispersion Introduction; Types of measure of central tendency: Mean, Median and Mode; Geometric mean, Their merits and demerits, Practical problems. Types of measures of dispersion: Range, Coefficient of range, Quartile deviations, Standard deviation, Variance.	20%
3.	Correlation Definition of Correlation, Types of Correlation, Scatter Diagram Method, Karl Person's Correlation Coefficients, Rank Correlation Coefficients, Correlation Coefficients for Bivariate frequency distribution, Probable error for Correlation Coefficients.	20%
4.	Index Numbers Introduction and meaning of index number, Their usages, Fixed base and chain base method, Methods of construction index number: Laspayer's, Paashe's, Fisher's, Bowley, Marshall, Edgeworth Index number, Time reversal and factor reversal teats.	20%
5.	Time Series Analysis Time Series analysis components of time series & methods of estimation of trend seasonal components by moving averages, Linear Trend, Non-Linear Trend.	20%

Reference Books:

1. Practical Business Statistics Frederick F. Croxton & Dudley Asia publishing House, Ps. 20.
2. Modern Business Statistics John B. Freund & Frank, J. Williams, Modern Asia Edition (Prentice Hall Inc. Charles E. Tuttle)
3. Statistics : Methods & Analysis, Lincol L. Chao, McGraw-Hill Book Co. (international Student Edition) S. 5.20.
4. Statistics Analysis for business Decision, William A. Supurr & Charles P. Bonini ichard. Triwin Inc. Home wood, illunoise S..9.95.
5. Wheldon's Business statistics and Statistics Method G.L. Thrikettle Macdonald & Evansm Ltd.
6. Statistics for Economic and Business, Donald W. Paden E.F. Lindquist, McGraw-Hill Book Co, India. S. 2-15.
7. Executive Decisions thought O.R. Wagner T.M.