Unit: 1 [25%]

Measure of Central Tendency : -
Arithmetic   Mean :
- Arithmetic Mean for raw data
- Discrete frequency distribution
- Continuous frequency distribution
- Properties of Arithmetic Mean
- Merits & Demerits of A.M.

Median :
- Median for raw data
- Discrete frequency distribution
- Continuous frequency distribution
- Merits & Demerits of Median

Mode :
- Mode for raw data
- Discrete frequency distribution
- Continuous frequency distribution
- Merits & Demerits of Mode

Measure of Dispersion :-
- Introduction
- Range & its Co-efficient
- Quartile deviation & its Co- efficient
- Mean deviation & its Co-efficient
- Standard deviation & its Co-efficient

Unit: 2 [25%]

Correlation Co-efficient : -
- Definition of Correlation
- Types of Correlation
- Scatter Diagram Method
- Karl Pearson's Correlation Co-efficient
- Correlation Co-efficient for Bivariate frequency distribution
- Probable error for correlation

Unit: 3 [25%]

Regression Analysis :-
- Definition of Regression
- Regression Lines
- Regression Co-efficients
- Properties of Regression Co-efficients
- Least square fit linear regression curve fitting

Unit: 4 [25%]

Time Series and Business forecasting :-
- Utility of Time series Analysis
- Components of Time series
    - Secular Trend   -Seasonal Variation
    - Cyclic Variation   -Irregular Variation
- Method of Measurement of components : Moving averages method
- Forecasting Model and Method : Exponential Smoothing Method

Text Books :-
1. Fundamental of statistics – Sixth Edition (S.C.Gupta)

Reference Book : -
1. Statistical Methods (S.P.Gupta)
2. Business Statistica (R.S.Bhardwarj)
3. Statistics(R.S.N.Pillai and V.Bagavati)