Module I

Quantitative Techniques - Introduction - Meaning and definition - Classification of Q.T - QT and other disciplines - Application of QT in business - Limitations.

(10 Hours, 10 Marks)

Module II

Correlation and Regression Analysis: Meaning and definition of Correlation - Karl Pearson's co-efficient of correlation - Rank correlation - Regression - Types - Determination of simple linear regression – Coefficient of determination.

(20 Hours, 20 Marks)

Module III

Set Theory - Venn Diagrams - Probability: Concept of probability - Meaning and definition - Approaches to probability - Theorems of probability - Addition Theorem - Multiplication Theorem -Conditional probability- Inverse probability- Baye's Theorem.

(15 Hours, 15Marks)

Module IV

Theoretical Distribution: Basic assumptions and characteristics - Probability distribution - Fitting of probability distribution - Binomial distribution - Fitting of binomial distribution - Poisson distribution - Fitting of Poisson distribution - Normal distribution - Features and properties – Standard normal curve.

(20 Hours, 20 Marks)

Module V

Quantitative approach to decision making- Types and steps in decision making-Decision tree analysis-Different types of models-Model building steps - Linear programming- concepts - Mathematical formulation - Solution of LPP using graphic method

(15 Hours, 15 Marks)