Paper II

B.B.A.LL.B.: Semester-II BBL 202: QUANTITAVIVE DECISION MAKING	
Teaching Scheme	**Examination Scheme**
Lectures: 4hrs/Week	Class Test -12 Marks
Tutorials: 1 hr/Week	Teachers Assessment – 6 Marks
Credits: 5	Attendance – 12 Marks
	End Semester Exam – 70 marks

Course Outcomes:

CO1	Acquiring the knowledge about the applications of Statistics Management
CO2	To explain statistics methods useful for economic problems
CO3	To solve problems related to central tendency, variation or etc
CO4	To discern effects of various types and methods of correlation and regression
CO5	To acquired knowledge and skills with real life problems
CO6	Understanding the basic idea of the time series analysis

Course Content -

Unit-1

Introduction Definitions of Statistics, Scope in Business and Management, Limitations of Statistics, Classification of data (Geographical, Chronological, Qualitative, Quantitative), Formation of Frequency distributions (discrete and continuous data), Diagrams (Bar, rectangles, squares, circles, pie, Pictograms and cartograms), Graphs (Histogram, Frequency polygon, Smoothed frequency curve, Cumulative Frequency curves or Ogives)

Unit-2

Measures of Central Tendency- Characteristics of a Good Average, Arithmetic mean, merits and limitations of arithmetic mean, Weighted arithmetic mean, Median, merits and limitations of median, Quartiles, Deciles and Percentiles, Mode, merits and limitations of mode, Geometric mean and its applications. , Harmonic mean, its applications, merits and limitations.

Unit-3

Measures of Variation: Significance of measuring variation, properties of a good measure of variation. Absolute and Relative measures of variation, Range, Quartile deviation, The Average Deviation, The Standard Deviation, Coefficient of Variation. Moments, Measures of Skewness and Kurtosis.

Unit-4

Correlation and Regression- Scatter Diagram, Karl Pearson's Coefficient of Correlation and its properties, Correlation of bivariate grouped data, Rank Correlation Coefficient. Method of least squares, Regression lines, Regression Equations, Regression Coefficients and its properties.

Unit-5

Time series - Components of Time series, measurements of secular trend (Freehand, semi averages, moving averages, least squares).

Unit-6

Index Numbers: Uses, Price and quantity Index numbers, Simple Index numbers, Simple average of price relatives, weighted relative price index numbers, Laspeyres and Paasche, Bowley's,