SARASWATI MAHILA MAHAVIDYALAYA, PALWAL

LESSON PLAN

Class: B.Com 2nd year

Semester: I V

Paper: : Business Statistics- II Code: 4.02

Sessions: 2021-2022

Lectures	Topic
1 – 22	**Unit- I** Index Numbers:- Meaning, Types and Uses; Methods of Constructing price and Quantity indices (Simple and Aggregate); Tests of adequacy; Chain-base Index numbers, Base shifting, Splicing and Deflating; Problems in constructing index numbers; Consumer price index.
23 – 42	**Unit- II** Analysis of Time Series: - Causes of Variations in time series data; Components of a time series. Decomposition- Additive and Multiplicative models; determination of trend. Moving averages method and method of least squares (Including linear second degree, Parabolic and Exponential trend); Computation of seasonal indices by simple averages, Ratio to Trend, Ratio to moving average and link relative methods.
43 – 60	**Unit-III** Theory of Probability: - Probability as a Concept; Approaches to defining probability, Addition and Multiplication laws of probability; Conditional probability, Baye's Theorem.
61 – 75	**Unit- IV** Probability Distribution : - Probability distribution as a concept; Binomial, Poisson and Normal Distribution- Their Properties and Parameters.