

DEPARTMENT OF COMMERCE
SHYAM LAL COLLEGE, UNIVERSITY OF DELHI

SUBJECT-BUSINESS STATISTICS			Course & Sem: B.COM (H) Sem V
S.NO.	FROM	TO	TOPICS
Week 1	20-July-22	22-July-22	Meaning and Definition Importance of statistics, functions, Distrusts of Statistics Classification and Tabulation of data
Week 2	25-July-22	30-July-22	Measures of Central Tendency - Calculation of Arithmetic Mean (Simple and Weighted)
Week 3	01-Aug-22	06-Aug-22	Measures of Central Tendency - Calculation of Median and Mode, Harmonic Mean and Geometric Mean
Week 4	08-Aug-22	13-Aug-22	Measures of Dispersion - Quartiles, Range, Quartile Deviation, Mean Deviation and Standard Deviation, Skewness and Kurtosis
Week 5	15-Aug-22	20-Aug-22	Probability and Probability Distribution - Theory and Approaches and Probability Theorems, Multiplication and Addition
Week 6	22-Aug-22	27-Aug-22	Probability and Probability Distribution - Conditional Probability and Bayes' Theorem, Expectation and Variance of a Random Variable
Week 7	29-Aug-22	03-Sept-22	Probability and Probability Distribution - Binomial, Poisson and Normal Distribution
Week 8	05-Sept-22	10-Sept-22	Correlation and Regression - Introduction, Properties, Scatter Diagram, Karl Pearson's Coefficient of Correlation
Week 9	12-Sept-22	17-Sept-22	Correlation and Regression - Spearman's Coefficient of Correlation, Probable and Standard Error, Numerical Problems
Week 10	19-Sept-22	24-Sept-22	Correlation and Regression - Regression, Properties of Regression Coefficient, Least Square and Regression Lines, Regression Equations and Coefficient of Determination
Week 11	26-Sept-22	01-Oct-22	Time Series - Components, Additive and Multiplicative Models, Trend Analysis, Fitting of Trend Using Principle of Least Squares
Week 12	02-Oct-22	09-Oct-22	Mid Sem Break
Week 13	10-Oct-22	15-Oct-22	Time Series - Fitting of trend line using principle of least squares – linear, second degree parabola and exponential; Shifting of Origin and Conversion of annual linear trend equation to quarterly/monthly basis and vice-versa; Moving averages.
Week 14	17-Oct-22	22-Oct-22	Seasonal variations: Calculation of Seasonal Indices using Simple averages, Ratio-to-trend and Ratio-to-moving averages methods; Uses of Seasonal Indices.
Week 15	24-Oct-22	29-Oct-22	Index Numbers - Meaning and Uses, Construction of Index numbers: fixed and chain base, univariate and composite; Methods of constructing Index numbers: Aggregates and Tests of adequacy of index numbers; Base shifting, splicing and deflating; Problems in the constructions of index numbers.
Week 16	31-Oct-22	05-Nov-22	Index Numbers - Construction and Utility of Consumer Price Indices, BSE Sensex and NSE Nifty
Week 17	07-Nov-22	12-Nov-22	Discussion of Previous Year Question Papers
Week 18	15-Nov-22	16-Nov-22	Revision

Teaching Methods:

- 1 Chalk and Talk
- 2 Practice through excel
- 3 Presentation