

SSR DEGREE COLLEGE (AUTONOMOUS)
II-SEM
(BUSINESS STATS)
IMPORTANT QUESTIONS

UNIT I – Introduction & Data Presentation

1. Define Statistics. Explain its scope and importance in business.
2. What are the limitations of statistics?
3. Explain primary and secondary data. What are their sources?
4. Describe classification, tabulation, and graphical presentation of data (bar chart, pie chart, histogram).

UNIT II – Measures of Central Tendency & Dispersion

1. Explain Measures of Central Tendency. Discuss Mean, Median, and Mode with business applications.
2. What is Dispersion? Explain Range and Standard Deviation.
3. Explain Quartiles and Quartile Deviation (concept only).
4. What is Coefficient of Variation? How is it useful in business comparison?

UNIT III – Correlation & Regression

1. Define Correlation. Explain types of correlation with examples.
2. Explain Karl Pearson's coefficient of correlation and its significance.
3. What is Spearman's Rank Correlation? When is it used?
4. Explain Simple Regression Analysis and line of best fit (Least Squares Method).

UNIT IV – Time Series & Index Numbers

1. What is a Time Series? Explain its components.
2. Explain Moving Average Method and Semi-Average Method of trend estimation.
3. Define Index Numbers. Explain their uses in business.

4. Explain Laspeyres, Paasche, and Fisher's Index Numbers (introductory level).

UNIT V – Probability & Sampling (Conceptual)

1. Define Probability. Explain types of events.
2. Explain Addition and Multiplication Theorems of Probability.
3. Explain Conditional Probability and Bayes' Theorem (conceptual).
4. Explain Sampling. Distinguish between Probability and Non-Probability Sampling Techniques.