SHIVAJI COLLEGE, UNIVERSITY OF DELHI DEPARTMENT OF ECONOMICS

INTERNAL TEST (Academic Year 2023-24)

Name of the Course : III Semester Name of the Paper

: IT Skills and Data Analysis—I

Duration : 1-hour Maximum Marks: 20

: 21st October Date of Test

Each question carries an equal weight.

Q.1Explain how scatter diagrams can be used to assess the relationship between two variables. Describe what you would expect to see in a scatter diagram that indicates a strong positive correlation between the variables.

Q.2 Outline the steps involved in specifying and testing a statistical model. Discuss the importance of hypothesis testing in the context of model specification.

Q.3Describe the method of least squares in the context of multiple linear regression. How does it differ from the simple linear regression approach? Illustrate your answer with an example.

Q.4Imagine you have completed a project using multiple regression analysis. How would you present the significance of your findings in a viva? Discuss the key points you would address and how you would justify your model choice.



Faculty Name : AJAY