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School of Liberal Education

Bachelor of Arts Honours in Economics

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

Sem IV - K1UB403B - Data Analysis with RGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) What are the different data types in R? K2 (2)
- 2) Summarize some packages in R, which can be used for data imputation? K1 (3)
- 3) Define Merging and accessing list elements. K2 (4)
- 4) Define slice a matrix. K2 (6)
- 5) Define R lists? K3 (6)
- 6) Write a R program to create a data frame using two given vectors and display the duplicated elements and unique rows of the data frame. Explain with a syntax. K3 (9)
- 7) Write a R program to create an ordered factor from data consisting of the names of months. K4 (8)
- 8) List out the properties of the following: K4 (12)
 - a. Matrix subtraction
 - b. Matrix Division
 - c. Matrix addition
 - d. Matrix multiplication

OR

What is Factor in R and its function? K4 (12)