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Reg. No. : .....

Name : .....

Fourth Semester M.A. Degree Examination, October 2023

Behavioural Economics and Data Science

BEDS 543 : FOUNDATIONS OF DATA ANALYSIS USING R AND PYTHON

(2020 Admission Onwards)

Time : 3 Hours Max. Marks : 75

PART – I

Answer **all** questions. Each question carries **1** mark.

1. Regression
2. Clustering
3. Prediction
4. Anaconda
5. NumPy
6. Histogram
7. R package
8. Variable
9. Python object
10. SciPy

(10 × 1 = 10 Marks)

P.T.O.

PART – II

Answer any **seven** questions. Each question carries **5** marks.

11. How do you import data into Python?
12. Explain the ways to install packages in Python.
13. Explain the slips to write an output table into excel in Python.
14. How do you plot a histogram with overlay in R?
15. Write the steps to create a contingency table in R.
16. Why do we use functions in R?
17. How do create a data frame in Python?
18. What is a tuple in Python?
19. What is the way to collect different datatypes together in R? Explain
20. How do access an element of data frame in R?

(7 × 5 = 35 Marks)

PART – III

Answer any **three** questions. Each question carries **10** marks.

21. How do you run a multivariate regression in Python?
22. What is the usefulness of creating objects in R and Python? Explain.
23. Write an essay on Data Science.
24. Briefly explain Data Mining.
25. Write essays on
    (a) decision trees
    (b) classification

(3 × 10 = 30 Marks)
