Reg. No. : ....

Name : ....

Fourth Semester MA Degree Examination, August 2022

Behavioural Economics and Data Science

BEDS 543 : FOUNDATIONS OF DATA ANALYSIS USING R AND PYTHON

(2020 Admission)

Time : 3 Hours

Max. Marks : 75

SECTION – A

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

1. Data Science

2. Estimation

3. Association

4. Functions

5. R Variables

6. Bar graph

7. Continuous variable

8. R studio

9. Python Package

10. Histogram

(10 × 1 = 10 Marks)

SECTION – B

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

11. Explain how you import spread sheet data into R.

12. How do you install packages in R?

13. Write the steps to export an output table into CSV in R.

14. How do you plot a histogram with overlay in Python?

15. What is random forest?

16. Write a note on commenting in R and Python.

17. What do you mean by a Python object?

18. Write a note an R data frame.

19. Explain is a Python Array.

20. Give a note on R list.

(7 × 5 = 35 Marks)

SECTION – C

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

21. Write an essay on model estimation.

22. Give a detailed explanation on multivariate regression.

23. How do you run a multiple regression in R?

24. Briefly explain the concept of Big Data.

25. How do we run model evaluation for regression?

(3 × 10 = 30 Marks)

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