

**Fourth Semester FYUGP Degree (Reg) Examination April
2026**

**KU4SECSTA253 - FUNDAMENTALS OF R
PROGRAMMING**

2024 Admission onwards

Time : 1.5 hours

Maximum Marks : 35

Section A

Answer any 6 questions. Each carry 2 marks.

1. Define data editing in R.
2. Write the use of table () function.
3. What is standard deviation and how it is obtained in R?
4. What is relative frequency and its syntax in R?
5. Write the use of is.na() function.
6. Write syntax for drawing a barplot.
7. Write the use of nrow() and ncol().
8. Define outliers.

Section B

Answer any 4 questions. Each carry 4 marks.

9. Explain ceiling() and Floor() functions.
10. Describe built-in functions in R, including some examples.
11. What is the importance of set.seed()? Illustrate with an example.
12. Explain the sample() function with syntax and examples.
13. Explain line graphs for time series data.
14. Explain how to detect outliers.

Section C

Answer any 1 questions. Each carry 7 marks.

15. Describe data handling and management in R, including importing/exporting data, editing data, filtering, sorting, combining objects, and handling missing values.
16. Classify different data types in R with example.