

**Total No. of Pages : 02**

**B.Tech. (AI & DS) (Sem.-5)**

**Subject Code : BTES 501-20**

**Date of Examination : 22-11-2024**

**Max. Marks : 60**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

1. Explain the following :

- a) Logical
- b) Missing Values
- c) Scan
- d) Graphics
- e) Errors
- f) R Script
- g) Median
- h) Variance
- i) Scatter plot
- j) Data frames.

## SECTION-B

2. Differentiate between system and user defined objects.
3. Discuss vectors and their attributes.
4. Write a note on function compiling and function documentation.
5. Describe with example probability distribution.
6. Explain principles of exploratory data analysis.

## SECTION-C

7. What is R Script? Explain how to write your own code?
8. Explain in detail with example the working of loops.
9. Discuss models and methods in R. How to customize the user's environment?

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