



B.Tech IV Semester Regular/Supplementary Examinations, September 2023

R PROGRAMMING
(CSE (AI&ML))

Maximum Marks: 70

Date:26.09.2023 Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Write about type conversions in R?
- 2 Write about vectors in R?
- 3 What is a list in R?
- 4 Write about Boolean operators in R.
- 5 Find median and mode of following numbers
12,13,11,10,9,11,7,11,10,15,16,11
- 6 Explain about set operations in R.
- 7 Define a scope in R-Programming.
- 8 List any four math().
- 9 What is a graph in R.
- 10 Write about logistic regression?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 A. Explain different data structures in R. [5]
B. How to create name, access, merging and manipulate list elements? Explain with examples. [5]
OR
- 12 A. Explain about Variables, constants and Data Types in R Programming. [5]
B. Explain vectorized if then else with suitable examples. [5]
- 13 A. What is R Matrix and Matrix Function in R. [5]
B. List the Operations on Lists in R Programming. [5]
OR
- 14 A. Write the applying functions to Matrix rows and columns. [5]
B. Explain recursive list with example. [5]
- 15 A. How to merge, join, concatenate data frames. [5]
B. What is R factor and how to create and access components of R Factor. [5]

OR

- 16 A. Explain in detail about DataFrame with suitable example in R. [5]
B. What is working the tables and table related functions. [5]

- 17 A. What are control statements, arithmetic and Boolean operations, values. [5]
B. What is Math and Set operations. [5]

OR

- 18 A. What is recursion, replacement and anonymous functions. [5]
B. What are functions for statistical and sorting. [5]

- 19 A. How to read and write from files. [5]
B. What are string manipulation functions. [5]

OR

- 20 A. How to create and customize graphs. [5]
B. How to access the internet and how to access the keyboard and monitor. [5]