

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

BCA (Sem.-6)
R PROGRAMMING
Subject Code : UGCA-1946
M.Code : 91690
Date of Examination : 18-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

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

SECTION-A

1. **Write briefly :**

- a) What is R Programming?
- b) List the differences between vector and list.
- c) Write syntax of if else in R.
- d) What are data frames in R?
- e) How do you create a table in R?
- f) Differentiate using all() and any() functions in R Programming.
- g) How can we write output to a file in R?
- h) What is a reference class in R Programming?
- i) Write R script to create a line graph.
- j) How do you take a random sample of data in R?

SECTION-B

2. What is a Vector in R? Explain operations on Vectors.
3. How to create a list and demonstrate all the ways of accessing a list component.
4. Write a R program to create two 2×3 matrix and add, subtract, multiply and divide the matrixes.
5. How to plot multiple curves in same graph? Explain with example.
6. Explain the concept of classes in R programming with an example.
7. Write a detailed note on R Programming debugging facilities.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.