

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 : 09-01-2023

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 :

- What is a batch code in R Programming?
- What is a vector recycling in R Programming?
- What is difference between matrix and vector in R?
- What is a recursive list in R Programming?
- How do you create data frame in R Programming?
- Write syntax of for loop used in R Programming?
- Write a function to get the square of a number in R Programming.
- What is class () function R?
- How to save graphs to files in R?
- What is R debug? List the debug functions used in R.

SECTION-B

2. Write down the steps used to install R in windows.
3. List and explain ten string manipulation functions in R Programming.
4. How to create, name and modify matrices in R? Explain with example.
5. Write a detailed note on list operations in R Programming.
6. Explain the concept of object oriented programming in R. Also compare S3 and S4 Classes.
7. Explain the types of graph plotting in R with example.

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.