Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐

Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(IT)   (Sem.–6)

R PROGRAMMING

Subject Code : UGCA-1946
M.Code : 91732
Date of Examination : 06-07-22

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 Interactive mode?

   b) Define filtering.

   c) Write the use of data frames.

   d) What is Recursive list?

   e) What are string manipulation functions?

   f) Write concept of S3 class.

   g) Define regular expression.

   h) What is debugging tool?

   i) What is Random sampling?

   j) Define use of simulation.

SECTION-B

2. Write a short note on Matrices and arrays. How they are declared?

3. Explain the control statements used in R programming structures.

4. What are I/O operations? How would you read and write files in R programming?

5. Give the use of Graphics in R Programming. Discuss 3D plots.

6. Write a short note on debugging principles. How it is used in R Programming?

7. Explain the steps of Installing R programming on Personal computer.

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