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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 : 03-01-2023

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 :

- a) What is batch mode?
- b) What are Matrices?
- c) What are list operations?
- d) Write the use of factors.
- e) Write concept of S4 class.
- f) What are data frames?
- g) Define recursion.
- h) What is grep()?
- i) What are random numbers?
- j) Define use of graphics in R programming.

SECTION-B

2. Write a short note on Vectors? Write some common vector operations?
3. Explain the Arithmetic and Boolean operators used in R programming structures.
4. What are string manipulation functions? Write in detail **any one** of them?
5. Give the use of simulation in R Programming? Discuss Random sampling.
6. Illustrate principles of debugging. How debugging tool is used?
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.