

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination
Oct/Nov-2022 (OLD COURSE)
PROGRAMMING WITH R FOR DATA SCIENCE (CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Q.1(A) Answer the following questions. (04)
1. Full form of CSV.
 2. Which function is use to get current working directory?
 3. Full form of CRAN.
 4. To take user input in R which function is used.
- Q.1(B) Answer the following question. (Any one) (02)
1. What is list in R programming?
 2. What is Dataset?
- Q.1(C) Answer the following question. (Any one) (03)
1. Explain Data Frame in R.
 2. Explain List in R.
- Q.1(D) Answer the following question. (Any one) (05)
1. Explain R Data Types.
 2. Explain four basic layout of RStudio.
- Q.2(A) Answer the following questions. (04)
1. Define Variable Scope.
 2. Explain Paste.
 3. Write syntax of lapply.
 4. Which function create factor in R programming?
- Q.2(B) Answer the following question. (Any one) (02)
1. Write an example of creating a string in R.
 2. Explain seq() function.
- Q.2(C) Answers the following question. (Any one) (03)
1. Explain if and else.
 2. Explain substring() function with example.
- Q.2(D) Answer the following question. (Any one) (05)
1. List types of loops. Explain for loop with example.
 2. Explain setwd() and getwd() function.
- Q.3(A) Answer the following questions. (04)
1. Which function is used to load the Packages?
 2. Which function display current date and time?
 3. What is Instant?
 4. ETS full form.
- Q.3(B) Answer the following question. (Any one) (02)
1. Explain Parsing Dates.
 2. Explain Search Path.
- Q.3(C) Answers the following question. (Any one) (03)
1. What is Package? How to load the package?
 2. Explain Intervals, Duration and Periods.

- Q.3(D) Answer the following question. (Any one) (05)
1. How to install packages in R? Explain.
 2. Explain date time zones with example.
- Q.4(A) Answer the following questions. (04)
1. Full form of JSON.
 2. R create histogram using which function?
 3. .xlsx extension use to read which file type.
 4. Write the function name to create line graph.
- Q.4(B) Answer the following question. (Any one) (02)
1. Write syntax of Boxplot.
 2. Explain Pie Charts.
- Q.4(C) Answers the following question. (Any one) (03)
1. Explain Histogram.
 2. How to creating the scatterplot in R programming?
- Q.4(D) Answer the following question. (Any one) (05)
1. Explain line charts with example.
 2. How to work with database in R?
- Q.5(A) Answer the following questions. (04)
1. What is Process?
 2. How to managing data?
 3. Extension used for file written in R markdown?
 4. What is Problem Solving?
- Q.5(B) Answer the following question. (Any one) (02)
1. Write attributes of big data.
 2. What is R analytical flow?
- Q.5(C) Answers the following question. (Any one) (03)
1. Explain Data Manipulation.
 2. Explain Qualitative and Quantitative Data.
- Q.5(D) Answer the following question. (Any one) (05)
1. Explain Data Collection Method.
 2. Explain Report Generation in R.
