

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination**Nov/Dec-2023 (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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- Que.1(A) Answer the following questions. (04)
1. Write about Matrices in one line.
 2. Which function is use to get current working directory?
 3. What is R Studio?
 4. What is Dimensions?
- Que.1(B) Answer the following questions. (ANY ONE) (02)
1. What is list in R programming?
 2. Explain Relational operator in R.
- Que.1(C) Answer the following questions. (ANY ONE) (03)
1. Explain Indexing Data Frame in R.
 2. Explain Masking input and output formats.
- Que.1(D) Answer the following questions. (ANY ONE) (05)
1. Explain R Data Types.
 2. Explain Vectors in detail.
- Que.2(A) Answer the following questions. (04)
1. What is function in R?
 2. Define Factor.
 3. Explain break statement.
 4. List out flow-control.
- Que.2(B) Answer the following questions. (ANY ONE) (02)
1. Explain Replication.
 2. Explain file paths.
- Que.2(C) Answer the following questions. (ANY ONE) (03)
1. Explain Plyr package.
 2. Explain Debugging.
- Que.2(D) Answer the following questions. (ANY ONE) (05)
1. List types of loops. Explain any loop with example.
 2. Explain getwd() and setwd() function with example.
- Que.3(A) Answer the following questions. (04)
1. CRAN stands for_____
 2. Which function used to load packages in R?
 3. UTC full form.
 4. What is instant?
- Que.3(B) Answer the following questions. (ANY ONE) (02)
1. What is the use of package?
 2. What is EST?
- Que.3(C) Answer the following questions. (ANY ONE) (03)
1. Explain Intervals, Duration and Periods.
 2. Explain Date Class with Example.
- Que.3(D) Answer the following questions. (ANY ONE) (05)
1. How to install Packages in R? Explain.
 2. Explain Time Zones with example.

- Que.4(A) Answer the following questions. (04)
1. Full form of CSV.
 2. R create histogram using which function?
 3. JSON full form.
 4. Which function is used to create line graph?
- Que.4(B) Answer the following questions. (ANY ONE) (02)
1. Give the syntax pie charts.
 2. Give syntax of Scatterplots.
- Que.4(C) Answer the following questions. (ANY ONE) (03)
1. How to Read and write CSV File in R programming?
 2. Explain Line Charts with example.
- Que.4(D) Answer the following questions. (ANY ONE) (05)
1. Explain about Boxplot with example.
 2. How to work with Database in R?
- Que.5(A) Answer the following questions. (04)
1. What is Report?
 2. What is problem solving?
 3. What is process?
 4. What is Data?
- Que.5(B) Answer the following questions. (ANY ONE) (02)
1. Write attributes of big data.
 2. Explain use of analysis report.
- Que.5(C) Answer the following questions. (ANY ONE) (03)
1. Explain data collection method.
 2. Explain analysis in R.
- Que.5(D) Answer the following questions. (ANY ONE) (05)
1. Explain Scope of big data analysis using R.
 2. Explain Data Summarization and Presentation.
