

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2019)
Programming With R For Data Science (Core (New))

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. (03)
1. What is data analytics?
 2. XML stands for.
 3. CSV stands for.
- Que.1(B) Answer the following question. (Any two) (06)
1. What is the need of data analytic?
 2. Explain characteristics of data.
 3. Difference between structured and unstructured data.
 4. Explain matrices and array with example.
- Que.1(C) Answer the following question. (Any one) (05)
1. Describe Layout of RStudio in details.
 2. Explain R-vectors in details.
- Que.2(A) Answer the following questions. (03)
1. What is environment in R?
 2. Global environment called ____ in R.
 3. ____ function is used to show variables and functions are defined in the environment.
- Que.2(B) Answer the following question. (Any Two) (06)
1. Explain variable scope in function with example.
 2. How to create and call functions in R?
 3. Explain R Debug function.
 4. Explain factor () with example.
- Que.2(C) Answer the following question. (Any one) (05)
1. Explain Loops in R with example.
 2. Explain Flow control in R with example.
- Que.3(A) Answer the following questions. (03)
1. Full form of CRAN.
 2. What is Lubridate?
 3. To access additional repositories, type _____function.
- Que.3(B) Answer the following question. (Any two) (06)
1. What is Packages in R?
 2. How to install packages in R?
 3. Format dates with example.
 4. Give example of arithmetic calculation with dates.

- Que.3(C) Answer the following question. (Any one) (05)
1. Describe Date class in details.
 2. Explain Time Zone in details.
- Que.4(A) Answer the following questions. (03)
1. JSON Stands for.
 2. The xml file is read by R using the function _____.
 3. ____ function is used to create tables in R using MySQL.
- Que.4(B) Answer the following question. (Any two) (06)
1. Explain Excel and JSON files in R with example.
 2. How to insert data into table in R using MySQL?
 3. Explain Bar Charts in R with example.
 4. Explain Boxplot in R with example.
- Que.4(C) Answer the following question. (Any one) (05)
1. Explain Pie charts in R with example.
 2. Explain Line charts in R with example.
- Que.5(A) Answer the following questions. (03)
1. What is Business Analytics?
 2. YAML stands for.
 3. _____ files are meant to contain text written in markdown.
- Que.5(B) Answer the following question. (Any two) (06)
1. Explain R- Analytical Process flow.
 2. Explain R-Markdown.
 3. Generate simple presentation using R.
 4. What is Knitr?
- Que.5(C) Answer the following question. (Any one) (05)
1. Explain types of Data Collection Methods.
 2. How to generate report using R-Markdown?
