

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination
OCT/NOV-2025 (AS PER SYLLABUS YEAR JUNE-2024)
Programming with R for Data Science (Core (New-23))

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) Full form of CSV.
 - (2) Define Variable.
 - (3) Full form of XML.
- Que.1(B) Answer the following question. (Any Two) (06)
- (1) Explain Classification of Data.
 - (2) Explain Array.
 - (3) Explain Matrix.
 - (4) Explain scan() and readline() function.
- Que.1(C) Answer the following question. (Any One) (05)
- (1) Explain Characteristics of Data.
 - (2) Explain Vector in detail.
- Que.2(A) Answer the following questions. (03)
- (1) Define Environment.
 - (2) Define break statement.
 - (3) Define next statement.
- Que.2(B) Answer the following question. (Any Two) (06)
- (1) Explain Function in R programming.
 - (2) Explain Vectorized If Statement.
 - (3) Explain for loop with example.
 - (4) Explain repeat loop with example.
- Que.2(C) Answers the following question. (Any One) (05)
- (1) Explain String in R programming.
 - (2) Explain Factor in R programming.
- Que.3(A) Answer the following questions. (03)
- (1) Which function is used to install package in R?
 - (2) Full form of CRAN.
 - (3) Define library() function.
- Que.3(B) Answer the following question. (Any Two) (06)
- (1) Explain time() and timezone() function.
 - (2) Explain Search path in package.
 - (3) How to maintain package in R programming?
 - (4) Explain year(), month() and mday() function.
- Que.3(C) Answer the following question. (Any One) (05)
- (1) Explain date-time using a string with function.
 - (2) Explain Packages in R programming.
- Que.4(A) Answer the following questions. (03)
- (1) Full form of JSON.
 - (2) Define plot() function.
 - (3) Define hist() function.

- Que.4(B) Answer the following question. (Any Two) (06)
- (1) How to read and write data in Excel file.
 - (2) Explain Histogram.
 - (3) Explain Boxplot.
 - (4) How to read and write data in XML file.
- Que.4(C) Answer the following question. (Any One) (05)
- (1) Explain Pie chart.
 - (2) Explain Bar chart.
- Que.5(A) Answer the following questions. (03)
- (1) Full form of EDA.
 - (2) What is Bigdata?
 - (3) Define process.
- Que.5(B) Answer the following question. (Any Two) (06)
- (1) Explain Data Collections Method.
 - (2) Explain Data Summarization and Presentation.
 - (3) Explain Data Manipulation Using R.
 - (4) Explain Report Generation Using R.
- Que.5(C) Answer the following question. (Any One) (05)
- (1) Explain Big Data analytics using R.
 - (2) Explain Business Foundation Analytics Using R.
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