

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination
OCT/NOV-2025 (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) R was created by _____.
 - (2) Use _____ function to find out the name of the current Working Directory.
 - (3) Full form of CSV file.
- Que.1(B) Answer the following question. (any two) (06)
- (1) What is Vector in R?
 - (2) Difference between structured and unstructured data.
 - (3) Explain Characteristics of data.
 - (4) How to modify a data Frame in R?
- Que.1(C) Answer the following question. (any one) (05)
- (1) Describe Basic Layout of RStudio.
 - (2) Explain R Data Types.
- Que.2(A) Answer the following questions. (03)
- (1) Global Environment can be referred to as _____ in R.
 - (2) _____ function combines string together.
 - (3) R provides slightly more C-style formatting with _____ functions.
- Que.2(B) Answer the following question. (any two) (06)
- (1) Explain Flow Controls in R.
 - (2) Explain the plyr package.
 - (3) Explain Loop control statements in R with example.
 - (4) How to splitting strings in R?
- Que.2(C) Answer the following question. (any one) (05)
- (1) Explain types of Loops in R with Example.
 - (2) Explain Functions in R with example.
- Que.3(A) Answer the following questions. (03)
- (1) _____ function is used to load the packages.
 - (2) Full form of CRAN.
 - (3) _____ is used for AM/PM indicator in the formatting dates.
- Que.3(B) Answer the following question. (any two) (06)
- (1) What is Packages in R?
 - (2) How to Maintain Packages in R?
 - (3) How to work Arithmetic with Dates and Time?
 - (4) Explain Time Zone.
- Que.3(C) Answer the following question. (any one) (05)
- (1) How to install Packages in R?
 - (2) Explain Date and Time classes.
- Que.4(A) Answer the following questions. (03)
- (1) We can query the database tables in MySql using function _____.
 - (2) The _____ function in R is used to create Line graph.
 - (3) R creates Histogram Using _____ function.

- Que.4(B) Answer the following question. (any two) (06)
- (1) Explain Scatterplots in R?
 - (2) Explain 3D Pie chart.
 - (3) How to getting data in R using XML files?
 - (4) Explain Bar charts in R.
- Que.4(C) Answer the following question. (any one) (05)
- (1) Reading and writing data in R using CSV file.
 - (2) How to work with Database in R?
- Que.5(A) Answer the following questions. (03)
- (1) Native R stores everything into _____.
 - (2) Full form of RAF.
 - (3) Files written in R markdown have _____extension.
- Que.5(B) Answer the following question. (any two) (06)
- (1) What is Business Analytics?
 - (2) What is knitr?
 - (3) Explain methods to summarize Data in R.
 - (4) Explain Analytical Process flow.
- Que.5(C) Answer the following question. (any one) (05)
- (1) Explain Data Collection Methods.
 - (2) Generate simple presentation using R.
