

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination
Oct/Nov. -2019 (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) C () used for?
(2) Which function is use to get current working directory?
(3) Founder of R.
(4) Full Form of XML file.
- Q.1(B) Answer the following questions: (Any One) (02)
(1) What is list in R programming?
(2) Explain Relational operator in R.
- Q.1(C) Answer the following questions: (Any One) (03)
(1) Explain Data Frame in R.
(2) What is Vector Element Sorting? Explain.
- Q.1(D) Answer the following questions: (Any One) (05)
(1) Explain R Data Types.
(2) Explain Four Basic Layout of RStudio.
- Q.2(A) Answer the following questions: (04)
(1) What is output of runif()(n=5, min=0, max=10)?
(2) Explain paste().
(3) Explain break statement.
(4) Which function create factor in R programming?
- Q.2(B) Answer the following questions: (Any One) (02)
(1) How to delete created variable?
(2) Explain plyr package.
- Q.2(C) Answer the following questions: (Any One) (03)
(1) Explain sum(), mean() functions with example.
(2) Explain Variable scope.
- Q.2(D) Answer the following questions: (Any One) : (05)
(1) List types of loops. Explain any loop with example.
(2) Explain file path with getwd() and setwd() function.
- Q.3(A) Answer the following questions: (04)
(1) CRAN stands for _____.
(2) How do you install packages in R?
(3) EST full form.
(4) What is instant?
- Q.3(B) Answer the following questions: (Any One) (02)
(1) What is the use of package?
(2) What is UTC?

- Q.3(C) Answer the following questions: (Any One) (03)
(1) Explain Intervals, Duration and Periods.
(2) Explain Date Class with Example.
- Q.3(D) Answer the following questions: (Any One) (05)
(1) How to install Packages in R? Explain.
(2) Explain Time Zones with example.
- Q.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?
- Q.4(B) Answer the following questions: (Any One) (02)
(1) Give the syntax of boxplots.
(2) Give syntax of Scatterplots.
- Q.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.
- Q.4(D) Answer the following questions: (Any One) : (05)
(1) Explain about Pie Chart Title and Colours with example.
(2) How to work with Database in R?
- Q.5(A) Answer the following questions: (04)
(1) Explain benefits of data analysis.
(2) What is process?
(3) Give the definition of Data.
(4) What is problem solving?
- Q.5(B) Answer the following questions: (Any One) (02)
(1) Write attributes of big data.
(2) Explain use of analysis report.
- Q.5(C) Answer the following questions: (Any One) (03)
(1) Describe data manipulation.
(2) Explain Scope of big data analysis using R.
- Q.5(D) Answer the following questions: (Any One) (05)
(1) Explain data collection method.
(2) Explain Roll of analysis in R.
