

M.Sc. (I.T. & C.A.) Semester - 3 (CBCS) Examination**October/November-2018****Programming With R For Data Science(CS-15)
(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) Attempt the following. (04)
1. Founder of R?
 2. C () use for?
 3. R Language was derived from?
 4. List out Atomic and Generic data structure.
- (B) Answer the following. (any one) (02)
1. Explain Relational operator in R.
 2. Explain Sequence () with suitable example.
- (C) Answer the following. (any one) (03)
1. What is Data? Explain with its characteristics.
 2. Explain List with example.
- (D) Answer the following. (any one) (05)
1. Describe basic layout of RStudio.
 2. Explain data frame with suitable example.
- Que-2 (A) Attempt the following. (04)
1. Which function is use to convert lower string into upper string?
 2. Default syntax of apply () is.
 3. Explain break and next statement.
 4. Explain paste ().
- (B) Answer the following. (any one) (02)
1. Explain R switch statement.
 2. Explain plyr package.
- (C) Answer the following. (any one) (03)
1. List out all apply (). Explain any three.
 2. Explain user define function with example.
- (D) Answer the following. (any one) (05)
1. Explain loop in R. Explain for loop with example.
 2. Explain Factors and levels of Factors.
- Que-3 (A) Attempt the following. (04)
1. To display the system time which function is used?
 2. Give the full form of CRAN.
 3. What is library?
 4. Explain the double colon operator.
- (B) Answer the following. (any one) (02)
1. How to work Arithmetic with date?
 2. What is Package?
- (C) Answer the following. (any one) (03)
1. Explain Time Zone.
 2. Explain POSIX class in detail.

- (D) Answer the following. (any one) (05)
1. Explain Dates and Time in R.
 2. Write down steps for install and load the packages.
- Que-4 (A) Attempt the following. (04)
1. XML stands for.
 2. JSON stands for.
 3. To create a Histogram which function is use?
 4. DBI stands for.
- (B) Answer the following. (any one) (02)
1. Explain line chart in R.
 2. Explain stem and leaf.
- (C) Answer the following. (any one) (03)
1. Explain read.csv and write.csv.
 2. Explain how to fetch the JSON data in R.
- (D) Answer the following. (any one) (05)
1. Explain common graphics parameter.
 2. Explain pie chart and 3D pie chart with example.
- Que-5 (A) Attempt the following. (04)
1. OLAP stands for.
 2. R Markdown file extension is?
 3. What is Data Visualization?
 4. What is Data Cleaning?
- (B) Answer the following. (any one) (02)
1. What is Big Data?
 2. Explain Analytical process flow.
- (C) Answer the following. (any one) (03)
1. Explain Data Collection Methods.
 2. Explain Knitr with Html and word document.
- (D) Answer the following. (any one) (05)
1. Explain Business Analytics Life Cycle steps.
 2. Generate simple presentation using R.
