

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination
DEC/JAN.-2020 [OLD COURSE]
PROGRAMMING WITH R FOR DATA SCIENCE(CORE)

Time: 1:30 Hours**Marks: 42****Instructions:**

1. Figure to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

-
- | | | |
|--------|---|------|
| Q.1(A) | Give the answer of the following question in one sentence | (04) |
| | <ol style="list-style-type: none">1. Seq()2. Dim()3. Length()4. Class() | |
| Q.1(B) | Give the answer of the following question in very short (any one) | (02) |
| | <ol style="list-style-type: none">1. Explain vector in R2. Explain characteristics of data in detail. | |
| Q.1(C) | Give the answer of the following question in short (any one) | (03) |
| | <ol style="list-style-type: none">1. List in R2. What are classification of data with suitable example | |
| Q.1(D) | Give the answer of the following question in detail. (any one) | (05) |
| | <ol style="list-style-type: none">1. Explain matrix & array with suitable example in R2. Explain data frames & their manipulation in detail. | |
| Q.2(A) | Give the answer of the following question in one sentence. | (04) |
| | <ol style="list-style-type: none">1. Browser in debugging2. Traceback()3. Debug()4. Trace() | |
| Q.2(B) | Give the answer of the following question in very short (any one) | (02) |
| | <ol style="list-style-type: none">1. Explain lapply, sapply with suitable example2. Explain dplyr package with suitable example | |
| Q.2(C) | Give the answer of the following question in detail (any one) | (03) |
| | <ol style="list-style-type: none">1. Explain condition in R2. Explain looping in R | |
| Q.2(D) | Give the answer of the following question in detail (any one) | (05) |
| | <ol style="list-style-type: none">1. How to handle string in R with suitable example2. User defined function in R | |
| Q.3(A) | Give the meaning of following date time format. | (04) |
| | <ol style="list-style-type: none">1. %x2. %y3. %I4. %w | |
| Q.3(B) | Give the answer of the following question in very short (any one) | (02) |
| | <ol style="list-style-type: none">1. Use of library function in R2. How to uninstall package in R | |
| Q.3(C) | Give the answer of the following question in detail. (any one) | (03) |
| | <ol style="list-style-type: none">1. How to format input date in R2. How to formatted time in R | |

- Q.3(D) Give the answer of the following question in detail. (any one) (05)
1. Package management in R
 2. Date & time in R
- Q.4(A) Explain following graph parameter. (04)
1. name.arg
 2. ylab
 3. xlim
 4. col
- Q.4(B) Give the answer of the following question in very short (any one) (02)
1. Explain scatterplots charts in R
 2. How to retrieve excel data into R
- Q.4(C) Give the answer of the following question in detail (any one) (03)
1. Explain boxplot graph with suitable example
 2. Explain Histogram with suitable example
- Q.4(D) Give the answer of the following question in detail (any one) (05)
1. How to retrieve MYSQL data into R with suitable example
 2. How to retrieve XML, JSON & webdata into R with suitable example
- Q.5(A) Give the answer of the following question in one short (04)
1. Data understanding
 2. Data preparing
 3. Data modeling
 4. Data evaluation
- Q.5(B) Give the answer of the following question in very short (any one) (02)
1. How to summarize data into R with suitable example
 2. What is big data?
- Q.5 (C) Give the answer of the following question in short (any one) (03)
1. Explain business foundation analytics using R
 2. Available data collection method for data analytics
- Q.5 (D) Give the answer of the following question in detail (any one) (05)
1. How to generate report in R
 2. Explain data flow & management for business operation & problem solving
