



SHREEH.N.SHUKLA COLLEGE OF I.T. & MGMT.

(AFFILIATED TO SAURASHTRAUNIVERSITY)

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PRELIMS EXAM (2020)

STREAM: MSCIT - 3

SUB : R FOR DATA SCIENCE

MARKS: 70

Q-1(A) ANSWER THE FOLLOWING IN ONE SENTENCE.

4

1. What is Data Analytics give need of Data Analytics?
2. What is Masking Input and Output formats?
3. Explain Classifications of data.
4. Explain Array Arithmetic.

Q-1(B) ANSWER THE FOLLOWING. (ANY ONE)

2

1. Explain data types.
2. Explain Matrices and Array.

Q-1(C) ANSWER THE FOLLOWING. (ANY ONE)

3

1. Explain Indexing Lists.
2. Explain Indexing Vectors.

Q-1(D) ANSWER THE FOLLOWING. (ANY ONE)

5

1. Explain Data Frames and indexing data frames.
2. Explain Vectors with recycling and repetition.

Q-2(A) ANSWER THE FOLLOWING IN ONE SENTENCE.

4

1. Explain if and else and vectorized if?
2. Give the command to start MongoDB server and client.
3. Explain lapply and sapply.
4. What is looping over arrays and looping over lists.

Q-2(B) ANSWER THE FOLLOWING.(ANY ONE)

2

1. Explain calling of functions.
2. Explain errors and warnings.



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Q-2(C) ANSWER THE FOLLOWING.(ANY ONE) 3

1. Explain string, change case, splitting string, and substrings.
2. Explain repeat, while, for loop.

Q-2(D) ANSWER THE FOLLOWING.(ANY ONE) 5

1. Explain the plyr package.
2. Explain Factors and levels of Factors.

Q-3(A) ANSWER THE FOLLOWING IN ONE SENTENCE. 4

1. Explain .libpaths () and Library ().
2. Explain LoadedNamespace() and Search ().
3. Give the full form of CRAN.
4. Explain The double colon operator::

Q-3(B) ANSWER THE FOLLOWING.(ANY ONE) 2

1. Explain The triple colon operator:::
2. Write the syntax for manually package installation for xml file reading.

Q-3(C) ANSWER THE FOLLOWING.(ANY ONE) 3

1. Write the syntax for manually package installation for excel file reading.
2. Write the note on Name space and its task.

Q-3(D) ANSWER THE FOLLOWING.(ANY ONE) 5

1. Explain Dates and Time in R.
2. Give the steps for install and load the packages.

Q-4(A) ANSWER THE FOLLOWING IN ONE SENTENCE. 4

1. What is the use of Verify?
2. What is the use of Setwd()?
3. Give the syntax of write.csv().
4. Give the full form of JSON.



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Q-4(B) ANSWER THE FOLLOWING.(ANY ONE) 2

1. convert the input xml file to a dataframe
2. Give the use of rootnode.

Q-4(C) ANSWER THE FOLLOWING.(ANY ONE) 3

1. Explain any two R charts or graphs.
2. Explain how to fetch the R web data.

Q-4(D) ANSWER THE FOLLOWING.(ANY ONE) 5

1. Give the reading and writing of JSON file format with suitable example.
2. Give the suitable example of converting JSON file into data frame.

Q-5(A) ANSWER THE FOLLOWING IN ONE SENTENCE. 4

1. What is Big data analytics?
2. What is Data flow?
3. What is predictive analytics?
4. What is data summarization?

Q-5(B) ANSWER THE FOLLOWING.(ANY ONE) 2

1. Explain Extraction and Abstraction of automatic summarization.
2. Explain typical analytical process flow.

Q-5(C) ANSWER THE FOLLOWING.(ANY ONE) 3

1. Explain Data Collection Methods.
2. Explain Analytics tools for managing data.

Q-5(D) ANSWER THE FOLLOWING.(ANY ONE) 5

1. Explain Business Analytics Life Cycle steps.
2. Explain report generation using R.

BEST OF LUCK