

RAN-2511000903044003/2511000903044002
S.Y.B.C.A. (NCF-NEP) (Sem.-III) Examination November - 2025
302-MDC-Statistical Analysis Using R (TH)
Time: 1 Hour]
[Total Marks: 25
સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
 Fill up strictly the above details on your answer book

Seat No.:

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Student's Signature

Q.1. A. Choose appropriate correct option (Any Four)
4

- What is R primarily used for?
 - Data Analysis and Statistics
 - Web Development
 - Game Designing
 - Mobile App Development
- To plot a scatter plot between variables x and y in base R, which function is used?

A) plot(x, y)	B) scatter(x, y)
C) scatterplot(x, y)	D) ggplot(x, y)
- Which R plot is best to visualize the distribution of a numeric variable?

A) Scatter plot	B) Box plot
C) Histogram	D) Bar plot
- Which of the following commands merges two data frames and keeps only the rows with matching keys?

A) full_join()	B) inner_join()
C) left_join()	D) right_join()
- What is the meaning of Skewness?

A) Spread of data	B) Central value
C) Symmetry of data	D) Correlation between variables

B. Answer in Short (Any Four)
4

- How do you create variable in R? Give Example.
- What is mean?
- List out data types of R.
- What is Range?
- Explain use of order() function.

Q.2. Answer the following:

A. Define Population and sample. Give the difference between them.

5

OR

A. What is data sampling methods? Explain random sampling.

B. Explain how to import CSV file into R.

4

Q.3. Answer the following (Any 2)

8

A. Data Cleaning in R.

B. Handling Missing Values.

C. Basic Commands of R.
