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DCCS602

VI Semester B.Sc. Degree Examination, June/July-2026
(NEP Scheme F+R)
COMPUTER SCIENCE
Statistical Computing and R Programming
Paper : DSC - 9

Time :2½ Hours **Maximum Marks : 60**

Instructions :

Answer All the Sections.

SECTION - A

I. Answer any Six questions. Each question carries Two marks. (6×2=12)

1. What is a vector?
2. What are classes?
3. What is a function?
4. What is readline() in R?
5. What is probability?
6. What is dbern() function in R?
7. What is null hypothesis?
8. What is simple linear regression?
9. What is the use of ggplot2 package?

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SECTION - B

II. Answer any Four questions. Each question carries Six marks. (4×6=24)

10. Explain the features of R programming.
11. What is Coercion? Explain.
12. Explain any two conditional statements in R with syntax and an example.
13. What is Normal Distribution? Explain.
14. Write a note on errors.
15. Write a note on 3D scatter plot.

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SECTION - C

III. Answer any Three questions. Each question carries Eight marks. (3×8=24)

16. What is basic plotting? Explain.
17. Explain in detail the different looping statements in R.
18. What is a probability mass function? Explain any two functions.
19. What is ANOVA? Explain.
20. What is Regression? Explain the concept of Multiple Linear Regression in R.