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V Semester B.C.A. Degree Examination, December/January - 2025/26**COMPUTER APPLICATIONS****Data Analytics****(NEP Scheme (F+R))****Time : 2½ Hours****Maximum Marks : 60****Instructions to Candidates:****Answer all the sections**

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Bengaluru-560018

SECTION - A**I. Answer any Four questions. Each question carries Two marks. (4×2=8)**

1. Define the term Data Analytics.
2. What is Predictive Analytics?
3. Define conditional Probability.
4. What is a Random variable?
5. List the uses of Power BI.
6. What is case study?

SECTION - B**II. Answer any Four questions. Each question carries Five marks. (4×5=20)**

7. Explain the process of Text Analytics and Web Analytics.
8. Explain the purpose of ANOVA in Hypothesis testing.
9. State and prove Baye's Theorem.
10. Explain Chi-square Test with an example.
11. Explain Logistic and Linear Regression.
12. Write a note on visualization techniques used for spatial data.

[P.T.O.]



SECTION - C

III. Answer any Four questions. Each question carries Eight marks.

(4×8=32)

13. Explain Data Analytics life cycle with a neat diagram.
14. Explain the different types of analytics with examples.
15. Explain the types of Correlation co-efficient with an example in detail.
16. Define regression. Explain with an example.
17. Explain Different Charts of Power BI.
18. Write a case study on Netflix, how it uses data analytics for content recommendation.

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