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DCCA502

Reg. No.

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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

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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