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DECA505

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V Semester B.C.A. Degree Examination, December/January - 2025/26**COMPUTER APPLICATIONS****Data Mining****(NEP Scheme 2020-2021)****Time : 2½ Hours****Maximum Marks : 60****Instructions to Candidates:**

1. Answer any **Four** questions.
2. Answer **all** the parts.

PART - A**Answer any FOUR questions. Each question carries 2 marks.****(4×2=8)**

1. Define data mining.
2. What is time series analysis?
3. Define Entropy.
4. What is Regression Analysis?
5. Define Large item sets.
6. Define sampling.

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PART - B**Answer any FOUR questions. Each question carries 5 marks.****(4×5=20)**

7. Explain ETL process.
8. Explain Bayes theorem with example.
9. Explain K-Nearest Neighbors Algorithm.
10. Define CART. Explain how it works.
11. Explain Hierarchical clustering.
12. Write a note on Association rules.

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PART - C

Answer any FOUR questions. Each question carries 8 marks.

(4×8=32)

13. Explain KDD process.
14. Explain the different data mining issues.
15. Explain C4.5 algorithm.
16. Explain how agglomerative algorithm works with example.
17. What is data parallelism? Explain.
18. Explain Apriori algorithm with example.

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