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DECA505

Reg. No.

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V Semester B.C.A. Degree Examination, January/February - 2025

COMPUTER SCIENCE

Data Mining

(NEP Scheme F+R)

Time : 2½ Hours

Maximum Marks : 60

*Instructions to Candidates:*

- 1) Answer any Four questions from each Parts.
- 2) Answer All Parts.

**PART - A**

Answer any Four questions. Each question carries Two marks.

(4×2=8)

1. What is time series analysis?
2. What is correlation analysis? Give an example.
3. Define Entropy.
4. What is predictive data mining task?
5. What is Decision Tree?
6. What do you mean by Distributed Algorithm?

**PART - B**

Answer any Four questions. Each question carries Five marks.

(4×5=20)

7. What are the difference between Data Mining and Knowledge Discovery in data base?
8. Explain Naive Bayesian Method.
9. Write short note on K-Nearest Neighbours algorithm and its applications.
10. Explain the classification of clustering algorithm.

[P.T.O.]



11. What is Descriptive Data Mining tasks? Mention the types of Descriptive Mining tasks.
12. Explain ETL process and pipelining principle in ETL.

**PART - C**

Answer any Four questions. Each question carries Eight marks. (4×8=32)

13. Explain various applications of Data Mining.
14. Explain the features of Data-ware housing.
15. Write a short note on Scalable DT Techniques.
16. Explain how K-Mean clustering algorithm is working give examples.
17. Define C4.5. Explain the key improvements of C4.5 over ID3.
18. What is Data Parallism? Explain in detail.