



1785081

DECA505

Reg. No.

--	--	--	--	--	--	--	--

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 - AAnswer 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.

**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.

[P.T.O.]





(2)

DECA505

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.
-