

Reg. No. :.....

Name :.....

**VI Semester B.C.A. Degree (C.B.C.S.S. - OBE - Regular/Supplementary/
Improvement) Examination, April 2023
(2019 and 2020 Admissions)
Discipline Specific Elective
6B20BCA-E01 : DATA MINING AND DATA WAREHOUSING**

Time :3 Hours

Max. Marks: 40

PART - A

Answer **all** questions. Each question carries 1 mark.

1. What is a database maintained separately from an organizations operational database called as ?
2. What is decision tree used for ?
3. Expand CART.
4. Write an example for categorical clustering.
5. What is entropy ?
6. Which association rule mining algorithm is suited for transaction databases with frequent updates?

PART – B

Answer **any six** questions. Each question carries 2 marks.

7. Define association rule.
8. What are frequent episodes ?
9. What is prediction ?
10. What is meant by support of an itemset ?
11. What is the main difference in Pincer-search algorithm compared to Apriori algorithm ?

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- 12. What is a verification model ?
- 13. What is temporal data mining ?
- 14. What is a core object in DBSCAN ?

PART C

Answer **any four** questions. Each question carries 3 marks.

- 15. Describe the subject oriented feature of data-warehouse.
- 16. Write notes on problem decomposition.
- 17. Describe data refresh.
- 18. Differentiate upward closure property and downward closure property.
- 19 List all the stage in KDD.
- 20. Differentiate hierarchical and partitioning clustering methods.

PART – D

Answer **any two** questions. Each question carries 5 marks.

- 21. Write notes on DBSCAN and the concepts introduced by it.
- 22. Compare C4.5 and CHAID.
- 23. Describe the difficulties in data mining.
- 24. Describe star schema.