M. Tech 1st Semester (CSE)-(CBCS Scheme)
Examination, Dec–2022
DATA WAREHOUSE AND MINING
Paper– MTCSE21 C4

Time allowed : 3 hours]   [Maximum marks : 100

Note: Question No. 1 is compulsory. Attempt any five questions by selecting one question from each unit. All questions carry equal marks.

1.   (a)   What is a Data Cube? Give its different variations.

     (b)   What is Data Mining? Write its advantages, limitations, and application.

     (c)   Why do we use KDD? Write the steps involved in KDD Process.

     (d)   What is Web Structure Mining?

Unit-I

2.   What is a Data warehouse? Discuss design guidelines for data warehouse implementation.

3.   What is OLAP? What are its characteristics of it? What are the types of OLAP Servers? Write and explain LAP Operations.

Unit-II

4.   Explain Direct Hashing and Pruning (DHP). How do you do the performance evaluation of algorithms?

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5. Explain the Apriori algorithms in detail. What are the limitations of the Apriori Algorithm?

Unit-III

6. Explain the Decision Tree. Explain the Tree Induction Algorithm by taking a suitable example.

7. What are the benefits of using the Nave Bayes method over other competitors' strategies? Explain it in detail.

Unit-IV

8. What is Web Data mining? Write its characteristics. What is the difference between Data mining and Web data mining?

9. What is Cluster analysis? Explain partitioned methods, and hierarchical methods in context with cluster analysis.