

Roll No. _____

22641

M.Tech. 1st Semester (CSD CBCS Scheme)
Examination – February, 2022
DATA WAREHOUSE AND MINING

Paper : MTCSE21C4

Time : Three hours)

[Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* question from each Unit. Question No. 1 *compulsory*. All questions carry equal marks.

1. Write short note on the following : 5 × 4 = 20
- (a) Data Cube Operations.
 - (b) Apriori Algorithm.
 - (c) Tree induction algorithm.
 - (d) Cluster Software for Cluster Analysis.

UNIT - I

2. Define OLAP. Explain its characteristics types. 20
3. What is Data Warehouse ? What is 3-tier data warehouse architecture ? Explain. 20

UNIT - II

4. What is direct hashing and pruning ? Explain its methods in detail. 20
5. Write short notes on the following: 10 * 2 = 20
 - (a) Association Rule Mining
 - (b) Naive Algorithm

UNIT - III

6. What is KDD Insurance Risk Assurance ? How it is useful ? Justify by taking Case Study. 20
7. Explain various classification method for Data Mining. 20

UNIT - IV

8. What is Cluster Analysis ? Explain its various methods in detail. 20

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9. What is Web Data Mining ? Which software are used for Web Data Mining ? Explain about any two of them. 20

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