

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

Roll No .....

## **CS-703(B)-CBGS**

### **B.Tech., VII Semester**

Examination, December 2020

## **Choice Based Grading System (CBGS)**

### **Data Mining and Warehousing**

*Time : Three Hours*

*Maximum Marks : 70*

**Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Explain the various steps involved in knowledge discovery.  
b) What are the issues to be considered during data integration?
2. a) Explain with diagram, a three tier data warehouse architecture.  
b) Explain OLAP operations with examples.
3. a) Explain rule generation in Apriori Algorithm.  
b) Discuss the activities of data cleaning with the process associated with it.
4. a) Differentiate between:  
i) OLAP and OLTP  
ii) ROLAP and MOLAP  
b) What are the advantages of Decision tree induction?
5. a) What is the need of Data Preprocessing? Discuss various forms of preprocessing.  
b) Briefly explain the major issues and challenges of Data Mining.

CS-703(B)-CBGS

PTO

[2]

6. a) List out the differences between classification and clustering methods with example.
- b) Write short notes:
  - i) Rule based algorithms
  - ii) Distance based algorithms
  
7. a) Explain FP growth algorithms.
- b) Explain various alternative methods for generating frequent item sets.
  
8. Write short notes:
  - i) DBSCAN
  - ii) BIRCH
  - iii) Partitional Algorithm
  - iv) Hierarchical Algorithms

\*\*\*\*\*