Roll No ....

CS-8003 (2) (CBGS)
B.E. VIII Semester
Examination, November 2019
Choice Based Grading System (CBGS)
Data Mining

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. Briefly explain the Data Warehouse Models with an example.   14

2. a) Describe OLAP operations in Multidimensional Data Model.   8

    b) Write the difference between OLAP and OLTP.   6

3. What is the need of Data Preprocessing? Discuss various forms of preprocessing.   14

4. a) Discuss FP-Growth algorithm with an example.   7

    b) Explain the methods to improve the efficiency of Apriori Algorithm.   7

5. a) Discuss the concept of Naive Bayes Method for classifying data tuples.   8

    b) Discuss categorization of clustering methods.   6

6. Write a short note on following:
    a) Supervised and Unsupervised Learning with an example. 5
    b) OLAP Servers   5
    c) Multilevel Association Rules   4

7. Briefly explain major issues and challenges of Data Mining.   14

8. Write a short note on following:
    a) Data Mining Functionalities   8
    b) Data Warehouse Architecture   6

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