

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
