I M.Tech - II Semester-Regular/Supplementary Examinations
JULY 2017

DATA WAREHOUSING AND DATA MINING
(COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours   Max Marks: 70

Answer any FIVE questions.   All questions carry equal marks

1. a) Data mining is a step in the process of Knowledge Discovery from the databases (KDD). Justify your answer.

    6 M

    b) Discuss about mining methodology and user interaction issues of Data Mining.   8 M

2. a) Explain various methods for Data cleaning in detail.   7 M

    b) What is concept hierarchy? How it is used for data discretization?   7 M

3. a) With a neat sketch explain the architecture of data warehouse.   6 M

    b) What is efficient computation of data cubes in data warehouse implementation?   8 M

4. a) Differentiate between Star and snowflake schemas of Multidimensional model. 7 M

   b) Discuss the role of data cube technology in processing of advanced queries. 7 M

5. a) Discuss about mining frequent item sets without candidate generation. 7 M

   b) Discuss about mining high dimensional data and colossal patterns. 7 M

6. a) Explain Naïve Bayesian Classification. 6 M

   b) What are Support Vector Machines? Discuss the role of SVM in classification. 8 M

7. a) Explain DBSCAN Algorithm with example. 9 M

   b) Discuss about Clustering with Constraints. 5 M

8. a) What is outlier Analysis? Discuss any two methods for outlier detection. 8 M

   b) Discuss about Descriptive Mining of Complex Data objects. 6 M