

Roll No

MSE-302(A)**M.E./M.Tech., III Semester**

Examination, December 2017

Data Warehousing and Mining

(Elective - I)

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
ii) Each question carry equal marks.

1. a) Discuss the issues and challenges in Data Mining. 7
b) Explain the system development life cycles in Data Warehouse Environment. 7
2. a) Discuss the differentiate between DBMS and Data Mining. Also list strength and weaknesses of multidimensional DBMS Data Mart. 7
b) Explain the OLAP operations in the multidimensional data models. 7
3. a) Write the apriori algorithm for discovering frequent item sets for mining Boolean association rules. 7
b) Explain hierarchical clustering algorithms for categorical attributes. 7
4. a) Explain basic concepts and output knowledge representation of data classification. 7
b) Explain ID-3 algorithm for decision trees. 7

5. a) Explain briefly: 7
i) Web mining
ii) Web structure mining
b) Write down the application of neural network and fuzzy logic in data mining. 7
6. a) Explain how Data Mining is used in banking industries. 7
b) What is spatial mining? What tasks are performed in spatial mining? 7
7. a) Explain SPADE and WUM algorithms. 7
b) What technique are employed for image and video retrieval. 7
8. Write short notes on: 14
a) CACTUS
b) DBSCAN
c) Features extraction
d) Motion analysis

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