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Roll No

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

Examination, November 2018

Data Warehousing and Mining**(Elective - II)****Time : Three Hours****Maximum Marks : 70****Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What is data mining functionality? Explain different types of data mining functionality with example.
b) Discuss the issues in data mining in detail.
2. a) What are the challenges we face in data mining? Also give the application areas of data mining.
b) With a neat diagram explain the architecture of data mining.
3. a) Explain how data mining system can be integrated with database/data warehouse system.
b) Describe different types of data in cluster analysis.
4. Discuss about constraint based association rule mining with example and state how association mining to correlation analysis is dealt with.

5. a) Summarize the basic differences between OLTP and OLAP systems design.
b) Describe different partition methods in cluster analysis.
6. a) Explain the algorithm for constructing a decision tree from training samples.
b) Explain briefly:-
i) Web usage mining
ii) Web content mining
7. a) What is spatial database? Explain the methods of mining spatial database.
b) How Neural and fuzzy logic is used for data mining?
8. a) What do you understand by content based image and video retrieval?
b) Write short notes on: (any two)
i) SPADE
ii) Event prediction
iii) Episode Discovery
iv) Knowledge Discovery.
