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Roll No ....

MCSE - 301(A)
M.E./M.Tech. III Semester
Examination, June 2016
Data Warehousing and Mining (Elective - I)
Time : Three Hours

Maximum Marks : 70

Note: Attempt any five questions. All questions carry equal marks.

1. a) What kind of problems may aries when we try to find knowledge from a DBMS? What are the alternative ways to do so?

   b) Discuss the areas where we can apply the data mining.

2. a) What are the drawback of apriori algorithm to generate associations rules? How the algorithm can be made more efficient?

   b) Explain Pincer search algorithm with suitable example.

3. a) Write and explain k-medoid clustering algorithm with suitable example.

   b) How to form a cluster using hierarchical approach? Explain any one algorithm.

4. a) How to create a decision tree of a given data in order to find classification rules? Explain with the help of example.

   b) Explain any one approach to find interesting patterns from web log data.

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5. a) What kind of data mining task can be achieved by neural Network?

   b) Explain sequential data mining in detail. How to find out frequent sub sequences from sequential data?

6. a) Explain various spatial mining tasks with suitable examples.

   b) Explain the following in short

   i) Time series analysis

   ii) Episode discovery

7. a) How to represent the image or video in the memory in order to perform analysis?

   b) Explain the different ways to extract features from the images.

8. Write short notes on any two:

   a) Motion analysis in video data

   b) Usage of genetic algorithm in DM

   c) Web content mining

   d) Temporal data mining

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