Roll No ....

MCTA-301(A)/MCIT-301(B)
M.E./M.Tech. III Semester
Examination, June 2014
Data Mining and Ware Housing (Elective-I)
Time : Three Hours

Maximum Marks: 70

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

1. a) Explain Data mining is one step of KDD. Why data should be preprocessed before applying any data mining techniques?

   b) Explain data mining issues related to performance. How these issues can be resolved?

2. a) Explain with suitable example that partitioning algorithm read or scan database only two times in order to get frequent item sets.

   b) How rules are generated when we have frequent items sets? Explain with example.

3. a) Differentiate k-medoid with k-mean in the context of performance. Write CLARANS algorithm.

   b) What do you mean by hierarchical clustering?

4. a) Explain back propagation algorithm which classified data into appropriate class.

   b) Explain the Role of genetic algorithm in data mining.

5. a) Explain one fuzzy method in order to create clusters.

   b) What are the different types of web mining?

6. a) Can we apply apriori algorithm in order to find out frequent sub sequence from sequence data base? If yes then Explain algorithm with example.

   b) Explain the following (i) Temporal data mining (ii) Time series analysis.

7. a) What kind of features can be extracted from a image and what kind of analysis can be performed using these features.

   b) Explain the applications of data mining in banking and commerce area.

8. Write short note on any two :

   a) DBMS Vs Data Mining

   b) OLAP Operations

   c) ANN in Data Mining

   d) Episode discovery.

******