

Code No: D5809

M.Tech. II Semester [R09] Regular/Supplementary Examinations, October, 2012
DATAWARE HOUSING AND DATA MINING
(Com. to CS, SE CS & E and NN)

Time: 3 Hours

Max Marks: 60

Answer any FIVE Questions
All Questions carry equal marks

1. a. Draw and explain the architecture of a typical data mining system.
b. Why data mining functionalities are used? Explain with an example data characterization and data discrimination.
2. a. Briefly describe various forms of data pre-processing.
b. What is data integration? Discuss the issues to be considered for data integration.
3. a. What is a concept hierarchy? Describe the OLAP operations in the Multidimensional data model.
b. What is association and correlation? With an example describe classification and prediction.
4. What is Analytical characterization? What is the need to perform attribute relevance analysis? Briefly describe available methods for attribute relevance analysis.
5. a. What is attribute selection measure? Briefly describe the attribute selection measures for decision tree induction.
b. With an example, explain the classification by decision tree induction.
6. a. What are Bayesian classifiers? With an example, describe how to predict a class label using naive Bayesian classification.
b. Describe how categorization of major clustering methods is being done.
7. a. What is partitioning method? Describe k-means clustering algorithm.
b. What is Grid based clustering? Describe any one Grid based clustering algorithm.
8. a. What is web structure mining? Briefly describe web usage mining.
b. What is multimedia data? Briefly describe the similarity search in multimedia data.

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