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Code No: B5801, B2502

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH II SEMESTER EXAMINATIONS, APRIL/MAY 2012
DATA WAREHOUSING AND MINING
(COMMON TO COMPUTER SCIENCE & ENGINEERING, SOFTWARE ENGINEERING)

Time: 3hours **Max. Marks: 60**

Answer any five questions
All questions carry equal marks
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1.a) How is a data warehouse different from a database? How are they similar to each other?
b) Describe three challenges to data mining regarding data mining methodology and user-interaction issues.

2.a) Explain in detail concept hierarchy generation for categorical data.
b) Compare and contrast characterization and discrimination.

3. Explain Apriori and FP growth algorithms. Compare efficiency of the two mining processes.

4. Give the general syntax of DMQL statements. Illustrate with examples.

5.a) Write short notes on box-plot summary.
b) Discuss analysis of attribute relevance.

6. List the strengths and weakness of K-mean and K-medoids in comparision with AGNES.

7.a) Discuss various issues regarding Classification and Prediction.
b) Write short notes on Bayesian Classification.

8. Write short notes on the following
a) Mining the WWW.
b) Multimedia Databases
c) Complex Data Objects

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