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Code No: A4001

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech I Semester Examinations, October/November 2011
DATA WAREHOUSING AND MINING
(INFORMATION TECHNOLOGY)

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

Answer any five questions
All questions carry equal marks

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1) List the data mining functionalities. Give examples of each one, using a real-life database with which you are familiar. [12]

2) a) Briefly discuss about the min-max normalization.
   b) Briefly describe how chi-merge works. [12]

3) Explain the data mining primitives and query language architecture of data mining system. [12]

4) a)How would you calculate the relevance of attribute? Why.
   b) Briefly discuss about the statistical measures in large databases. [12]

5) Write an algorithm for finding frequent item sets using Apriori? Give a short example. [12]

6) What are the major steps of decision tree classification? Explain each one. [12]

7) Why is outlier mining important? Briefly describe the different approaches behind statistical based outlier detection and distance based outlier detection. [12]

8) Write short note on
   a) Mining WWW b) Mining Time Series and sequence data. [12]

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