Code: 9A05706 **R09**

B.Tech IV Year I Semester (R09) Regular & Supplementary Examinations December 2014

DATA WAREHOUSING & DATA MINING

(Computer Science and Engineering)

Time: 3 hours Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1 (a) Explain the functionalities of data mining.
(b) Discuss various data transformation techniques.

2 (a) Explain the 3-tier architecture of a data warehouse with the help a diagram.
(b) Explain various OLAP operations.

3 (a) Explain Apriori algorithm for mining association rules.
(b) Define the terms ‘Support’ ‘Confidence’ and ‘Frequent item set’

4 (a) Explain the decision tree classifier with an example.
(b) Define various measures for classifier/predictor accuracy.

5 (a) Explain various kinds of data for cluster analysis.
(b) Explain the K-means algorithm for clustering.

6 (a) Explain the techniques for mining time series data.
b) (Explain how transactional data are mined as sequence patterns.

7 (a) Explain text mining.
(b) Explain how mining can be performed on multimedia data.

8 Write short notes on the following:
(a) Social impacts of data mining.
(b) Data tube.
(c) Tree pruning.

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