B.Tech III Year II Semester (R09) Regular & Supplementary Examinations June 2014
DATA WAREHOUSING AND DATA MINING
(Information Technology)

Time: 3 hours   Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

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1   Explain the following:
 (a) Data integration.
 (b) Data transformation.
 (c) Data cleaning.

2 (a) With a diagram give brief description of various components of three-tire data warehousing architecture.
 (b) Compare and contrast data warehouse and data mart. Also signify the reasons for creating data mart.

3 (a) How is association rules mined for larger databases? Explain.
 (b) Explain in detail constraint based association mining.

4 (a) Explain how Bayesian belief networks are trained to perform classification.
 (b) What is decision tree? Explain how classification is done using decision tree induction.

5   What are the different types of data used in clustering analysis? Explain in brief with examples.

6 (a) Discuss about mining time series and sequence data.
 (b) What are the cases and parameters for sequential pattern mining?

7 (a) How is web mining different from web structure mining and web content mining?
 (b) Explain about spatial data mining.

8 (a) Discuss about the social impact and various trends in data mining.
 (b) Explain an application of data mining over biological data analysis.

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