

**R07****Code: R7321205**

B.Tech III Year II Semester (R07) Supplementary Examinations December/January 2015/2016

**DATA WAREHOUSING & DATA MINING**

(Information Technology)

(For 2008 regular admitted batch only)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) What is classification of Data Mining?  
(b) Explain Data transformation and Data reduction.
- 2 (a) What is data warehouse?  
(b) Write the differences between operational database systems and data warehouses.
- 3 (a) Define data mining task.  
(b) Explain about data mining query language.
- 4 (a) Explain Quantitative characteristic rule.  
(b) Explain analytical characterization.
- 5 What is association rule mining? Describe briefly with an example.
- 6 Explain Decision tree induction algorithm with an example.
- 7 Write short notes on:
  - (a) Cluster analysis.
  - (b) Data segmentation.
  - (c) Supervised learning.
  - (d) Unsupervised learning.
- 8 (a) Explain the methods for sequential pattern mining.  
(b) Describe the association and co-location patterns of spatial data mining.

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