R09

B.Tech IV Year II Semester (R09) Regular & Supplementary Examinations April 2016
DATA WAREHOUSING & DATA MINING
(Electronics and Computer Engineering)

Time: 3 hours   Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1 (a) Draw and explain the architecture of typical data mining system.
   (b) Differentiate OLTP and OLAP.

2   Explain various data reduction techniques.

3   Write the syntax for the following data mining primitives:
   (a) The kind of knowledge to be mined.
   (b) Measures of pattern interestingness.

4 (a) What are the differences between concept description in large data bases and OLAP?
   (b) Explain about the graph displays of basic statistical class description.

5 (a) Which algorithm is an influential algorithm for mining frequent item sets for Boolean association rules? Explain.
   (b) What are additional rule constraints to guide mining? Explain.

6   Discuss about Backpropagation classification.

7 (a) Discuss about binary, nominal, ordinal and ratio-scaled variables.
   (b) Explain about grid-based methods.

8 (a) How to mine multimedia databases? Explain.
   (b) Define web mining. What are the observations made in mining the web for effective resource and knowledge discovery?
   (c) What is web usage mining?

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