Code: R7410503

R07

B.Tech IV Year I Semester (R07) Supplementary Examinations, May 2013
DATA WAREHOUSING AND DATA MINING
(Computer Science and Engineering)

Time: 3 hours   Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

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1. (a) Explain the process of knowledge discovery.
    (b) Discuss principle component analysis.
    (c) How to handle noisy data?

2. (a) Give the three tier architecture of a data warehouse and explain the components.
    (b) Explain OLAP operations.

3. (a) Give the DMQL syntax for task relevant data.
    (b) Explain designing graphical user interfaces based on data mining query language.

4.   What is meant by attribute relevance? How to analyze it? Explain its importance in concept
         description. Quote suitable examples.

5. (a) How to measure the classifier's accuracy?
    (b) Discuss log linear model.
    (c) Write a note on rough set approach for classification

6. (a) What is the necessity of outlier analysis? Explain briefly the approaches for outlier
         detection.
    (b) Discuss DBSCAN algorithm.

7.   Discuss Apriori algorithm, its limitations and mechanisms to improve the efficiency of
         Apriori.

8. (a) Write a note on latent semantic indexing.
    (b) Discuss the taxonomy of web mining.
    (c) Explain spatial warehouse and its content.

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