

Code: R7 421504

R7

B.Tech IV Year II Semester (R07) Advanced Supplementary Examinations, June 2012

DATA WAREHOUSING AND DATA MINING

(Electronics and Computer Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions

All questions carry equal marks

- 1 (a) Explain the data warehousing characteristics and architecture.
(b) Explain the data warehousing components and building a data warehouse.
- 2 (a) What is data preprocessing? Explain the data preprocessing with examples.
(b) Explain mapping the data warehouse to multiprocessor architecture.
- 3 (a) Give a top-down view of a company with users classified to access different types of data access by data warehouse system.
(b) Describe the categorization of data access by role or job function.
- 4 (a) Explain about data mining Query language.
(b) Explain DMQL characterization and comparison.
- 5 (a) Explain the data mining functionalities, classification of data mining system.
(b) Explain the data mining primitives.
- 6 (a) Explain the mining association rules in large databases.
(b) Describe the ID3 algorithm of the decision tree construction. Why is it unsuitable for data mining applications?
- 7 (a) What is concept hierarchy? How is it related to web mining?
(b) Discuss the principle underlying text clustering.
- 8 Explain the following databases for mining:
 - (a) Mining spatial databases.
 - (b) World wide web.
 - (c) Time series and sequence data.
