

Roll No.

8814

Printed Pages : 3

BT-8 / M12

DATA WAREHOUSING AND DATA MINING

Paper-IT-472

Time allowed : 3 hours

[Maximum marks : 75]

Note : Attempt five questions in all, selecting at least one question from each unit.

Unit-I

1. (a) Define data warehouse. Discuss the historical evolution of data warehousing. 8
(b) How can you design a business data warehouse? Explain. 7
2. (a) How do you populate a data warehouse? Explain. 8
(b) What is conceptual data architecture of a data warehouse? Explain. 7

Unit-II

3. (a) How can you unlock the data asset for an end user? Explain. 7

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(2)

- (b) What is business information house? How a user can access information from it? 8
4. (a) What are the operations performed by data warehouse manager? Explain. 7
(b) Discuss the obstacles faced by the designer in implementing a data warehouse? How does a data warehouse designer justify the data warehouse? 8

Unit-III

5. What do you understand by predictive modeling for classification? Discuss the classification by decision tree induction. 15
6. Differentiate between OLAP and OLTP. Discuss the OLAP technology for data mining. 15

Unit-IV

7. (a) Discuss the procedure of mining multi-dimensional association rules from relational database. 7

(3)

- (c) What do you mean by data mining ? Explain the system architecture and graphical user interface used for data mining. 8

8. Write short notes on :

- (a) Analysis of attribute relevance 5
(b) Constraint-based association 5
(c) Data integration and transformation. 5