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DATA WAREHOUSING AND DATA MINING

IT-472

Time : Three Hours]   [Maximum Marks : 75

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. What is Data Warehouse ? Discuss the historical evolution of the concept of Data Warehouse. **15**

2. (a) Discuss the characteristics of data stored in Data Warehouse. **7**

   (b) How can you create assets for Data Warehouse ? Explain. **8**

Unit II

3. What is business information warehouse ? How do you design it ? How do you populate it ? How can a user access information from it ? **15**

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4. (a) Discuss the obstacles in implementing Data Warehouse. **8**

   (b) Discuss the organizational implications of data warehousing. **7**

Unit III

5. (a) Define Data Mining. Discuss major issues involved in data mining. **7**

   (b) Discuss different classes of data mining systems. http://www.kuonline.in **8**

6. (a) Explain the OLAP technology used for data mining. **7**

   (b) Differentiate among database, data warehouses and data mart. **8**

Unit IV

7. (a) Explain the terms data transformation, data discretization and hierarchy generation. **8**

   (b) Explain generalization and summarization based characterization of data. **7**

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8. (a) Discuss the procedure of mining single-dimensional Boolean association rules from transaction database. 7

(b) Explain constraint based association mining.

8