2009

Subject Code—611

M.C.A. EXAMINATION

(Fifth Semester)

MS-31

DATA WAREHOUSING AND DATA MINING

Time : 3 *Hours*   *Maximum Marks* : 100

Note : Attempt any *Five* questions. All questions carry equal marks.

1. (a) What factors made organizations to adopt the concept of data warehouse ?

   (b) Briefly describe 3-tier data warehouse architecture.

2. Briefly compare the following with the help of suitable examples :

   (a) Data clearing, data transformation, refresh

   (b) Enterprize warehouse, data mart, virtual warehouse.

3. (a) What do you mean by tuning and testing ? How is it useful for data warehouse ?

(b) What is OLAP ? Explain modeling OLAP data with example.

4. What are the different phases of the knowledge discovery from databases ? Describe a complete applications scenario in which new knowledge may be mined from an existing database of transactions.

5. (a) What are association rules ? How are these helpful for data mining ?

(b) Compare spatial and multimedia databases.

6. (a) Explain and discuss various features of a typical DMQL.

(b) Explain various knowledge representation techniques used in data mining to express mined knowledge.

7. Explain Bayesian classification. Also explain classification of back propagation.

8. Write short notes on the following :

(a) Data Warehouse Usage

(b) Social impacts of Data Mining

(c) Rough Sets

(d) GUIs.