

June-2008

Roll No.

Subject Code—9464-X

M.C.A. EXAMINATION

(Fifth Semester)

(Re-appear)

MS-31

DATA WAREHOUSING AND DATA MINING

Time : 3 Hours

Maximum Marks : 100

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

1. What is Data Mining ? Explain how the evolution of database technology led to data mining ? Describe the steps involved in data mining when viewed as a process of knowledge discovery. 20
2. Explain the architectures and design techniques used in Data Warehousing. 20

(1-40)

P.T.O.

3. (a) List and describe the five primitives for specifying a data mining task. 10
- (b) What do you mean by dirty data ? Explain its various classes and also mention solutions to handle these situations. 10
4. Explain mining multilevel association rules from transaction database. Also mention various approaches to mining multilevel association rules. 20
5. Explain different types of classifications such as Bayesian and classification by back propagation. 20
6. (a) What do you mean by Indexing of OLAP data ? Give its advantages in detail. 10
- (b) Define the term MOLAP and ROLAP. Which one is better and why ? Give your opinion. 10

7. Explain the following :
- (a) Data Reduction 7
- (b) Data Cleaning 7
- (c) Concept Hierarchies in Data Mining. 6
8. Write short notes on the following :
- (a) Organizational implecations of data warehousing
- (b) Pattern Presentation and Visual Specifications. 10+10