

M.C.M. (Part-II) Semester-IV Examination
DATA WAREHOUSING AND MINING, ERP
(Elective)
Paper-4MCM3

Time : Three Hours]

[Maximum Marks : 80

Note :—(1) Due credit will be given to neatness and adequate dimensions.

(2) Assume suitable data wherever necessary.

(3) Illustrate your answer wherever necessary with the help of neat sketches.

1. (a) Explain information as a production factor. 4
- (b) Describe Data Mining and KDD. 6
- (c) What is of Data Warehouse ? Why do we need it ? 6

OR

2. What is learning ? Explain different types of learning. 16
3. (a) Explain the concept of Neural Network with the help of suitable diagram. 8
- (b) Explain the following terms :
 - (i) Data selection
 - (ii) Cleaning. 8

OR

4. (a) Define Decision tree. Explain with suitable example. 8
- (b) Explain Enrichment and Coding Stages of KDD. 8
5. (a) Explain different types of components in Data Warehouse architecture. 12
- (b) Give advantages and disadvantages of Data Marting. 4

OR

6. (a) Explain any two System Managers. 6
- (b) Explain briefly Vertical Partitioning in Data Warehouse. 6
- (c) How to use meta data in Data Warehouse ? 4
7. (a) Explain Fact Table Design method of data warehouse. 4
- (b) Explain SMP with the help of diagram. 6
- (c) What do you mean by Backup and Recovery method ? 6

OR

8. (a) Explain File System Technology. 4
- (b) Why do you need to provide security to Data Warehouse ? 6
- (c) Explain the following terms :
 - (i) Dimensional modeling
 - (ii) Aggregation of fact table. 6
9. (a) What are the features of Database management to improve the efficiency of data warehouse ? 8
- (b) Describe various Testing Techniques used to test the Data warehouse. 8

OR

10. (a) Describe the tuning process in a data warehouse. 8
- (b) Explain the following terms :
 - (i) Daily processing
 - (ii) Overnight processing. 8

