AR–2526

Faculty of Engineering & Technology

M.C.A.Third Year Semester—I (C.G.S.) Examination

ELECTIVE–II : DATA WAREHOUSING AND DATA MINING

(15543)

Paper—5 MCA 5

Time : Three Hours] [Maximum Marks : 80

INSTRUCTIONS TO CANDIDATES

(1) All questions carry marks as indicated.

(2) Assume suitable data wherever necessary.

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

(4) Use pen of Blue/Black ink/refill only for writing the answer book.

1. (a) Explain the architecture of typical data mining system. 7

   (b) Classify the data mining systems. 6

OR

2. (a) What is data mining ? Explain. 6

   (b) Explain data cleaning. 7

3. (a) Explain data mining primitives. 7

   (b) Explain query language for data mining. 7

OR

4. (a) Explain clustering in data mining. 7

   (b) Explain time series analysis. How it is used in prediction ? 7

5. (a) State the research areas in data mining. 7

(b) Explain theoretical foundation of data mining. 7

OR

6. (a) Explain visual and audio mining. 7

(b) Explain statistical data mining. 7

7. (a) What is data warehouse ? Explain its key features. 7

(b) Explain multidimensional data model. 6

OR

8. (a) State the difference between operational database system and data warehouses. 7

(b) State OLAP operations in multidimensional data model. 6

9. (a) Explain star schema and snowflakes schema. 7

(b) What is data staging ? State issues related to data staging. 6

OR

10. (a) Explain dimension table and fact tables in data warehousing. 7

(b) State the different data quality parameter. List out some data cleansing technique. 6

11. (a) Explain the role of end user application. 7

(b) Explain how to mange the existing data warehouse environment. 6

OR

12. (a) Explain end user application development. 7

(b) Explain how to maintain the growing data warehouse. 6