AQ – 2646

Third Year First Semester MCA (Part–I) Examination

DATA WAREHOUSING AND DATA MINING

Paper – 5 MCA 5

P. Pages : 2

Time : Three Hours] [Max. 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.
(4) Use pen of Blue/Black ink/refill only for writing the answer book.

1. (a) Define the term Data Mining. Differentiate Data Mining and Data Retrival. 6

   (b) Eplain data cleaning. State its purpose in the process of data mining. 7

OR

2. (a) What is KDD ? Explain KDD process with each stage in brief. 7

   (b) Explain predictive and descriptive model of data mining. 6

3. (a) Explain regression and correlation. How these statistical techniques applicable in data mining ? 7

   (b) State the different issues in Data mining. 7

OR

4. (a) Explain classification and clustering. Give suitable examples. 7

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

5. (a) Explain with suitable example that "Data mining is a tool for Business Intelligence". 7

   (b) Explain text mining. Give two example of text mining. 7

OR

6. (a) State and explain any five data mining applications. 10

   (b) State the research areas in data mining. 4

7. (a) Explain OLAP and OLTP. 6

   (b) Draw and explain Data warehouse architecture. 7

OR

8. (a) Explain with suitable example the multi dimensional data model. 6

   (b) What is Data warehouse ? How it is different from a large database ? 7

9. (a) Explain fact table. State its characteristics and significance in Datawarehousing. 6

   (b) Explain star schema and snowflekg schema. 7

OR

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

    (b) State the different data quality parameters. List out some data cleansing techniques. 7

11. (a) What are the key deliverables for the Data Warehouse system ? 6

    (b) Explain the types of end user applications for datawarehouse users. 7

OR

12. (a) Explain Pre–Built Analytic applications and Read/write Analytic applications. 6

    (b) Explain different steps in system deployment process. 7