

FACULTY OF INFORMATICS**M.C.A. II - Year II – Semester (Supplementary) Examination, January 2015****Subject : Data Warehousing and Data Mining****Time: 3 hours****Max. Marks: 80****Note: Answer ONE question from each unit. All questions carry equal marks.****UNIT – I**

- 1 a) Write short notes on DM related issues and future trends. 8
 b) What is Data warehousing and OLAP? Explain briefly. 8
- OR**
- 2 a) What is incremental mining? 6
 b) Explain ARMOR algorithm in detail. 10

UNIT – II

- 3 a) Give a brief note on applications of classification. 8
 b) Explain about optimal classification algorithms. 8
- OR**
- 4 a) Explain the different partitioning methods of clustering. 8
 b) What is clustering? Write about different clustering techniques. 8

UNIT – III

- 5 a) Write the benefit of Data warehousing. 6
 b) Explain the information flow mechanism in a DW. 10
- OR**
- 6 a) Explain Meta data, classes of data, and data velocity. 6
 b) Explain the ETL process. 10

UNIT – IV

- 7 a) Explain the architecture of Data Warehouse. 12
 b) What is data mart? Explain briefly. 4
- OR**
- 8 a) Write short notes on star schema. 8
 b) What is dimensional modelling? Write about its strengths. 8

UNIT-V

- 9 a) Explain data extraction and transformation in ETL process. 10
 b) Explain the importance of keys in the DW schema. 6
- OR**
- 10 a) Explain the process of data loading in detail.
 b) Write Short notes on OLAP tools and products.
