MCA (E) 9

M.C.A. DEGREE EXAMINATION, NOVEMBER 2010.

Fifth Semester

Computer Applications

DATA WAREHOUSING AND MINING

Time : Three hours   Maximum : 75 marks

Answer FIVE questions, choosing ONE full from each Unit.

All questions carry equal marks.

UNIT I

1. (a) · What is data mining? Briefly describe the components of a data mining system.   (8)

    (b) What kind of patterns can be identified in a data mining system?   (7)

Or

2. (a) Write the differences between operational database and data warehouse.   (8)

    (b) Write about the evolution of data mining systems.   (7)

UNIT II

3. Briefly describe 3-tier data warehouse architecture. (15)

Or

4. Write short notes on :

   (a) Data warehouses

   (b) OLAP

   (c) Testing. (3 × 5 = 15)

UNIT III

5. Explain Apriori algorithm with example. (15)

Or

6. Discuss about data cleaning and data reduction techniques with examples. (15)

UNIT IV

7. What is cluster analysis? Briefly discuss about types of data in cluster analysis. (15)

Or

8. Briefly explain advanced database applications in data mining. (15)

UNIT V

9. Describe the features of Microsoft's OLE DB for data mining. (15)

Or

10. Describe the features of DBMines. How will you create a data cube, write the steps. (15)

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