MCA (E) 9

M.C.A. DEGREE EXAMINATION, MAY 2009.

Fifth Semester

Computer Applications

DATA WAREHOUSING AND MINING

Time : Three hours   Maximum : 75 marks

Answer FIVE questions by choosing ONE full from each Unit.

All questions carry equal marks.

UNIT I

1. (a) Discuss the architecture of a typical data mining system of the major components in detail.   (8)

    (b) Describe the various classifications of data mining according to the different criteria in briefly.   (7)

Or

2. (a) Explain how data warehouse differ from data base in briefly.   (8)

    (b) Explain the features of data warehouse.   (7)

UNIT II

3. (a) Explain how to design appropriate data warehouse schemas from the logical requirements model. (8)

(b) Briefly discuss about Backup and recovery strategy of data warehouse. (7)

Or

4. (a) Discuss the horizontal partitioning and vertical partitioning process in detail. (8)

(b) Explain how to determine the appropriate aggregation strategy in detail. (7)

UNIT III

5. (a) Explain the importance of data mining query language. (8)

(b) Write a cube based incremental algorithm for mining analytical class comparisons. (7)

Or

6. (a) Briefly explain the native Bayesian classification. (8)

(b) Describe the various kinds of constraints with suitable example. (7)

2   MCA (E) 9

UNIT IV

7. (a) Discuss the data mining system products and research prototypes. (8)

(b) Describe the various trends in data mining. (7)

Or

8. (a) Discuss the various approaches of outlier analysis with suitable example for each approach. (8)

(b) Explain the different types of data in cluster analysis. (7)

UNIT V

9. Describe the OLEDB for DM specifications with their operations. (15)

Or

10. Discuss the DB miner in detail. (15)

3   MCA (E) 9