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Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2014

(CUCSS)

Computer Science

CSC 3E 08—DATA WAREHOUSING AND MINING

Time : Three Hours

Maximum : 36 Weightage

Part A

*Answer **all** questions.
Each question carries 1 weightage.*

1. What is a Data Mart ?
2. What do you mean by financial dimension ?
3. List any four characteristics of Data Warehousing.
4. What is MDDM ?
5. Draw an example data cube.
6. List basic operations performed on data cubes.
7. Define Data Mining.
8. What do you mean by Association Rule Mining ?
9. How will you evaluate the rules obtained through Mining ?
10. Differentiate characterization and Classification.
11. Explain concept hierarchy.
12. Define "Clustering".

(12 x 1 = 12 weightage)

Part B

*Answer any **six** questions.
Each question carries 2 weightage.*

13. Write short note on Data Warehouse architecture.
14. Write note on Data dimension.
15. Write a note on Meta data.
16. Write a note on DB2 spatial extender.
17. Discuss Data Mining functionalities.
18. Write a note on classification of Data Mining System.

Turn over

19. Write short note on "how to discriminate between different classes".
20. Explain any two descriptive statistical measures used in Data Mining.
21. Discuss social impacts of Data Mining.

(6 x 2 = 12 tage)

Part C

*Answer any **three** questions.
Each question carries 4 weightage.*

22. Discuss various aspects of design of a Data Warehouse.
23. Discuss the basic concepts in MDDM.
24. Explain decision tree induction algorithm. Demonstrate how rules can be generated from decision trees.
25. Explain k-means or *k*-Medoids clustering algorithm.
26. Give a detailed description of "Characterization" as a Data Mining technique.
27. Discuss any *four* applications of Data mining in detail.

(3 x 4 = 12 weightage)