THIRD SEMESTER M.Sc. DEGREE EXAMINATION DECEMBER 2012

(CUCSS)

Computer Science

CSC 3E 08 – DATA WAREHOUSING AND MINING

(2010 Admissions)

Time : Three Hours   Maximum : 36 Weightage

Part A

*Answer **all** questions.*

Each question carries 1 weightage.

1. Define Data Warehouse.

2. What is a Data Mart?

3. State any *two* functional requirements of a Data Warehouse.

4. What is Metadata?

5. What is MDDM?

6. What is a Data Cube?

7. Define Data Mining.

8. Differentiate between Data Mining and KDD process.

9. Define Clustering.

10. Define Characterization.

11. Define support and confidence.

12. What do you mean by attribute relevance?

(12 x 1 = 12 weightage)

Part B

*Answer any **six** questions.*

Each question carries 2 weightage.

13. Explain the characteristics of a Data Warehouse.

14. Write note on temporal data modelling.

Turn over

15. Differentiate OLTP and OLAP.

16. Write short note on DB2 spatial extender.

17. Write note on Data mining functionalities.

18. Write short note on Data Mining Process.

19. Write a note on Data Generalization and Summarization based characterization.

20. Write note on Analytical Characterization.

21. Write short note on trends in Data Mining.

(6 x 2 = 12 weightage)

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

22. Discuss in detail, data warehouse modelling.

23. With suitable example, explain multidimensional Data Modelling.

24. Discuss in detail Data Mining Techniques.

25. Discuss Mining Class Comparison.

26. Discuss important applications of Data Mining.

27. Discuss in detail Social impacts of Data Mining.

(3 x 4 = 12 weightage