

D 22602

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Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, JANUARY 2012

Computer Science

CSC 3E 08—DATA WAREHOUSING AND MINING

(2010 admissions)

Time : Three Hours

Maximum Weightage : 36

Part A

Answer all questions.

Each question carries 1 weightage.

1. What is a temporal data ?
2. Differentiate Data Warehouse and Data Mart.
3. State any two characteristics of Data Warehouse.
4. What is OLAP ?
5. What is a Data cube ?
6. Differentiate between Data Warehouse and RDBMS.
7. Differentiate classification and clustering.
8. List Data Mining functionalities.
9. What do you mean by association analysis ?
10. Define characterization.
11. Define attribute relevance.
12. Differentiate generalization and summarization.

(12 x 1 = 12 weightage)

Part B

Answer any six questions.

Each question carries 2 weightage.

13. Discuss architectural perspectives of Data Warehouse.
14. Write short note on Design of Data Warehouse.
15. Discuss requirement analysis for MDDM.
16. Discuss role of Data Warehouse in business intelligence.
17. Write short note on Data Mining Process.
18. Write note on sequential pattern detection.

Turn over

19. Write note on analytical characterization.
20. Write a note on Attribute Relevance Analysis.
21. Write short note on Social Impacts of Data Mining.

(6 x 2 = 12 **weightage**)

Part C

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

22. Discuss in detail, data warehouse modeling.
23. What is Meta data ? Discuss types, sources and standards of meta data.
24. Discuss classification of Data Mining Systems. Compare discovery and verification mode am'
25. Discuss mining of descriptive statistical measures in large databases.
26. Discuss any *two* applications of Data Mining in detail.
27. Discuss in detail trends and developments in the field of Data Mining.

(3 x 4 = 12 **weightage**)