

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086
(For candidates admitted during the academic year 2011-12 & thereafter)

SUBJECT CODE : 11CS/PE/DM44

M. Sc. DEGREE EXAMINATION, APRIL 2016
INFORMATION TECHNOLOGY
FOURTH SEMESTER

COURSE : ELECTIVE
PAPER : DATA MINING AND WAREHOUSING
TIME : 3 HOURS **MAX. MARKS: 100**

SECTION – A

Answer all the questions: **10 x 2 = 20**

1. Define data mining.
2. What is Data reduction?
3. What is data warehouse?
4. What is datamart?
5. Write a short notes on data classification process.
6. What is Robustness?
7. Define clustering and cluster.
8. Define Spatial data mining.
9. Write a short notes on Web-wide tracking.
10. Write a short notes on Security Safeguards.

SECTION – B

Answer any six questions: **6 x 5 = 30**

11. Explain about the classification of data mining system.
12. Distinguish between the OLTP and OLAP.
13. Explain about the Frequent pattern mining.
14. Discuss about the various Text mining approaches.
15. Describe in detail about the Data Mining for Intrusion Detection.
16. Explain about the Strategies for data reduction.
17. Explain about the OLAP Operations in the Multidimensional Data Model.
18. Explain about the Tree pruning.

SECTION – C

Answer any five questions:

5 x 10 = 50

19. Discuss about the major issues in Data mining.
20. Describe in detail about the implementation of Data Warehouse.
21. Discuss about the issues Regarding Classification and Prediction.
22. Discuss about the types of data in cluster analysis.
23. Explain the following applications:
 - a)Data Mining for Financial Data Analysis
 - b)Data Mining for the Retail Industry
24. Discuss about the Data Cleaning.
25. Explain the social impact of data mining.
