

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2009–10 & thereafter)

SUBJECT CODE: CS/PC/DM34

M.Sc. DEGREE EXAMINATION, NOVEMBER 2011
INFORMATION TECHNOLOGY
THIRD SEMESTER

COURSE : CORE
PAPER : DATA MINING AND WAREHOUSING
TIME : 3 HOURS

MAX. MARKS: 100

SECTION – A

(10X2=20)

I. ANSWER ALL THE FOLLOWING QUESTIONS:

1. Define data warehouse.
2. What is attribute construction?
3. Define data cube.
4. List the different forms of multidimensional model.
5. What are the steps in association rule mining?
6. Define connectionist learning.
7. What is multimedia database?
8. Define plan mining
9. What is graph based mining?
10. Define intrusion.

SECTION – B

(6X5=30)

II. ANSWER ANY SIX OF THE FOLLOWING QUESTIONS:

11. List the major components of data mining system.
12. What are the key features of data warehouse?
13. Write about the types of data warehouse models.
14. Describe the dimensions of spatial data cube.
15. List the examples of data mining in retail industry.
16. List the principles of fair information practices.
17. Discuss briefly on the types of data in cluster analysis.
18. Describe text indexing techniques.

SECTION – C

(5X10=50)

III. ANSWER ANY FIVE OF THE FOLLOWING QUESTIONS:

19. What is data cleaning? How it deals with missing values and noisy data.
20. Compare OLTP and OLAP.
21. How can frequent pattern mining be classified?
22. List the examples of data mining technology applied for intrusion detection.
23. Write the typical requirements of clustering in data mining.
24. Discuss briefly on different clustering methods.
25. Explain web mining.
