

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 600 086**  
**(For candidates admitted during the academic year 2008-09)**

**SUBJECT CODE : CS/PC/DM44**

**M. Sc. DEGREE EXAMINATION, APRIL 2010**  
**INFORMATION TECHNOLOGY**  
**FOURTH SEMESTER**

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

**SECTION-A**

**Answer all the questions** **10X2=20**

- 1) What is Data Mining?
- 2) Define Data Transformation?
- 3) What is Data Cleaning?
- 4) Define Data Warehouse?
- 5) What is Frequent Pattern?
- 6) What is Bayesian Classification?
- 7) Define Vector Objects?
- 8) Expand: i) OLTP ii) BIRCH
- 9) What are the things followed in financial Data analysis?
- 10) Define Intrusion Detection?

**SECTION-B**

**Answer any six questions.** **6X5=30**

- 11) Explain the classification of Data mining systems?
- 12) Explain Data Reduction?
- 13) Discuss about Multidimensional Data model?
- 14) Explain the classification of Decision tree induction?
- 15) Distinguish Between Classification and Prediction?
- 16) Explain the types of data in cluster analysis?
- 17) Discuss Text mining?
- 18) Explain the social impacts of Data mining?

**SECTION-C**

**Answer any five questions**

**5\*10=50**

- 19) Explain in detail about Data Preprocessing?
- 20) Discuss briefly about Data mining Functionalities?
- 21) Explain Data Warehouse Architecture?
- 22) Discuss the Basic concepts and Road Map of Data Mining.
- 23) Discuss the various categories of clustering methods?
- 24) Explain Spatial and Web data mining?
- 25) Explain and discuss about Data mining Applications?

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