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Reg. No...................................

Name...................................

B.TECH. DEGREE EXAMINATION, MAY 2014

Seventh Semester

Branch : Computer Science and Engineering

CS 010 706 L02—DATA MINING AND DATA WAREHOUSING – (Elective II) (CS)

(Improvement/Supplementary—2010 Admissions)

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.
Each question carries 3 marks.

1. What is Data Cleaning? Explain.

2. Explain Attribute Oriented Induction in detail.

3. What is the aim of association rule in mining?

4. What kind of data is needed to build a decision tree? Explain.

5. What are the desired features of cluster analysis?

(5 × 3 = 15 marks)

Part B

Answer all questions.
Each question carries 5 marks.

6. List and explain major issues in Data Mining.

7. List three most important benefits of implementing a datawarehouse for a large enterprize and explain.

8. What is meant by Associations? Explain.

9. What are the characteristics of Rule Based Classifier? Explain.

10. How the distance between the cluster is computed in Single Link algorithm?

(5 × 5 = 25 marks)

Part C

Answer all questions.
Each question carries 12 marks.

11. Explain Data Mining Task Primitives and major issues in data mining.

Or

12. Describe Data Discretization and concept Hierarchy Generation.

Turn over

13. With figures explain multidimensional data models.

Or

14. Discuss the operations applied to Data Cubes.

15. Describe in detail the concepts of Associations and Correlations.

Or

16. Discuss in detail mining various kinds of Association Rules.
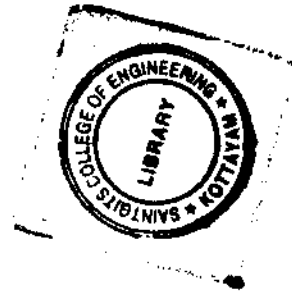
17. Explain Bayesian Classification in detail.

Or

18. Explain Support Vector machines in detail.

19. Discuss partitioning methods in detail.

Or

20. Explain model based clustering methods in detail.

(5 × 12 = 60 marks)