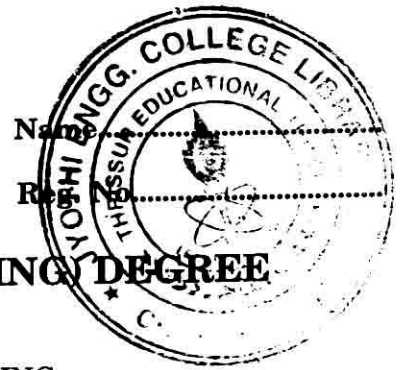**C 60545**

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EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, APRIL 2014

CS 09 802 – DATA MINING AND WAREHOUSING

Time : Three Hours   Maximum : 70 Marks

Part A

Answer all questions.

1. What is the use of Data Mining?

2. Bring out the importance of data integration.

3. What do you mean by characteristic rule in data mining?

4. What is the importance of cluster analysis?

5. Enumerate the need for data warehouse.

(5 × 2 = 10 marks)

Part B

Answer any four questions.

6. Write short notes on kinds of patterns that can be mined in data mining.

7. Describe in detail about data reduction phase in data preprocessing.

8. Write short notes on mining association rules in large databases.

9. Explain in brief about transactional databases.

10. Explain in detail about bayesian classification.

11. Discuss about the hardware and operational design of data warehouse.

(4 × 5 = 20 marks)

Part C

Answer all questions.

12. (a) With a neat sketch, explain in detail about data warehouse architecture.

Or

(b) Discuss about the data transformation and reduction steps in data preprocessing.

Turn over

13. (a) Explain the data mining primites and languages in detail.

                                Or

     (b) Explain in detail about data generalization and discriminant rules in data mining.

14. (a) Explain in detail about decision table and rough sets with an example.

                                Or

     (b) Enumerate and explain the steps involved in :

         (i) Classification and Prediction.

         (ii) Decision Tree Induction (C4.5).

15. (a) Discuss in detail about recent trends and developments in data warehouse.

                                Or

     (b) Write short notes on :

         (i) Datawarehouse tuning.

         (ii) Datawarehouse testing.

                                                   $(4 \times 10 = 40$ marks)