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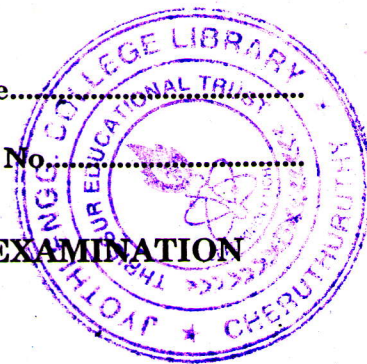
Name.....

Reg. No.....

**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION
APRIL 2017**

CS 09 802 – DATA MINING AND WAREHOUSING

(2009 Admissions)



Time : Three Hours

Maximum : 70 Marks

Part A

Answer all questions.

1. What is data mining ?
2. List out social impact of datamining.
3. What do you mean by data cleaning ?
4. Differentiate classification and prediction.
5. What is the need of data warehousing ?

(5 × 2 = 10 marks)

Part B

Answer any four questions.

6. Give the architecture of a typical data mining system.
7. Discuss the different methods of data cleaning.
8. Write a note on data mining languages.
9. Discuss any *two* classification methods in data mining.
10. Discuss Bayes Theorem with examples.
11. Compare and contrast Data mining and Data warehousing.

(4 × 5 = 20 marks)

Part C

Answer all the questions.

12. (a) Discuss Data warehouse architecture with diagram in detail.

Or

- (b) Discuss in detail about the various data reduction techniques in the preprocessing step of data mining.

Turn over

13. (a) How can form data mining association rules in large databases ? Discuss with examples.

Or

(b) (i) List the data mining primitives.

(ii) Discuss in detail about data generalization.

14. (a) Write K-means and K-medoids algorithms and explain with examples.

Or

(b) Write the algorithm for constructing a decision tree from training samples.

15. (a) With neat sketch, explain the data warehouse hardware and operational design.

Or

(b) Summarize the data warehouse developments and applications.

(4 × 10 = 40 marks)