FACULTY OF ENGINEERING
B.E. 4/4 (CSE) II Semester (Main) Examination, May/June 2012
DATA MINING

Time : 3 Hours] [Max. Marks : 75

Note: Answer all questions from Part A.
Answer any five questions from Part B.

PART – A

1. Define the term Data Mining. 3
2. What are the different classes of Data Mining System ? 2
3. Define Data mart. 2
4. What is Z-score normalization ? 2
5. Write short notes on concept hierarchy. 3
6. What is Apriori principle ? 2
7. Define multilevel association rule. 2
8. Differentiate classification and prediction. 3
9. What is Bayesian Belief networks ? 3
10. What is web mining ? 3

PART – B

11. a) What are the major issues in data mining ? 5
   b) Explain OLAP operations. 5
12. a) What is need of preprocessing ? Explain data reduction and data cleaning. 7
   b) Write short notes on A-three-tier datawarehouse architecture. 3
13. Explain data mining task primitives. 10

(This paper contains 2 pages)
14. a) Explain methods of attribute analysis.
   b) Write algorithm for attribute oriented Induction.

15. Use Apriori algorithm for following transaction data base with minimum support count 2.

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16. Explain decision tree induction with an example.

17. Explain k-means algorithm with an example.