Data Warehousing & Mining
(IT-414, Dec-2007)

Note: Section A is compulsory. Attempt any four questions from Section-B and any two from Section-C.

Section-A

1. a) What is a data Mart?
   b) What is cluster analysis?
   c) Briefly discuss about types of data in cluster analysis.
   d) What are the benefits of data warehouse over data bases?
   e) What is Data cube Technology?
   f) What is association rule?
   g) What is classification?
   h) What is scientific mining?
   i) What is Data Generalization?
   j) What is Ice berg query?

Section-B

2. How data mart is different from data Ware house?
3. Explain Analysis of Attribute Relevance.
4. Explain functionalities of Data mining.
5. Describe any Data Ware House Architecture.
6. Explain mining single Dimensional Boolean Association Rules from Transactional Data bases with an illustration.

Section-C

7. Explain why mining descriptive statistical measures in large databases are needed?
8. (a) What type of computing environment are suitable for the data ware house? Explain with reference to the RISC vs CISC arch.
   (b) Write an algorithm for finding frequency item sets for Mining Multilevel association Rules from Transactional Databases.
9. (a) Explain why mining descriptive statistical measures in large databases are needed.
   (b) What is a star schema? How star joins and star indexes are created?