Roll No.

BCA (Sem.5TH)
DATA WAREHOUSING & MINING
Subject Code: BSBC-501
Paper ID: B1154

Time: 3 Hrs.   Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:
   1. All questions of SECTION-A is compulsory. Each question carry TWO marks.
   2. Attempt any FOUR questions from SECTION-B. Each question carry TEN marks.

SECTION-A   (10x2 = 20 Marks)

1.
   a) What are decision trees?
   b) Define update - driven approach?
   c) Define dimension table?
   d) What is entity identification problem?
   e) What do you mean by Data Reduction and Data Transformation?
   f) What is Data Cube?
   g) Define the descriptive data mining?
   h) What is itemset and Minimum support count?
   i) What is Data Store?
   j) What do you mean by cross validation?

SECTION-B   (4 x 10 =40)

2.   What is data warehouse? Describe the various characteristics of data warehouse.
       Briefly describe 3-tier Data warehouse architecture.
3.   (a) What do you mean by OLAP & OLTP? Explain its difference?
       (b) What is multi-dimensional Data model? Explain Star schema & snowflake
       schema?
4.   (a) What is the concept of Association Rules Mining? Explain APRlORl
       algorithm?
       (b) List and describe the five primitives for specifying a data mining   task.
5.   Explain the following:-
       (a)   Operational and Informal Data stores.
       (b)   Bootstrap and boosting methods.
6.   (a) Explain in detail Attribute Selection Method ?
       (b) What is Data Visualization and how is it generated?