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Total No. of Pages: 01
Total No. of Questions: 06

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 APRIORI 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?

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