Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐

Total No. of Questions: 07　　　　　　　　　　　　　　　　Total No. of Pages: 02

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

Time: 3 Hrs.　　　　　　　　　　　　　　　　　　　　　　Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

1.　**Section A is COMPULSORY consisting of TEN questions carrying TWO marks each.**

2.　**Section B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.**

SECTION A

1.　**Write briefly:**

　　a)　Advantage of Data Warehouse.

　　b)　Why Data Transformation is done?

　　c)　What is Indexing & Querying in OLAP?

　　d)　Differentiate OLAP & OLTP.

　　e)　Explain Constraint based Association Rule Mining.

　　f)　What are various attribute selection measures?

　　g)　Why Cross-Validation is done?

　　h)　Explain the concept of Bagging.

　　i)　What is classification?

　　j)　Importance of Data Visualization.

SECTION B

2.　What are the various designs Consideration of a Data Warehouse? Why data summarization and Data cleaning is done?

3.　Explain Star & Snowflake database schema in detail. Also construct a fact table of star schema.

4.　Elaborate the concept of discovery driven exploration of Data Warehouse with the help of an example.

5.   What is Data Mining and why it is important? Explain Market Basket analysis with the help of an example.

6.   Discuss various prediction techniques available. How these techniques arc helpful in real life?

7.   Why clustering is done? Compare and contrast various clustering algorithms.