

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

**BCA (2011 & Onward) (Sem.-5)**  
**DATA WAREHOUSING AND MINING**  
Subject Code : BSBC-501  
Paper ID : [B1154]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION 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 a student has to attempt any **FOUR** questions.

**SECTION-A**

**1. Write briefly :**

- a) List some applications of Data Mining.
- b) What is MODEL in Data Mining world?
- c) Explain clustering algorithm.
- d) What are the storage models of OLAP?
- e) What is Data Purging?
- f) What is Apriori Algorithm?
- g) What is Bootstrap?
- h) Briefly state difference between Data Warehouse and Data Mart.
- i) What is Star Schema?
- j) What is OLAM?

**SECTION-B**

2. Discuss various applications of data warehousing and data mining.
3. What is OLAP and OLTP? Differentiate OLAP and OLTP.
4. Explain the Design/Technical/Implementation considerations to build a Data Warehouse.
5. Explain Association rule mining in detail.
6. What are DM Techniques? How we can select and use right DM Technique?
7. Explain the following :
  - a) Data Visualization
  - b) Cube Computation