

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) Differentiate between Data Mining & Data Warehousing
- b) What are OLAP & OLTP?
- c) What are different stages of Data mining?
- d) What is Data Mart?
- e) Explain association algorithm in data mining.
- f) What is decision tree algorithm?
- g) Define classification.
- h) What is Data Visualization?
- i) What is indexing?
- j) What is Artificial Intelligence?

SECTION - B

- 2) What is Data Warehousing? Explain Data warehouse characteristics.
- 3) Explain in detail the three tier architecture.
- 4) What do you mean by cleaning of data? Explain the important types of data cleaning.
- 5) Write Short notes on following :
 - (a) Market Basket Analysis
 - (b) Constraint Based Association mining
- 6) What is clustering? Explain classification of various clustering algorithms.
- 7) Discuss various schemas for multidimensional data.