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) What is OLTP?

    b) What is Data Mining?

    c) What is clustering?

    d) Define Data cube.

    e) What is the use of multi dimensional view?

    f) Discuss star schema.

    g) What is association rule?

    h) Define warehouse environment.

    i) What is drill down analysis?

    j) Define bagging.

SECTION-B

2) What is OLAP? What are the various operations performed on OLAP.

3) What is Data Warehouse? Discuss its architecture with the help of diagram.

4) Explain the following with proper examples :

   a) Hyper cubes

   b) ROLAP and MOLAP

5) Differentiate star and snowflake schemas of warehouse.

6) Write a detailed note on fact constellation, its advantages and related concepts.

7) Give application of data mining in the following area:

   a) Retail Industry

   b) Tele-Communication Industry.