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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:

- 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.

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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.

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