BCA (Sem.–5)
DATA WAREHOUSING AND MINING
Subject Code : BSBC-501
M.Code : 70628
Date of Examination : 19-12-22

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. **Explain briefly :**

   a. Why do we need to create a Data warehouse?

   b. What is data mart?

   c. Define data discretization.

   d. What is advantage of using concept hierarchy generation?

   e. What is confusion matrix?

   f. What is the significance of Data warehouse schema?

   g. What is training and test data?

   h. What is the difference between predictive and descriptive classification?

   i. Define Bagging.

   j. Give few examples of data visualization tools.

SECTION-B

2. Discuss the differences between Online Analytical Processing and Online Transactional Processing.

3. Explain the different techniques of data normalization with the help of example.

4. Why do we use support and Confidence in ARM? Discuss the Apriori algorithm for Association Rule Mining with the help of suitable example.

5. Discuss different type of OLAP operations for multidimensional data with the help of suitable examples.

6. What is the difference between classification and prediction? How Classification is performed using the decision trees?

7. Classify the different data mining techniques. Discuss the different factors for selecting and using the right data mining technique.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.