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Total No. of Pages : 02

Total No. of Questions : 07

BCA (Sem.-5)

DATA WAREHOUSE AND MINING

Subject Code : UGCA-1931

M.Code : 90314

Date of Examination : 02-12-2024

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS 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 students have to attempt any FOUR questions.

SECTION-A

1. Write briefly :

- a. Define Pivot operation.
- b. What is the meaning of concept hierarchy?
- c. What is HOLAP?
- d. Why do we need to preprocess the dataset?
- e. Define data characterization.
- f. What are frequent patterns?
- g. What is the meaning of confidence used in Association Rule Mining?
- h. Name the steps in data classification.
- i. What is the false positive rate?
- j. What is the importance of visualization in data mining?

SECTION-B

2. What is difference between data warehouse and data mining? Explain the architecture of Data warehouse in detail.
3. Discuss few data normalization techniques used in data mining with the help of suitable examples.
4. Define classification. Explain K-Nearest-Neighbour Classifiers with the help of a suitable example.
5. What is data visualization? Why data visualization is important? Discuss few tools and techniques for data visualization.
6. Why clustering is used in data mining? Explain the different types of clustering methods used in data mining.
7. Write a short note on :
 - a. Decision Tree Induction
 - b. Data Cube Computation.

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