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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 : 26-06-2025

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. What do you mean by frequent itemset?
- b. If Support=2% and Confidence = 60%, what is the role of these terms to develop an association rule.
- c. What is the use of Data Transformation?
- d. Explain in brief, the basic difference between tight coupling and loose coupling from implementation point of view.
- e. Why is one use pivot operation in multidimensional data model?
- f. What is the use of fact tables in multidimensional schemas?
- g. What is the purpose of sampling in data preprocessing.
- h. What is significance of multidimensional view of data?
- i. How Apriori algorithm is used in hash based itemset counting?
- j. What is the difference between classification and prediction?

SECTION - B

2. How much does a data warehouse cost? Write their applications and uses.
3. Discuss various schemas for multidimensional data.
4. The marks of the class in subject "Data warehouse and Data Mining" is listed below 20, 25, 30, 33, 45, 50

Perform the Z-Score normalization of above marks. What is the benefit of using Z- Score normalization?

5. Explain Apriori algorithm in detail.
6. Explain fact constellation schema in detail.
7. Explain pre-processing in detail.

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.