

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

M.Tech. (CSE Engg.) Big Data (Campus) (Sem.-3)
INFORMATION RETRIEVAL AND DATA MINING
Subject Code : CSBE-215
M.Code : 75065

Time : 3 Hrs.

Max. Marks : 50

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TEN marks.

- Q1 Give the architecture of a typical data mining systems. What are the steps in data mining process?
- Q2 a. Explain the review of Indexing Techniques in Information Retrieval.
b. What is tokenization in text mining? Give Example.
- Q3 What are the association rules in data mining? How it is used for mining models to analyze data for patterns from large databases?
- Q4 Demonstrate how Bayesian classification helps in 'predicting class' membership probabilities.
- Q5 Write a short note on following :
- a. PLSA
 - b. Query Expansion
- Q6 a. Define clustering. Explain the Partitioning method of clustering?
b. Discuss the types of data in cluster analysis.
- Q7 Give the introduction to Boolean based retrieval model. How the retrieval performance is measured?
- Q8 What is a collaborative filtering recommender system? How they are capable of predicting the future preference of a set of items for a user?

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.