Roll No. | | | | | | | | | | | | Total No. of Pages : 01

Total No. of Questions : 08

Ph.D in Faculty of Engineering (ECE/ME)

DATA WAREHOUSING AND DATA MINING

M.Code : 77366

Time : 3 Hrs. Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT question.
2. Each question carry TWENTY marks.

1. What do you mean by clustering? Explain and compare various clustering techniques.

2. a) Discuss the approaches for mining multi level association rules from the transactional databases. Give relevant example.

   b) What is similarity and dissimilarity? Explain various measures of similarity and dissimilarity with examples.

3. a) With a neat sketch explain the architecture of a data warehouse.

   b) What is prediction? Give an account on linear and multiple regression methods used in prediction.

4. a) Describe the generalization and summarization of data.

   b) Discuss the K-nearest neighbor approach of classification.

5. a) Discuss the typical OLAP operations with an example.

   b) With examples, describe in detail about the available techniques for concept. Hierarchy Generation for categorical data.

6. a) Discuss how computations can be performed efficiently on data cubes?

   b) Compare between OLTP & OLAP.

7. a) Differentiate among star schema, snowflake schema and fact constellation with the help of examples.

   b) State and explain the Bayesian classification method.

8. Explain in detail various methods used for data pre processing with suitable examples.

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.