M. Sc. (Sem. II) Examination

July - 2022

MS-201 : Data Warehousing & Data Mining

Faculty Code : 003
Subject Code : 1172001

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   Answer the following questions : (Any Seven)   **14**

   (1)   Define Term : Data Mining.

   (2)   Define Term : Data Warehouse.

   (3)   Define Online Analytical Processing.

   (4)   What is surrogate key ?

   (5)   Define Fact Table.

   (6)   List popular ETL Tools.

   (7)   Define OLTP.

   (8)   Define Dimension Table.

   (9)   Define Data, Information and Knowledge.

   (10) Define Meta Data.

2   Answer the following questions : (Any Two)   **14**

   (1)   Write note on Knowledge Discovery in Database (KDD).

   (2)   List and explain various types of OLAP.

   (3)   List various data mining techniques. Explain any one.

3   Answer the following questions: **14**

   (1)   List various association rule algorithms. Give applications of association rule.

   (2)   Write a note on use of Data Mining in various fields.

OR

   (1)   List various decision tree algorithms. Give real life examples.

   (2)   List various clustering algorithms. Give applications of clustering.

4   Answer the following questions : (any two)   **14**

   (1)   Distinguish : Data Warehouse v/s Data Mart.

   (2)   Explain the market basket analysis with use of proper algorithm.

   (3)   Write a note on ETL.

5   Answer the following questions : (any two)   **14**

   (1)   What is star schema ? Explain with real time example.

   (2)   Distinguish : OLTP v/s OLAP

   (3)   Give applications of neutral network.

   (4)   Distinguish : Fact Data v/s Dimensional Data.

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