M. Sc. (Statistics) (Sem. II) (CBCS)
(W.E.F. 2016) Examination
August / September - 2020
MS - 201 : Data Warehousing and Data Mining

Faculty Code : 003
Subject Code : 1172001

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

1   Attempt the following Questions : (Any **7** out of 10)   **14**
   (1)   Define Data Mart.
   (2)   Define ETL.
   (3)   Define Meta Data.
   (4)   Define Fact Table.
   (5)   Define OLTP.
   (6)   Define O LAP.
   (7)   Define Dimension Table.
   (8)   Define Clustering.
   (9)   Define Data Mining.
   (10) Define Data Warehouse.

2   Attempt the following questions : (2 Out of 3)   **14**
   (1)   Differentiate: Fact Data V/s Dimensional Data.
   (2)   Differentiate: Data Warehouse v/s Data Mart
   (3)   List various Data Mining Techniques. Explain any One
         in detail.

3   (A)   Write a note on use of Data Mining in various fields.   **7**
   (B)   Write a note on ETL with proper example.   **7**
                        OR
3   (A)   Explain Decision Tree with real life examples.   **7**
   (B)   Explain Association Rule with real life example.   **7**

4   Answer the following questions :   **14**

    (1)   Explain Data, Information, Knowledge, Understanding and Wisdom in detail.

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

5   Attempt the following questions : (**2 Out of 4**)   **14**

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

    (2)   List and explain various types of OLAP (ROLAP, HOLAP)

    (3)   Explain Neural Network in detail with example.

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

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