



Seat No. _____

HH-003-1172001

M. Sc. (Sem. II) Examination

April - 2023

**MS-201 : Data Warehousing and
Data Mining**

Faculty Code : 003

Subject Code : 1172001

Time : 2:30 Hours / Total Marks : 70

1 Answer briefly any Seven of the following questions : 14

- (1) Which algorithm is used to give potential solution for evolutionary computing ?
- (2) Write the full form of WEKA.
- (3) Explain the data mining process in short.
- (4) What is meant by Machine Learning ?
- (5) Draw a flowchart for represent Neural Network.
- (6) What is meant by Data Mining ?
- (7) How does Online Analytical Processing work ?
- (8) When can we use surrogate key ?
- (9) Define online analytical transactional process.
- (10) How to create Dimension Table ?

2 Answer any Two of the following questions : 14

- (1) Write a note on Knowledge Discovery in Database (KDD).
- (2) How can we conduct research in Data Mining ?
- (3) How data Mining can be benefited in retail/marketing, banking, insurance and healthcare, transportation and medical industries ?

- 3** Answer the following questions : **14**
- (A) List various clustering algorithms. What are the applications of clustering ?
 - (B) What is the difference of operational and information system in data warehouse ?

OR

- 3** Answer the following questions : **14**
- (A) What are the decision tree algorithms ? Give real life example of each algorithm.
 - (B) What is the role of statistician to segregate data mining and statistics ?

- 4** Answer the following questions : **14**
- (A) Explain ETL in detail.
 - (B) Explain any TWO methods of data collection in detail for data warehouse.

- 5** Answer any Two of the following questions : **14**
- (1) Explain CURE and DBSCAN.
 - (2) List various data mining techniques. Explain anyone technique in detail.
 - (3) Explain the market basket analysis with the use of proper algorithm.
 - (4) What is start schema ? How can we solve real-world challenges using star schema ?
