

MASTER OF LIBRARY AND INFORMATION SCIENCE EXAMINATION, 2025

1st Year, 2nd Semester

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Subject Code : ML/08

KNOWLEDGE DISCOVERY AND DATA MINING

Time : Two Hours

Full Marks : 50

Answer **any five** questions.

1. Explain the term 'information extraction'. How it differs from 'information retrieval'? How do you extract information using Neural Networks? Discuss with example 2+2+6
2. What is 'Rule Based Classification'? Discuss its characteristics. Mention its advantages and disadvantages. 3+3+4
3. What is meant by 'data mining'? Discuss its architecture. 3+7
4. Explain the concept 'Online Analytical Processing (OLAP)'. Discuss its process of creation. Mention its few applications. 4+4+2
5. What is meant by 'Internet of Things'? How it works? Discuss its applications in libraries. 4+3+3
6. a. Discuss following **two** concepts with example: 3+3
  - i. Bayes Theorem
  - ii. Naïve Bayes Classifier
- b. Discuss their applications. 4
7. Write short notes on **any two** of the followings: 5×2
  - a. Machine Learning
  - b. Data Warehouse
  - c. SVM
  - d. Social Media Mining

\*\*\*\*\*