

6. State your idea on 'Web usage mining'. 10
7. Write short notes on *any two* of the following:
- Bayesian Classification
 - Artificial Neural Network
 - Association Rule Mining
 - Data Mining Process

**MASTER OF LIBRARY AND INFORMATION SCIENCE
EXAMINATION, 2023**

(1st Year, 2nd Semester)

KNOWLEDGE DISCOVERY AND DATA MINING

PAPER – ML-08

Time : Two hours

Full Marks : 50

Answer *any five* questions.

1. What is meant by 'Machine Learning'? Discuss 'Supervised' and 'Unsupervised' Learning with examples. 3+(3.5×2)
2. Discuss different classification algorithms in Machine Learning. 15
3. Explain 'OLAP'. Show its relation with 'Data warehouse'. How is it different from 'OLTP'? Discuss ETL with examples. 3+2+3+2
4. Explain "K means clustering". How does the K mean algorithm works? What are the requirements of 'K means clustering'. in data mining? 3+3+4
5. a) What is meant by 'Data Mart'? How is it different from 'Data Warehouse'? 2+3
b) What is meant by 'Decision Tree'? Discuss its features and applications. 2+3