

6. How 'decision tree' is related to 'Knowledge Discovery'?
In this context discuss the concepts 'entropy' and
'information gain'. 3+3.5×2
7. Write short notes on *any two* of the following : 5×2
- SVM
 - Feature map
 - Data Mart
 - Bayesian Classification

MASTER OF LIBRARY AND INFORMATION SCIENCE

(DIGITAL LIBRARY) EXAMINATION, 2024

(2nd Year, 1st Semester)

Knowledge Discovery and Data Mining

Course : MLDL-10

Time : Two Hours

Full Marks : 50

Answer *any five* questions.

- What is meant by 'Machine Learning'? Discuss
'Supervised' and 'Unsupervised' Learning with examples.
3+3.5×2
- What is meant by 'Data Warehouse'? Discuss its
architecture. What is OLAP? How does it relate to 'Data
Warehouse'? 2+4+2+2
- State your idea on 'Web Mining'. Discuss its taxonomy.
2+8
- Explain 'OLAP'. Show its relation with 'Data warehouse'.
How it is different from 'OLTP'? Discuss ETL with
examples. 3+2+3+2
- What is Knowledge discovery? Discuss steps of
Knowledge Discovery Process with a diagram. 2+3
 - What is meant by 'Data Mining'? Discuss different
applications of 'Data Mining'. 1+4

[Turn over