(2)

4. Explain – "K means clustering". How does the K mean algorithm works ? What are the requirements of k mean clustering in data mining ?   3+3+4

5. What is meant by 'web mining' ? Discuss web mining taxonomy with a diagram. Also discuss few web mining tools.   2+4+4

6. 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

7. Write short notes on any *two* of the following : 5x2=10
   (a) SVM
   (b) Feature map
   (c) Data warehouse
   (d) Bayesian Classification

—— X ——

MASTER OF LIBRARY AND INFORMATION SCIENCE EXAMINATION, 2019
(1st Year, 2nd Semester)
Knowledge Discovery and Data Mining
Paper : ML - 08

Time : Two hours   Full Marks : 50

Answer any *five* questions.

1. (a) What is Knowledge discovery ? Discuss steps of Knowledge Discovery Process with a diagram. 2+3
   (b) What is meant by 'Data Mining' ? Discuss its different applications.   1+4

2. How 'Decision Tree' is related to 'Knowledge Discovery' ? In this context discuss the concepts 'entropy' and 'information gain'.   3+3.5x2

3. Explain how 'neural networks' can be utilized in 'data mining process'. Also briefly discuss its applications.   5+5