1. Answer the following: 14

(1) What is an ARFF? Define term: Instance and attributes.

(2) What is Association rule? How are association rules mined from large databases?

(3) Define term data warehouse and data mart.

(4) Describe the chi-squared method.

(5) What do you mean by supervised data mining?

(6) List various data mining application.

(7) What do you mean by gini index? Describe it.

2. (a) Explain Multilevel Association Rule Mining, 7
Multi Dimensional Association Rule Mining. Compare them.

OR

(a) Explain Decision tree Model based classifier in details. 7

(b) Explain the various schema of OLAP system. 7

OR

(b) Explain KDD process in details. 7
3 (a) Explain Apriori Algorithm, its limitations and improvements.

(b) How to build Classification rules? Also explain Direct and Indirect Methods.

OR

3 (a) Explain various application of data warehouse.

(b) Describe mining Spatial Databases in detail.

4 Answer the following: (any three)

(1) Explain major issues in data mining.

(2) Explain Mining Spatial Databases

(3) Describe Hunts Algorithm.

(4) Explain any TWO clustering methods in details.

5 Explain following Notes: (any two)

(1) Text mining

(2) Outlier Analysis

(3) K-mean algorithm.