Important Questions

Unit-1

1) Explain the Knowledge discovery process with neat sketch.
2) Illustrate different data mining functionalities
3) List various data mining tasks giving example for each
4) What are the major issues in Data Mining? Explain.
5) What is data Preprocessing? Discuss the steps involved in data preprocessing
6) Explain about data mining primitive tasks

Unit-2

1) Demonstrate the basic concepts of Apriori rule mining and a road map of it
2) Explain the FP growth algorithm for discovering frequent itemsets without candidate generation
3) What are frequent item set generation? What are candidate item sets?
4) Define support and confidence what is support threshold
5) Discuss the working of Apriori algorithm and explain the ways to improve the efficiency of apriori algorithm

Unit-3

1) Explain classification by Decision Tree Induction
2) What is cluster analysis? Explain Hierarchical Methods
3) Discuss K nearest Neighbor classification algorithm with an example
4) Explain K mediods clustering
5) What is classification and Explain how to build a decision tree with example
6) List out different types of clustering algorithms and explain k means algorithm
7) Discuss the Hierarchical clustering
8) Distinguish between Naïve Bayesian algorithm and Bayesian networks
9) Write a short note on Feed forward neural networks

Unit-4

1) Define about the following
   a) Elements
   b) Variables
   c) Data Categorization
2) Demonstrate about levels of Measurements
3) List out the basic elements in R with examples
4) Explain in detail about Data management in R with functions
5) What is indexing in R with example

Unit-5

1) Demonstrate chi square test, ANOVA-test and T-Test
2) Explain regression with an example
3) Explain Maximum Likelihood in R
4) Write in detail about hypothetical testing