

Unit I

- 1) What is data mining? Explain Motivating challenges for data mining and also explain by data cane mine.
- 2) Explain different data mining task.
- 3) What is data? Explain different types of dataset.
- 4) What is data quality and also explain issues related to data collection and application.
- 5) Explain data processing in brief.
- 6) Write a note on measures of data similarity and dissimilarity.

Unit II

- 1) Write a note on different techniques used for data exploration using statistic.
- 2) What is data visualization? Explain different techniques used for data visualization.
- 3) What is OLAP? Explain OLAP in detail for multidimensional data analysis.
- 4) What is classification? Explain different classification techniques.
- 5) What is decision tree? Explain how decision tree can build.
- 6) Explain methods for comparing classifiers.
- 7) Explain how performance of classifier can evaluate.
- 8) Write a note on: Explain issues for model overfitting

UNIT III

1. Differentiate between Naive Bayes classifier and Rule-based classifier.
2. Write a note on support based processing.
3. Write a note on FP Growth Algorithm.
4. Explain nearest neighbour classifier in detail.
5. Explain the following:
 - (i) Tree Projection.
 - (ii) Pattern Evaluation.

UNIT IV

1. What is cluster? Explain different types of cluster.
2. What is Anomaly detection? Differentiate between outlier and anomaly detection.
3. Explain following algorithm:
 - I. Rock
 - II. K-Means
4. Discuss characteristics of spatial data sets.
5. Explain clustering algorithm with Hierarchical clustering.