

Module-3

- 5 a. Explain appropriate problems for Neural Network Learning with its characteristics. (10 Marks)
b. Explain the single perceptron with its learning algorithm. (06 Marks)

OR

- 6 a. Explain Back Propagation algorithm. (10 Marks)
b. Explain the remarks of Back propagation algorithm. (06 Marks)

Module-4

- 7 a. Explain Naïve Bayes classifier. (10 Marks)
b. Explain Bayesian Belief Networks. (06 Marks)

OR

- 8 a. Explain EM algorithm. (08 Marks)
b. Explain the derivation of K-means algorithm. (08 Marks)

Module-5

- 9 a. Explain K-nearest neighbor learning algorithm with example. (10 Marks)
b. Explain case based reasoning with example. (06 Marks)

OR

- 10 Write short note on:
a. Q learning
b. Radial basis function
c. Locally weighted regression
d. Sampling theory. (16 Marks)
