



OR

- 8 a. What are Rule based classifiers? Explain with an example. (04 Marks)  
b. Differentiate between classification and prediction. (04 Marks)  
c. What is the Nearest Neighbor classifiers? Write and explain nearest neighbor algorithm. (08 Marks)

**Module-5**

- 9 a. Explain Clustering Analysis methods briefly. (04 Marks)  
b. What are the features of Cluster analysis? (04 Marks)  
c. Write and explain the basic K – means algorithm of clustering. (08 Marks)

OR

- 10 a. What is Hierarchical Clustering method? Explain the algorithm for computing distance between clusters. (08 Marks)  
b. Explain DBScan algorithm with its time and space complexity. (08 Marks)



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