Module-4 Clustering(one-mark)

1) Define cluster analysis.

2) List 2 applications of cluster analysis

3) List orthogonal aspects w.r.to comparision of clustering methods

4) Define iteration location technique

5) What are partitioning methods?

6) Define Hierarchical methods

7) List the two approaches used in Hierarchical methods

8) Define density based methods

9) Give the mathematical formula for the sum of squared error(E) for clustering of all objects in the dataset

10) What is the time complexity of k-means algorithm?

11) Expand AGNES and DIANA

12) Give the mathematical formula for minimum distance between clusters

13) Give the mathematical formula for maximum distance in hierarchical algorithmic methods

14) Give the mathematical formula for mean distance in hierarchical algorithmic methods

15) Give the mathematical formula for Average distance in hierarchical algorithmic methods

16) Expand BIRCH

17) Define density-reachability

18) Define density connectivity

19) How to measure the density of neighborhood?

20) What is Hopkins statistic?

21) Define elbow method

22) List the two types of approaches used in measuring clustering quality.