MACHINE LEARNING

1. (a) 2

2. (d) 1, 2 and 4

3. (a) interpreting and profiling clusters

4. (a) Euclidean distance

5. (b) Divisive clustering

6. (d) All answers are correct

7. (a) Divide the data points into groups

8. (b) Unsupervised learning

9. (a) K- Means clustering

10. (a) K-means clustering algorithm

11. (d) All of the above

12. (a) Labeled data

13. First we need to calculate the distances adding on to link the clusters and choose a solution by selecting the right number of clusters.

14. We can use the average silhouette coefficient value of all objects in the data set.

15. Cluster analysis is a multivariate data mining technique whose goal is to groups objects (eg:- products, respondents, or other entities) based on a set of user selected characteristics or attributes.

Types of Clusters:-

- **Centroid-based Clustering.**
- **Density-based Clustering.**
- **Distribution-based Clustering.**
- **Hierarchical Clustering**