

## Answer of Worksheet1

1-b

2-d

3-d

4-a

5-b

6-d

7-a

8-b

9-d

10-a

11-d

12-a

13-It is calculated by **measuring the distance between each data point and its centroid, squaring this distance, and summing these squares across one cluster.**

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 cluster analysis are

- *Hierarchical Cluster Analysis*
- *Centroid-based Clustering*
- *Distribution-based Clustering*
- *Density-based Clustering*