MACHINE LEARNING

1.B

2.D

3.D

4.A

5.B

6.B

7.A

8.B

9.A

10.A

11.A

12.A or B

13Q). How is cluster analysis calculated?

1. The cluster analysis is calculated by using the three steps:

Step 1: calculate the distance matrix.

Step 2: Specifying all distance between the items to be clustered.

Step 3: Next choose a solution by selecting the numbers of clusters.

The Dendrogram will show the clusters that are merged .

14Q). How is cluster quality measured?

1. A cluster quality is measured through its **performance, the capability to find out hidden patterns**, and the similarity measure utilized by the methodology.

15Q) What is cluster analysis and its types?

1. Cluster analysis is a multivariate data mining technique whose goal is to groups objects based on a set of user selected characteristics or attributes.

Types of cluster analysis are:

* Hierarchical cluster analysis
* Centroid-based cluster analysis
* Distribution-based cluster analysis
* Density-based cluster analysis