1. Which of the following is an application of clustering?

Ans. b) Market trend prediction

2. On which data type, we cannot perform cluster analysis?

Ans. d) None

3. Netflix's movie recommendation system uses –

Ans. c) Reinforcement learning

4. The final output of Hierarchical clustering is –

Ans. b) The tree representing how close the data points are to each other

5. Which of the step is not required for K-means clustering?

Ans. d) None

6. Which of the following is wrong?

Ans. c) k-nearest neighbour is same as k-means

7. Which of the following metrics, do we have for finding dissimilarity between two clusters in hierarchical clustering?

Ans. d) 1,2,3

8. Which of the following are true?

Ans. a) 1 only – Clustering analysis is negatively affected by multicollinearity of features.

9. In the above figure ----

Ans. a) 2

10.

Ans. a) Given sales data from a large number of products in a supermarket, estimate future sales for each of these products.

11. Ans. a)

12. Ans. b)

13. Clustering uses by data professionals to discover information and patterns in dataset. Clustering is unsupervised machine learning, doesn't require labeled dataset. Clustering divide the dataset in such a way that data points in same groups are more similar to other data points in same group than those in other groups.

14. Improve clustering performance by applying unsupervised feature learning to input data.