

## Machine Learning 3

1. d. All of the above
2. d. None
3. c. Reinforcement learning and Unsupervised learning
4. b. The tree representing how close the data points are to each other
5. d. None
6. c. k-nearest neighbour is same as k-means
7. d. 1, 2 and 3
8. a. 1 only
9. a. 2
10. b. Given a database of information about your users, automatically group them into different market segments.
11. a.
12. b.
13. Clustering is used to group similar objects into one. This method takes data collected by various sources and forms cluster which can be used to analyze and predict very well. Its useful when data is unlabeled This method has become invaluable.
14. For K-means clustering, we can improve by restarting the algorithm, using better initialization technique.