MACHINE LEARNING ASSIGNMENT -3

ANSWERS:

1. (d) All of the above
2. (d) None
3. C) Reinforcement and Unsupervised learning
4. (b) A tree representing how close 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. Importance of clustering:
    - Helps determine and detect the presence of natural groups/clusters appearing in the dataset.
    - Used for outlier detections
    - User for various applications such as market research, image processing etc.
14. Clustering performance can be improved by optimizing the parameters set for clustering or by using some other clustering techniques.