MACHINE LEARNING

ASSIGNMENT – 3

Answer No.01:- Option(d) -> All of the above

Answer No.02:- Option(d) -> None

Answer No.03:- Option(c) -> Reinforcement learning and Unsupervised learning

Answer No.04:- Option(b) -> The tree representing how close the data points are to each other

Answer No.05:- Option(d) -> None

Answer No.06:- Option(c) -> k-nearest neighbour is same as k-means

Answer No.07:- Option(d) -> 1, 2 and 3

Answer No.08:- Option(a) -> 1 only

Answer No.09:- Option(a) -> 2

Answer No.10:- Option(b) -> Given a database of information about your users, automatically group them into different market segments

Answer No.11:- Option(a)

Answer No.12:- Option(b)

Answer No.13:- 1. It helps in restarting the local search procedure and remove the inefficiency.

2. It helps to determine the internal structure of the data.

3. It is used for model analysis and vector region of attraction.

4. Its quality depends on the methods and the identification of hidden patterns.

5. It is used in outlier detection to detect credit card fraudulence.

Answer No.14:- Clustering Performance can easily improved by applying ICA blind source separation during the graph laplacian embedding step.