MACHINE LEARNING   ASSIGNMENT-3

ANS. NO.1   (D)

ANS.NO.2   (D)

ANS.NO.3   (C)

ANS.NO.4   (B)

ANS.NO.5   (D)

ANS.NO.6   (C)

ANS.NO.7   (D)

ANS.NO.8   (A)

ANS.NO.9   (A)

ANS.NO.10 (B)

ANS.NO.11 (A)

ANS.NO.12 (B)

ANS.NO.13

Clustering is important in data analysis and data mining applications. It is the task of grouping a set of objects so that objects in the same group are more similar to each other than to those in other groups

And another way –

Clustering is used to find structure in unlabelled data. It's the most common form of unsupervised learning. Given a dataset you don't know anything about; a clustering algorithm can discover groups of objects where the average distances between the members of each cluster are closer than to members in other clusters

ANS.NO.14

Graph-based clustering performance can easily be improved by applying ICA blind source separation during the graph Laplacian embedding step. Applying unsupervised feature learning to input data using either RICA or SFT, improves clustering performance.