MACHINE LEARNING ASSIGNMENT-2

ANSWER -1:- (D) 2 & 3.

ANSWER-2:- (D) 1,2 & 4.

ANSWER-3:- (A) TRUE.

ANSWER-4:- (A) 1 ONLY.

ANSWER-5:- (B) 1.

ANSWER-6:- (B) NO.

ANSWER-7:- (A) YES.

ANSWER-8:- (D) ALL OF THE ABOVE.

ANSWER-9:- (A) K-MEANS CLUSTERING ALGORITHM.

ANSWER-10:- (D) ALL OF THE ABOVE.

ANSWER-11:- (D) ALL OF THE ABOVE.

ANSWER-12:- K-MEANS clustering is sensitive to outliers because in this the Mean is actually influenced by extreme values and the K-Medoids is a variant of K-Means which is more powerful to the outliers and noises.

ANSWER-13:- K-MEANS is relatively a better approach because of some of its properties like Relatively simple to implement, scales to a large datasets, easily adapts to new examples and Generalize the clusters of different shapes and sizes.

ANSWER-14:- First of all K-Means is a non-deterministic algorithm. It starts with a random set of data points as initial centroids and this random selection influences the quality of the resulting clusters. Besides this thing, each several time the algorithm when runs, it will give a different output as result.