WORKSHEET 2 (MACHINE LEARNING)

1.A
2.D
3.A
4.A
5.B
6.B
7.A
8.D
9.A
10.D
11.E

12. Is K sensitive to outliers?
The K-means clustering algorithm is sensitive to outliers, because a mean is easily influenced by extreme values.

13. Why is K means better?
K-Means is better in the following terms :

- Scales to large data sets.
- Easier to implement
- Guarantees convergence

14. Is K means a deterministic algorithm?
K-Means starts with a random set of data points as initial centroids. This random selection influences the quality of the resulting clusters. Besides, each run of the algorithm for the same dataset may yield a different output.