MACHINE LEARNING ASSIGMENT – 2

1. C) 1 and 3
2. B) 1 and 2
3. A) True
4. A) 1 only
5. B) 1
6. A) Yes
7. A) Yes
8. D) All of the above
9. A) K-Means clustering algorithm
10. A) 1 only
11. D) All of the above
12. The K-Means clustering algorithm is sensitive to outliers , because a mean is easily influenced by extreme values k medoids clustering is a variant of K-means that is more robust to noise and outliers..
13. Guarantees convergence can warm start the positions of centroids easily adapts to new examples generalizes to clusters of different shapes and sizes such as elliptical clusters..
14. K-Means is non deterministic algorithm K-Means has many drawbacks of K-Means is its non deterministic nature K-Means start with a random set of data points as initial centroids . this random selection influences the quality of the resulting clusters..