MACHINE LEARNING – 2

1. B
2. D
3. A
4. A
5. B
6. A
7. A
8. D
9. A
10. D
11. D
12. Yes. K means is sensitive to outliers.
13. A) **Relatively simple to implement.**

B) Scales to large data sets.

C) Guarantees convergence.

D) Can warm-start the positions of centroids.

E) Easily adapts to new examples.

F) Generalizes to clusters of different shapes and sizes, such as elliptical clusters.

14. NO K means is not deterministic algorithm because The basic k-means clustering is based on a non-deterministic algorithm. This means that running the algorithm several times on the same data, could give different results.