1. b) 1 and 2
2. d) 1,2 and 4
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. d) All of the above
11. d) All of the above
12. Is K sensitive to Outliers?

Ans : Yes, K is sensitive to outliers. K mean 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.

1. Why is K means better ?

K means is better because:

* + Relatively simple to implement
  + Scales to large dataset
  + Guarantees convergence
  + Easily adapt to new examples
  + Generalized to clusters of different shapes and sizes

1. Is K means a deterministic algorithm

Basic K means clustering is based on a non deterministic algorithm.