Machine Learning

1) Is k sensitive to outliers.
   - yes outlier are different from normal data point, in order to cover them in cluster mean is required to increase so that why k sensitive to outliers, in order to solve that problem outliers should be removed

2) k mean is better.

   - K mean create the cluster on the basis of distance of datapoint, its good for small dataset but when it comes to big dataset, it will not perform good

2) k means is deterministic algorithm
   - k mean randomly select data points as centroids, here same input give different output on different execution at different datapoints, so k mean is deterministic algorithm and we can't determine next step of execution due to more than on path

MCQ Answer

1) b) 1 and 2
2) b) 1 and 2
3) True
4) C) 1 and 2
5) B) 1
6) B) No
7) C) not sure

8)

9) a) k means clustering algorithm

10) d) all of them

Statistics Answer

1) A) SD
2) C) 12
3) C) The square root of variance
4) C) Both of these
5) B) Summarizing and explaining a specific set of data
6) **B**) Dataset
7) **A) 2 or more**
8) B) Scatterplot
9) –

10) A) t-score
11) C) mean
12) D) 400005.2
13) -- mean, median, mode
14) A) Descriptive and interferences
15) D) H-L

SQL

1) D) unique
2) C) Null
3) A) Each entry in primary key is unique
4) D) all of above
5) B) foreign key
6) A) 0
7) A) one to many
8) C) one to one
9) B) supplier id
10) B) 1
11) B) many to one
12) C) table
13) A) insert in to
14) B) unique & c) Primary Key
15) A) A blood group can contain one of following values A, B, AB and o