**MACHINE LEARNING**

**Q1 to Q11 have only one correct answer:**

1. b) 1 and 2
2. d) 1, 2 and 4
3. a) True
4. a) 1 only
5. b) 1
6. b) No
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. K-Means clustering algorithm is most sensitive to outliers as it uses the mean of cluster data points to find the cluster center.
13. Relatively simple to implement, Scales to large data sets, Guarantees convergence, Can warm-start the positions of centroids, Easily adapts to new examples and Generalizes to clusters of different shapes and sizes, such as elliptical clusters.
14. 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. However, to ensure consistent results, FCS Express performs *k*-means clustering using a deterministic method.

ASSIGNMENT – 2

**WORKSHEET 2 SQL**

**Q1 to Q13 have only one correct answer.**

1. D) Unique
2. C) Null
3. A) Each entry in the primary key uniquely identifies each entry or row in the table
4. C) Multiple columns can make a single unique key together
5. B) Foreign Key
6. C) 2
7. A) one to many
8. C) one to one
9. A) delivery id
10. D) 2
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 the following values - A, B, AB and O. B) A blood group can only contain characters

WORKSHEET

**STATISTICS WORKSHEET-2**

**Q1 to Q15 have only one correct answer.**

1. C) both
2. C) 12
3. D) All of the above
4. C) Both of these
5. C) Analyzing and interpreting a set of data
6. B) Data set
7. A) 2 or more
8. A) Line graph
9. D) Analysis of variance
10. A) Z-score
11. C) mean
12. D) 400005.2
13. D) Mean
14. A) Descriptive and inferences
15. D) H-L