STATISTICS

1. C
2. C
3. **D**
4. C
5. B
6. B
7. A
8. B
9. D
10. A
11. C
12. D
13. D
14. D
15. D

SQL

1. D
2. C
3. C
4. A
5. B
6. D
7. A
8. D
9. B
10. D
11. A
12. C
13. A
14. B,C,D
15. A,B

MACHINE LEARNING

1. A
2. D
3. A
4. A
5. B
6. A
7. A
8. D
9. A
10. A
11. D
12. K is sensitive to outliers because mean get impacted by extreme values thus it fails to give appropriate cluster center.
13. K mean is better because it has some advantages such as it is simple to implement, large set of data can be analysed, convergence is guaranteed, it can warm start the positions of centroids, easy adaptable to examples, generalise to clusters of different shapes and sizes like elliptical clusters.
14. No K mean is not deterministic algorithm because it has non deterministic algorithm due to its random selection of data points as initial centroids.