**STATISTICS WORKSHEET-2**

Q1 to Q15 Solution

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

**WORKSHEET 2 SQL**

Q1 to Q13 have only one correct answer.

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

Q14 and Q15 have one or more correct answer.

Q14. B, C Q15 A, B

**MACHINE LEARNING (Assignment-2)**

1. a 2. d 3. a 4. a 5. b 6. b 7. a 8. d 9. a 10. d 11. d

12. K-means clustering algorithm is sensitive to outliers, because ma mean is easily influenced by extreme values

13. K-mean is better because of the following reason:

**Relatively simple to implement.**

**Scales to large data sets.**

**Guarantees convergence.**

**Can warm-start the positions of centroids.**

**Easily adapts to new examples.**

14. No K-means is non-deterministic in nature. K- Mean starts with a random set of data points as initial centroids. This random selection influences the quality of the resulting clusters.