**Answers of assignment – 3**

1. D- Collinearity
2. B- Random Forest
3. C- Decision Tree are prone to overfit
4. C- Training data
5. C- Anamoly detection
6. C- Case based
7. D- Both a and b
8. C- Both a and b
9. C- 3
10. A- PCA
11. None of the above
12. B- SVG
13. B- Underfitting
14. A- Reinforcement learning
15. B- Mean squared error
16. C- Nonlinear, binary
17. A- supervised learning
18. C-both a and b
19. A-removing columns which have too many missing values
20. C - input attribute.
21. A- SVM allows very low error in classification
22. B- Only 2
23. B- 6/10 log(6/10) + 4/10 log(4/10)
24. A- weights are regularized with the l1 norm
25. B- Logistic regression and Gaussian discriminant analysis
26. D- Either 2 or 3
27. A- increase by 1 pound
28. D- Minimize the squared distance from the points
29. B- As the value of one attribute increases the value of the second attribute also increases
30. B- Convolutional Neural Network