MCQ 3

1. d) Collinearity
2. b) Random Forest
3. c) Decision Tree are prone to overfit
4. a) Data Training
5. c) Anomaly detection
6. c) Case based
7. d) Both a and b
8. c) Both a and b
9. b) 2
10. d) KMeans
11. c) Neither feature nor number of groups is known
12. b) SVG
13. b) Underfitting
14. a) Reinforcement learning
15. The average squared difference between classifier predicted output and actual output is called the mean squared error (MSE). It is a common metric used to evaluate the performance of a regression model. It measures how well the model is able to predict continuous output variables by comparing the predicted values to the actual values.

    b) Mean squared error
16. a) Linear, binary
17. A. supervised learning
18. C. both a and b
19. B. removing columns which have high variance in data
20. C. input attribute
21. (A) SVM allows very low error in classification
22. (B) Only 2

23. (A) -(6/10 log (6/10) + 4/10 log (4/10))

24. (A) weights are regularized with the l1 norm

25. (D) Perceptron

26. (D) Either 2 or 3

27. (B) increase by 5 pounds

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