Q1) **A (Least Square Error)**

Q2) **A (Linear regression is sensitive to outliers)**

Q3) **B (Negative)**

Q4) **B(Correlation)**

Q5) **C (Low bias and high variance)**

Q6) **B (predictive modal)**

Q7) **D(regularization)**

Q8) **D(smote)**

Q9) **A (TPR and FPR)**

Q10) **B(False)**

Q11) **C (removing stop words)**

Q12) **A, B and C (we don't have to choose the learning rate, it becomes slow when number of features is very large and we need to iterate)**

Q13) **Regularization is a technique to prevent the model from overfitting by adding extra information to it or in simple word, in this technique we can reduce the magnitude of the features by keeping the same number of features.**

Q14) **There are three main regularization techniques**

a) Ridge regression (L2 norm)

b) Lasso (L1 norm)

c) Dropout

Q15**) Term error present in liner regression equation is the difference**

between the predicted value and the
actual value.