MACHINE LERANING

1. A) Least Square Error
2. A) Linear regression is sensitive to outliers
3. B) Negative
4. B) Correlation
5. C) Low bias and high variance
6. B) Predictive model
7. D) Regularization
8. D) SMOTE
9. A) TPR and FPR
10. B) False
11. B) Apply PCA to project high dimensional data
12. A) We don't have to choose the learning rate. and B) It becomes slow when number of features is very large.

13. Regularization refers to techniques that are used to calibrate machine learning models to minimize the adjusted loss function and prevent overfitting or underfitting.

14. 1. Lasso Regularization
    2. Ridge Regularization
    3. Elastic Net Regularization

15. The term error present in a linear regression equation represents all the variation in the dependent variable not explained by the weighted independent variables.