MACHINE LEARNING ASSIGNMENT – 39

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

13. Ans:
Regularization:
Regularization is finding the sweet spot between Bias and Variance
Bias is where the model under fits or Over simplifies and the error in both test data and training data
Variance is the condition where the model hugs or remembers the data, it doesn't simplify
In case of Linear Regression it is L1- Lasso Regression and L2 – Ridge Regularization
In case of Decision Tree model Bagging and Boosting
Deep Learning drop out layer is a method of regularization
Similarly in Decision Tree and Ad Hoc reducing variance is regularization

14. Ans:
LASSO, Ridge and Elastic-Net

15. Ans
Error is the residual variable created when the model doesn't fully represent the relation between independent variable and dependent variable.