

## MACHINE LEARNING - ASSIGNMENT-39 (ANSWERS)

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.Explain the term regularization?

Regularization is basically the optimal condition where there would be less bias as well as less variance achieved. This is the condition where one can reduce the overfitting as well as underfitting in a given model. In this condition training and testing accuracy comes on higher side.

### 14.Which particular algorithms are used for regularization?

- a) Ridge Regression.
- b) LASSO (Least Absolute Shrinkage and Selection Operator) Regression.
- c) Elastic-Net Regression.

### 15.Explain the term error present in linear regression equation?

For a very simple example, suppose you are predicting the weight of an adult human males based on their height. Well, height is certainly related to weight i.e. taller people tend to be heavier but the model won't be perfect because there is a range of weights at each height. The error is the difference between the predicted value and the actual value.