MACHINE LEARNING ANSWERS

1 . A

2. A

3.B.

4.C.

5.C.

6.A

7.A

8.D.

9.A

10.B.

11.B.

12.A,B,D

13. Regularization helps to reduce the variance of the model without a substantial increase in the bias ,If there is a variance in the model that means that model wont fit well for dataset different than training data.

14.   LASSO - & RIDGE

 LASSO- This penalizes the model based on the sum of the magnitude of the coefficients.

Ridge – This penalizes the model based on the sum of the squares of magnitude of the co efficient.

15. There are three error metrics that are commonly used for evaluating and reporting the performance of a regression model:

Mean Squared Error (MSE).

Root Mean Squared Error (RMSE).

Mean Absolute Error (MAE)