MACHINE LEARNING – ASSIGNMENT

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. Regularization: - The word regularize means to make things regular.
    This is a technique used to reduce errors by fitting the function appropriately on the given training set and avoid overfitting.
    Using Regularization, we can fit our machine learning model appropriately on a given test set and hence reduce the errors in it.
    The commonly used regularization techniques are:
    1. L1 Regularization: - It penalizes the sum of absolute values of the weights.
    2. L2 Regularization: - It penalizes the sum of square of the weights.
14. The three algorithms which are used for regularization are:
    1. Ridge Regression (L2 Norm)
    2. Lasso (L1 Norm)
    3. Dropout
15. The term error present in linear regression equation is the difference between the predicted value and the actual value.
    A linear regression model's aim is to find the linear line and the optimal values of intercept and coefficients such that the error is minimized.
    So the term error tells us how certain we can be about the formula.