Q1 - A
Q2 - A
Q3 - B
Q4 - C
Q5 - C
Q6 - B
Q7 - D
Q8 - D
Q9 - A
Q10 - B
Q11 - A
Q12 - A & B
Q13 - It is a technique used to prevent the model from overfitting by adding extra information to it. Sometimes the machine learning model performs well with the training data but does not perform well with the test data.
These are of 2 types - A) Lasso Regularization. B) Ridge Regularization.

Q14 - There are two types of regularization techniques:
a) Ridge Regression - It is one type of linear regression in which we introduce a small amount of bias, known as Ridge regression penalty so that we can get better long-term predictions.

b) Lasso Regression - It is another variant of regularization technique used to reduce the complexity of the model. it stands for Least Absolute and Selection Operator.

Q15 - The Error term in a regression equation represents the effect of the variables that were omitted from the equation.
It reporesent the combined effect of the omitted variables, assuming that:
a)the combined effect of the omitted variables is independent of each variable included in the equation.
b)It is independent across subjects.
c) It has expectation 0.