Answer 1: A) Least Square Error

Answer 2: A) Linear regression is sensitive to outliers

Answer 3: B) Negative

Answer 4: A) Regression

Answer 5: C) Low bias and high variance

Answer 6: A) Descriptive model

Answer 7: D) Regularization

Answer 8: D) SMOTE

Answer 9: C) Sensitivity and Specificity

Answer 10: A) True

Answer 11: A) Construction bag of words from an email

Answer 12: A) We don't have to choose the learning rate. B) It becomes slow when number of features is very large. C) We need to iterate.

Answer 13: Regularization refers to techniques that are used to calibrate machine learning models in order to minimize the adjusted loss function and prevent overfitting or underfitting.

Answer 14: There are three main regularization techniques, namely:

- Ridge Regression (L2 Norm)
- Lasso (L1 Norm)
- Dropout

Answer 15: An error term represents the margin of error within a statistical model; it refers to the sum of the deviations within the regression line, which provides an explanation for the difference between the theoretical value of the model and the actual observed results.