**MACHINE LEARNING**

**Questions to Answers**

Ans.1 opt A

Ans.2 opt A

Ans.3 opt B

Ans.4 opt C

Ans.5 opt A

Ans.6 opt A

Ans.7 opt A

Ans.8 opt A

Ans.9 opt A

Ans.10 opt A

Ans.11 opt A

Ans.12 opt C

Q13 and Q15 are subjective answer type questions, Answer them briefly.

13. Explain the term regularization?

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.

14. Which particular algorithms are used for regularization?

Regularization is used in machine learning as a solution to overfitting by reducing the variance of the ML model under consideration. Regularization can be implemented in multiple ways by either modifying the loss function, sampling method, or the training approach itself

And there are three algorithms used for regularization……namely!!

Ridge Regression (L2 Norm)

Lasso (L1 Norm)

Dropout.

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

Within a linear regression model tracking a stock's price over time, the error term is the difference between the expected price at a particular time and the price that was actually observed.

The standard error of the regression is also known as residual standard error.