MACHINE LEARNING

Q1. Answer – D

Q2. Answer - A

Q3. Answer - B

Q4. Answer - D

Q5. Answer - C

Q6. Answer - B

Q7. Answer - D

Q8. Answer - D

Q9. Answer - A

Q10. Answer - B

Q11. Answer - B

Q12. Answer – A&B

Q13. Explain the term regularization?

Answer - Regularization is a technique used in machine learning and statistical modeling to prevent overfitting and improve the generalization ability of models. Overfitting occurs when a model performs extremely well on the training data but fails to generalize well to unseen or new data.

Q14. Which particular algorithms are used for regularization?

Answer - Here are some commonly used algorithms that incorporate regularization techniques:

Ridge Regression

Lasso Regression

Elastic Net

Logistic Regression with L1/L2 Regularization

Support Vector Machines

Neural Networks

Q15. 15. Explain the term error present in linear regression equation?

Answer - Error is the difference between the predicted values (obtained from the linear regression equation) and the actual observed values of the dependent variable in the data set.