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| Q. No | Statement | CO mapping |
| Section A  5 x 2 = 10 marks | | |
| 1 | Define the term exploratory data analysis. | CO2 |
| 2 | Define possibility of conversion for Regression into Classification and vice versa. | CO2 |
| 3 | Differentiate KNN and K-means Clustering | CO2 |
| 4 | Define dendrogram in Hierarchical Clustering Algorithm | CO3 |
| 5 | Listout different algorithms to solve a problem in Reinforcement Learning | CO3 |
| Section B  4 x 5 = 20 marks | | |
| 6 | Differentiate Root Mean Squared Error (RMSE) with Mean Squared Error (MSE) for Linear Regression? | CO2 |
| 7 | Describe over fitting with comparison to underfitting? Give any one method to avoid over fitting. | CO3 |
| 8 | Elaborate Apriori algorithm using confidence, support, and lift with an appropriate example. | CO2 |
| 9 | Compare Naive Bayes  with Logistic Regression to solve classification problems | CO3 |
| Section C  3 x 10 = 30 marks | | |
| 10 | Differentiate Random Forest with Decision Tree and Explain how is it possible to perform Unsupervised Learning with Random Forest? | CO3 |
| 11 | Can PCA be used for regression-based problem statements? If yes, then explain the scenario where we can use it. | CO4 |
| 12 | Compare Feature Extraction and Feature Selection techniques. Explain how dimensionality can be reduced using subset selection procedure. | CO4 |