**Subcode :P23A2ML Sub name: Machine Learning**

**QUESTION BANK**

1. Describe Data Preprocessing techniques in brief.
2. Write short note on Logistic Regression.
3. Explain DataFrame in Pandas library with example.
4. Explain Series, DataFrame in Pandas Data Structure.
5. Explain various functions available in Pandas DataFrame.
6. How to read/write CSV file into Pandas?
7. Explain Scikit-Learn with example.
8. Write short note on Support Vector Machine (SVM)
9. Explain Matplotlib with example.
10. What is K-means clustering? prove with an example
11. What is Microsoft Azure ML Studio? How it works?
12. What are benefits of ChatGPT?
13. Advantages and Disadvantages of Gemini AI Tools:
14. Write short note on Copilot.
15. Describe Tensorflow? Explain CPU, GPU and TPU.
16. Write short note on virtual environment and Anaconda.
17. Create a model to predict the XYZ person will going to buy a car using Logistic Regression.
18. Explain how we can add Extra hidden layer with Tensorflow.
19. Distinguish between Batch Gradient Descent and Stochastic Gradient Descent.
20. Demonstrate TF Datatypes, Placeholders in detail.
21. Short note on building an optimizer.
22. Short note on Gradient Descent.