# UNIT-IV: Regression and Classification

1) What do you mean by the Logistic Regression?

2) What are the different types of Logistic Regression?

3) Can we solve the multiclass classification problems using Logistic Regression? If Yes then How?

4) What is classification algorithm , Enlist all classification algorithm and explain any one with its application?

5) What is Linear Regression?Advantages and Disadvantages of Linear Regression.

6) difference between regression and classification

7) What is Regression algorithm , Enlist all Regression algorithm and explain any one with its application?

8) What is 'Naive' in a Naive Bayes? Explain in details.

9) Explain SVM Algorithm in Detail?

# UNIT-V: Data Analysis and Visualization

1) Define the Pandas/Python pandas?

2) Mention the different types of Data Structures in Pandas?

3) How can we calculate the standard deviation from the Series?

4) Define DataFrame in Pandas?

5) Explain Categorical data in Pandas?

6) Explain numpy, Pandas, Matplotlib, Seaborn with its application and give any one example of each?

7) Why NumPy is used in Python? What does NumPy mean in Python?

8) Explain the operations that can be performed in NumPy. Why is the shape property used in NumPy?

9) What is array slicing in NumPy? How is the seed function used in NumPy?

10) How to convert the data type of an array in NumPy?

11) Explain Numpy Array and list its all functions and explain any 4 functions?

12) What is the difference between copy and view in NumPy?

13) what is matplotlib? which types of plot we visualize by using matplotlib?

# UNIT-VI: Machine Learning

1) What are the  supervised learning algorithm?

2) What are the  clustering algorithm?explain any one with example?

3) What are the  supervised learning algorithm? Explain any one with real time example

4) Give examples of using Clustering to solve real-life problems?

5) what is Nueral network? explain in detaisl with example?

6) What are the  unsupervised learning algorithm? Explain any one with real time example

7) Difference between Supervised and Unsupervised(any-10 points)