 SURESH GYAN VIHAR UNIVERSITY Accredited by NAAC with 'A' Grade		INTERNAL ASSIGNMENT - 1
Course	MCA	Machine Learning concepts using Python
Semester	3	
Total Marks:	15	

Q 1. Write answers for any two questions from below. (5 marks each – Word limit – 500)

A. Define machine learning and its type.

B. List steps involved in training a machine learning algorithm.

C. Write code in Python to separate Wine data into training and test sets—using 70 percent and 30 percent of the data, respectively—and standardize it to unit variance.

Q 2. Write short notes on all of the following topics (1 mark each - Word limit - 100)


A. Regression analysis

B. What is Adaline?

C. Sigmoid function

D. LDA

E. PCA

 SURESH GYAN VIHAR UNIVERSITY Accredited by NAAC with 'A' Grade		INTERNAL ASSIGNMENT - 2
Course	MCA	Machine Learning concepts using Python
Semester	3	
Total Marks:	15	

Q 1. Write answers for any two questions from below. (5 marks each – Word limit – 500)

- A. Write code in Python to load datasets from CSV files.
- B. How to Transforming words into feature vectors? Explain.
- C. Explain K-means clustering and steps to achieve K-means clustering.

Q 2. Write short notes on all of the following topics (1 mark each - Word limit - 100)

- A. Bagging
- B. ROC AUC
- C. Opinion mining
- D. Use of PyPrind
- E. Frequency-inverse document frequency