
 SURESH GYAN VIHAR UNIVERSITY <small>Accredited by NAAC with 'A' Grade</small>		INTERNAL ASSIGNMENT - 1
Course	BCA Plus	Deep Learning and NLP
Semester	4	
Total Marks:	15	

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

- a) Define Artificial Intelligence.
- b) What are the major applications of AI, explain them?
- c) Define Machine Learning.

Q.2. Write short notes to all questions from below. (1 Mark each - Word limit - 100)

- a) What is the algorithm for supervised learning?
- b) Write a short note on k-Nearest Neighbours.
- c) Explain logistic regression.
- d) What are neural networks?
- e) What was the motivation behind neural networks?

 SURESH GYAN VIHAR UNIVERSITY <small>Accredited by NAAC with 'A' Grade</small>		INTERNAL ASSIGNMENT - 2
Course	BCA Plus	Deep Learning and NLP
Semester	4	
Total Marks:	15	

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

- a) Differentiate between Biological / Artificial neural network.
- b) Write a note on Deep neural network.
- c) What are the steps to perform DBN?

Q.2 Write short notes to all questions from below. (1 Mark each - Word limit - 100)

- a) Explain the working of Artificial Neural Networks.
- b) What is Activation function?
- c) Define Sigmoid or Logistic Activation Function.
- d) What does 'clock rate' mean in the context of recurrent neural networks (RNNs)?
- e) What are the significant features of PyTorch?