UNIT-5

Q. No	Question
1	a) How Biological Neurons related to ANN? Explain. b) With neat sketch explain Loading and preprocessing data from multiple CSV files?
2	a) Name three popular activation functions. Can you draw and explain them? b) Explain about the step-by-step procedure to install TensorFlow 2
3	a) Explain about Logical Computations with Neurons. b) Differentiate Forward and Backward propagations in ANN.
4	a) Why would you want to use the Data API? Explain about Data API? b) Illustrate the two types of implementations of Keras API.
5	a) Explain about Perceptron ANN architecture with a neat sketch. b) Elaborate the steps in processing data with TensorFlow.
6	a) What are the benefits of splitting a large dataset into multiple files? Explain about tf.keras while using dataset? b) With neat sketch explain Chaining dataset transformations.
7	a) Explain about Multi Layer Perceptron (MLP) ANN architecture. b) How is data loaded with TesorFlow? Illustrate the steps
8	a) What types of neural network layers does Keras support? Explain them. b) Discuss about shuffle() method in Keras.