**Sample Question Bank for Practical SL-II**

1. Write a program to plot Sigmoid activation functions that are being used in neural networks.
2. Write a program to plot Tanh activation functions that are being used in neural networks.
3. Write a program to plot ReLu activation functions that are being used in neural networks.
4. Write a program to plot Softmax activation functions that are being used in neural networks.
5. Generate ANDNOT function using McCulloch-Pitts neural net.
6. Write a program using Perceptron Neural Network to recognize even numbers. Given numbers are in ASCII from 0 to 9
7. Write a program using Perceptron Neural Network to recognize odd numbers. Given numbers are in ASCII from 0 to 9
8. With a suitable example demonstrate the perceptron learning law with its decision regions using python. Give the output in graphical form.
9. Write a python Program for Bidirectional Associative Memory with two pairs of vectors.
10. Implement Artificial Neural Network training process in Python by using Forward Propagation.
11. Implement Artificial Neural Network training process in Python by using Back Propagation.
12. Write a python program to illustrate ART neural network.
13. Write a python program to design a Hopfield Network which stores 4 vectors
14. How to Train a Neural Network with TensorFlow/Pytorch and evaluation of logistic regression using tensorflow.
15. MNIST Handwritten Character Detection using PyTorch, Keras and Tensorflow.
16. Mini project on any Object Detection