

Neural Networks And Fuzzy Systems(CSE 431)

Assignment- 2

1a.Explain the different pattern recognition tasks that can be performed by the basic feed forward neural networks?

1b. What are the stopping criteria used in back propagation learning?

2a. Write the single layer Perceptron algorithm.

2b. What is pattern environment storage problem?

3a. Explain the different pattern recognition tasks that can be performed by competitive learning neural networks?

3b. What is linear separability? Explain with an example.

4a. Give an example to prove that Single layer perceptron, will fail, and show the necessity of Multi layer perceptron. Draw the necessary diagrams.

4b. What are the virtues and limitations of back propagation learning?

5a. Derive back propagation algorithm when neuron j is an output node.

5b. Explain apple- orange recognition problem.