

SCHOOL OF COMPUTING

MACHINE LEARNING – ASSIGNMENT II

B. E /B. TECH –CSE/IT

SUBJECT CODE: SCSA1601

PART A (5 Marks)

1 A perceptron is

- A. single layer feed forward neural network with preprocessing
- B. an auto associative neural network
- C. initial guess as to cluster centroids
- D. all the mentioned

2. ANN is composed of large number of highly interconnected processing elements(neurons) working in unison to solve problems.

- A. . True
- B. False

3. Artificial neural network used for

- A. Pattern Recognition
- B. Classification
- C. Clustering
- D. All of these

4. A Neural Network can answer

A.For Loop questions

B.what-if questions

C.IF-The-Else Analysis Questions

D.None of these

5. Ability to learn how to do tasks based on the data given for training or initial experience

A.Self Organization

B.Adaptive Learning

C.Fault tolerance

D.Robustness

PART –B (5 Marks)

1.Define Neural Network.

2. Highlight the levels of brain organization.

3. Comment on Perceptron.

4.What do you infer from the word Feed Forward Network.

5. Justify the significance of ANN in machine learning..

PART C (5 Marks)

1.Comment on Back Propagation technique.

OR

2.Illustrate Multi Layer perceptron with an appropriate details.