FACULTY OF ENGINEERING & TECHNOLOGY
UNIVERSITY OF LUCKNOW
Second Mid Term Examination
B.TECH. (CSE-AI), SEMESTER-VI, 2023-24

Student's Name & Roll No..

Subject Code: AI-6031   Subject: Soft Computing
Time: 1 Hrs.   Max. Marks: 20
Instruction: Attempt all sections.   Branch: CSE-AI

SECTION A

1. Attempt all parts   (5X1 = 5)

   a) Write three application scope of the Neural Network.
   b) Compare feed forward and feedback networks.
   c) Define artificial neural network, Draw its mathematical model?
   d) Explain the architecture of biological neuron.
   e) Sketch the model of artificial neuron.

SECTION B

Answer any THREE questions.   (3X5 = 15)

2. Compare supervised and unsupervised learning approaches in ANN.
3. List out the steps in perceptron learning algorithm for single output classes.
4. What is Activation Function and write its importance.
5. Differentiate between Hard Computing and Soft Computing.