School of Engineering

Department of Electrical Electronics and Communication Engineering
Mid Term Examination

Exam Date: 29 Sep 2023
Time : 90 Minutes
Marks : 50

Sem III - MCEN6011 - Soft Computing

Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary

1)	Compare the performance of a computer and that of a biological neural network in terms of speed of processing and fault tolerance	K2	(2)
2)	Define Artificial Neural Network	K1	(3)
3)	Explain important characteristics and applications of artificial neural network	K2	(4)
4)	Outline the classical models for an artificial neurons?	K2	(6)
5)	Build Biological neural network and Explain its each constituent.	K3	(6)
6)	Construct the basic McCulloch-Pitts model for Artificial neural Network.	K3	(9)
7)	Categorize a Adaline model to obtain the error in it.	K4	(8)
8)	Distinguish Perceptron and Adaline models of neuron. Also explain each of them	K4	(12)

OR

	Distinguish Mamdani method and Sugeno method for fuzzy inference	K4	(12)