SRINIVASA INSTITUTE OF ENGINEERING AND TECHNOLOGY

UGC – Autonomous Institution

III B. Tech II Semester I MID Examinations, FEBRUARY -2025

DEEP LEARNING

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Time : 90 Mins   Max. Marks:30   Date:24.02.2025

S.No	Note: Answer All Questions	Marks	LEVEL	CO	PO
1.	How do confusion matrices help in evaluating classification models?	10	K2	CO 1	PO 1, PO 5
2.	a) Define an artificial neural network (ANN) and explain its components.(5M) b) What are activation functions? Explain ReLU, Sigmoid, and Softmax activation unctions.(5M)	10	K2	CO 2	PO 1
3.	Explain the difference between **overfitting and underfitting** in neural networks	10	K2	CO 3	PO 1, PO 5