

Code: **21P61602**

SR21

SET-2

SRINIVASA INSTITUTE OF ENGINEERING AND TECHNOLOGY

UGC – Autonomous Institution

III B. Tech II Semester II MID Examinations, MAY -2025

DEEP LEARNING

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Time : 90 Mins

Max. Marks:30

Date:01.05.2025

S.No	Note: Answer All Questions	Marks	LEVEL	CO	PO
1.	Describe the workflow of a Natural Language Processing (NLP) system using deep learning. What are the key components involved?	10	K2	CO 1	PO 2, PO 1
2.	Define Machine Vision and explain its role in interactive deep learning applications with examples.	10	K1	CO 3	PO 2,PO3
3.	a) Write and explain a simple RNN implementation using Python or PyTorch code. b) What are PyTorch Tensors? List their basic operations with examples.	10	K1& K2	CO 3	PO 3, PO 1