Code: **21P03601**   SR21   SET-3

SRINIVASA INSTITUTE OF ENGINEERING AND TECHNOLOGY

UGC – Autonomous Institution

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

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

MECHANICL ENGINEERING

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

S.No	Note: Answer All Questions	Marks	LEVEL	CO	PO
1.	What are Neural Networks? Explain the perceptron model and its limitations.	10	K 1	CO 1	PO 2, PO 1
2.	Explain Genetic Algorithms. How are they used for problem-solving in AI?	10	K 2	CO 1	PO 2,PO3
3.	**Differentiate between propositional logic and first-order logic in AI.**	10	K 2	CO 3	PO 3, PO 1