

Code: **21P03601**

SR21

SET-1

SRINIVASA INSTITUTE OF ENGINEERING AND TECHNOLOGY

UGC – Autonomous Institution

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

**ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

**MECHANICAL ENGINEERING**

Time : 90 Mins

Max. Marks:30

Date:01.05.2025

S.No	Note: Answer All Questions	Marks	LEVEL	CO	PO
1.	<b>Define Machine Learning (ML) and explain its evolution over time.</b>	10	K 1	CO 3	PO 2, PO 1
2.	<b>State Bayes' theorem and write its mathematical formula.</b>	10	K 2	CO 3	PO 2,PO3
3.	<b>Define the K-Nearest Neighbors (KNN) algorithm.</b>	10	K 1	CO 4	PO 3, PO 1