

Code: **21P03601**

SR21

SET-2

SRINIVASA INSTITUTE OF ENGINEERING AND TECHNOLOGY

UGC – Autonomous Institution

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

**ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

**MECHANICAL ENGINEERING**

Time : 90 Mins

Max. Marks:30

Date:24.02.2025

S.No	Note: Answer All Questions	Marks	LEVEL	CO	PO
1.	What are intelligent agents in AI? Explain their structure and relationship with the environment.	10	K 1	CO 1	PO 2, PO 1
2.	Describe the concept of rationality in AI. How does it relate to good behavior in intelligent agents?	10	K 2	CO 1	PO 2,PO3
3.	<b>Explain the Wumpus World problem and its significance in logical reasoning.</b>	10	K 2	CO 2	PO 3, PO 1