Code: **21P03601**   SR21   SET-2

SRINIVASA INSTITUTE OF ENGINEERING AND TECHNOLOGY

UGC – Autonomous Institution

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

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

MECHANICL ENGINEERING

Time: 90 Mins   Max. Marks:30   Date:01.05.2025

S.No	Note: Answer All Questions	Marks	LEVEL	CO	PO
1.	What is the Minimum Description Length (MDL) principle, and how is it used in Machine Learning?	10	K 1	CO 3	PO 2, PO 1
2.	Define clustering and explain its importance in unsupervised learning.	10	K 1	CO 4	PO 2,PO3
3.	Suppose you have a dataset of customer transactions. How would you use Decision Trees to classify customers into different spending categories?	10	K 3	CO 4	PO 3, PO 1