O.P.Code: 20CS5005	R20	H.T.No.									

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR

(AUTONOMOUS)

M.Tech. I Year II Semester Regular & Supplementary Examinations July-2025

MACHINE LEARNING

(Computer Science & Engineering)

Time: 3 Hours **Max. Marks: 60**

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1	a	Write a detail note on naïve bayes linear models.	CO1	L4	6M
	b	What is support vector machine? Discuss in detail.	CO1	L2	6M

OR

2		Explain the following: i) Linear regression in Supervised Learning ii) Logistic Regression in Supervised Learning	CO1	L3	12M

UNIT-II

3		Explain generative models in detail.	CO2	L3	12M

OR

4		Define clustering. What are the different types of clustering explain in detail.	CO2	L4	12M

UNIT-III

5	a	Define statistical theory how it is performed in machine learning.	CO3	L3	6M
	b	What is Random forest? Explain with example.	CO3	L2	6M

OR

6		What is Boosting? Discuss with neat relevant example.	CO3	L2	12M

UNIT-IV

7	a	Explain the concept of Modelling sequence timing series data.	CO4	L4	6M
	b	How does inference in graphic model occurs explain the technology.	CO4	L3	6M

OR

8		Discuss scalable Machine learning with distributed & online.	CO4	L2	12M

UNIT-V

9	a	Give a detail note on Classification methods for IOT with neat sketch.	CO5	L4	6M
	b	What are advantages and disadvantages of IOT discuss with real time example?	CO5	L2	6M

OR

10		Explain the various models for IOT applications discuss with example.	CO5	L3	12M

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