Prin	ted page: 02	Subject Code: ACSBS0513							
NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA (An Autonomous Institute) Affiliated to Dr. A.P. J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow Course: B. Tech Branch: CSBS Semester: V Session Examination: First									
	ect Name: Machine Learning : 1.15 Hours	Year- (2022 - 2023)	1						
Genera	l Instructions:								
> Section > Sect	Question paper consists of 02.pages &05.questions. It cted to answer them as directed. on A -Q.No-1 is of one 1 mark each & Q. No-2 con B-Q. No-3 carries 5 marks each. on C-Q.No-4 & 5 carries 6 marks each. Attempt a	arries 2 mark each	You are						
100	SECTION	V-A	[08Marks]						
	l questions are compulsory-	No	(4×1=4)						
a.	You are given review of few movies negative or neutral, Classifying review example of: a. Supervised learning b. Un-Supervised learning c. Reinforcement learning d. semi-Supervised learning	s marked as positive, lew of a new move is an	(1) CO1						
b.	Which of following are types of Le a. Supervised learning b.Unsupervised learning c. Classification d. Both a and b	earning in ML	(1) CO1						
c.	Which of following are activation network	functions in neural	(1) CO2						

a.RELU

b.Sigmoid c.Tan

d.All of these.

	d.	Logistic regression uses which function for generating S							(1)	CO2	
		curve.									
		a.Relu b.Bipolar									
		c.Sigmoi				40					
		d.None	of the abo	ve							
2.	All	all questions are compulsory-						(2×2=4)			
		. What do you understand by Linear Regression.					(2)	CO2			
			4.4	The state of the					(2)	CO1	
	b. Describe the term Machine Learning.										
	SECTION - B							A STATE OF THE PARTY OF THE PAR	[arks]		
3.	3. Answer any two of the following-								5=10)		
	a.	Discuss the advantages and Issues in Machine Learning						(5)	CO1		
	b.	Describe	e the vario	ous types	of learn	ing in N	AL with ex	kample	(5)	CO1	
	c.	Describe	e the conc	ept of ne	ural net	work			(5)	CO2	
	FIZM								[arks]		
	SECTION - C							6=6)			
4	An	swer an	y one of t	he follow	ving-			12	(1.	0 0)	
	a.								(6)	CO2	
		detail						(6)	CO1		
	b.	b. Explain the following terms:									
	Hypothesis, Hypothesis space, VC Dimension										
_			w one of	the follow	wing_	0			(1)	(6=6)	
5.		Answer any one of the following- a. Consider the following dataset of 4 instances it contain							(6)	CO1	
	a.	details whether person enjoy sports or not. Apply the Find S									
		algorithm									
		algorium	Airtemp	Humidity	Wind	Water	Forecast	EnjoySport			
				Normal	Strong	Warm	Same	Yes			
		Sunny	Viann	Normal			•			1	
		Sunny	Warm	High	Strong	Warm	Same	Yes			
		Rainy	izold	High	Strong	Warren "	Change	No			
		Sunry	Warm	High	Strong	Cool	Change	Yes	201		
	ch	Describ	e the con	cent of Po	CA and	why the	ese are use	d?	(6)	CO1	