

Sardar Patel Institute of Technology

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058, India (Autonomous College Affiliated to University of Mumbai)

Mid Semester Examination

Mar 2019

Max. Marks: 20 Class: M.Tech.

Duration: 60 Mins.

Semester: II

Course Code: CEE924

Branch: Computer Engineering

Name of the Course: Machine Learning

Synoptic

Instruction:

(1) All questions are compulsory

(2) Draw neat diagrams

(3) Assume suitable data if necessary

Q.1	Outline the key tasks or key jobs of machine learning.	Max. Marks	CO
	Answer: Describing job to predict, in classification Describing job to predict, in regression Interpreting supervised learning Giving 2 example of Supervised learning Describing density estimation/clustering learning. 01 Mark 0.5 mark 0.5 mark 0.5 Mark 0.5 Mark	05	CO
Q.2	What are the different steps in ID3 algorithms? Answer: each steps of Algorithm 01 Mark	05	CO2
	OR		
	what is linear Regression? Explain with examples. Differentiate between Linear and Logistic Regression. Answer: linear Regression with example 03 Marks Differentiate between Linear and Logistic Regression at least 04 Points 02 Marks		

	INDEX	A	В	C	D	E	
	1	4.8	3.4	1.9	0.2	Positive	
	2	5	3	1.6	1.2	Positive	
	3	5	3,4	1.6	0.2	Positive	
	5	5 5.2 5 4.7	3.5 3.4 3.2 3.1	1.5 1.4 1.6 1.6	0.2 0.2 0.2 0.2	Positive Positive Positive Positive	
	6						
	7	4.8					
	8	5.4	3.4	1.5	0.4	Positive	111111111111111111111111111111111111111
	9	7	3.2	4.7	1.4	Negative	1 - (1 -)
	10	6.4	3.2	4.7	1.5	Negative	
	11	6.9	3.1	4.9	1.5	Negative	
	12	5.5	2.3	4	1.3	Negative	
		C. 100	2.8	4.6	1.5	Negative	
	14	5.7	2.8	4.5	1.3	Negative	
	15	6.3	3.3	4.7	1.6	Negative	
1	16	4.9	2.4	3.3	1	Negative	
A	Answer:	Calcul	ating each			marks each.	