

**SEMESTER END REGULAR MINORS EXAMINATIONS(AR20), NOVEMBER-2023**

U.G.		<b>CIVIL,EEE,MECH,ECE,CHEM</b>		Degree	Bachelor of Technology		
Academic Year		2023-2024		Sem.	7 <sup>th</sup>		
Course Code		<b>20ITMC1</b>		Course Title			
				<b>FUNDAMENTALS OF MACHINE LEARNING ALGORITHMS</b>			
Duration		3 Hours		Maximum Marks		60 (SIXTY)	
Remember %	11	Understand %	89	Apply %	-	Analyze %	-

**SECTION-I**

6 x 2 = 12 Marks

1.

No.	Questions (a to f)	RBT Level	COs
a	List out the scope of AI	Remember	1
b	Define Reinforcement Learning	Remember	1
c	List out the features of raw of data	Remember	2
d	Define Data science	Remember	2
e	How do you reduce noise in ML	Remember	3
f	Write a short notes on KNN	Remember	4

**SECTION-II**

4 x 12 = 48 Marks

No.	Questions (2 to 9)	RBT Level	COs	Marks
2	(a) Explain the Different Types of Machine Learning?	Understand	1	6M
	(b) Explain about Regression in detail? How to predict data in machine learning?	Understand	1	6M
<b>OR</b>				
3	(a) Explain machine learning algorithm to predict a number.	Understand	1	4M
	(b) Illustrate the best fitting line in machine learning in detail.	Understand	1	8M
4	(a) Explain how machine actually learn.	Understand	2	4M
	(b) Explain data transformation in ML. Why do we need data transformation?	Understand	2	8M
<b>OR</b>				
5	(a) Explain machine learning in precision agriculture.	Understand	2	6M
	(b) Explain QuAM in machine learning.	Understand	2	6M
6	(a) Explain the need of a data pipeline with neat sketch	Understand	3	6M
	(b) Explain clean data in machine learning and purpose of data cleaning?	Understand	4	6M
<b>OR</b>				
7	(a) How is machine learning used in image classification?	Understand	3	6M
	(b) Explain bias in machine learning with example.	Understand	4	6M
8	(a) How to assess your QuAM for use in your Business	Understand	5	6M
	(b) Explain about process of Problem definition	Understand	6	6M
<b>OR</b>				
9	(a) Explain about MLPL	Understand	5	6M
	(b) Explain the different kinds of wrong	Understand	6	6M

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