

Subject Code:-

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Subject:-

Machine Learning with Python

Roll No:-

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TECNIA INSTITUTE OF ADVANCED STUDIES

BCA

Class Test (2025-2026)

Shift – M & E

Sem: 5th

Set - 1

Date:

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Time: -1:00 Hours

Max. Marks: 30

General Instructions:

- All Questions are compulsory. Answers should be brief and to the point.
- It comprises three sections, A, B, and C. you are to attempt all the sections.
- **Section A** – Question No -1 is Very Short Answers type carrying 2 marks each. You are required to answer ALL.
- **Section B**- Question No-2 is Short Answers type question carrying 5 marks each. You are required to attempt any TWO out of THREE questions given.
- **Section C**- Question No -3 is Long Answer type question carrying 10 marks each. You need to attempt any one.
- Students are instructed to cross the blank sheets before handing over the answer sheet to the invigilator.
- No sheet should be left blank. Any written material after a blank sheet will not be evaluated /checked.

		CO	BT	M
	SECTION –A			(10)
1.	Attempt all of the following.			(5*2=10)
	a. Why is Machine Learning important?	CO1	L1	
	b. What is a Binary Classifier?	CO1	L1	
	c. What is the goal of Supervised Learning?	CO2	L1,L2	
	d. Define a Decision Tree?	CO1	L1,L2	
	e. What is the difference between Regression and Classification?	CO2	L1,L2	
	SECTION –B			
2.	Answer any Two of the following.			(2*5=10)
	a. Explain different types of Machine Learning problems with examples?	CO3	L2,L3	
	b. Explain the importance of NumPy and Pandas in Machine Learning?	CO3	L1,L2	
	c. Explain Logistic Regression and its usages in Machine Learning ?	CO1	L1,L2,L3	
	SECTION –C			
3.	Answer any One of the following.			(1*10=10)
	a. Explain Logistic Regression and its use in classification?	CO1	L1,L2,L3	
	b. Discuss major applications of Machine Learning in various domains ?	CO1	L1,L2,L3	