

Subject Code:-

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Subject:-

Internet of Things

Roll No:

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TECNIA INSTITUTE OF ADVANCED STUDIES

MCA Sem: 3<sup>rd</sup>

Class Test (2025-2026)

Set - I

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
<b>SECTION –A</b>				<b>(10)</b>
<b>1.</b>	<b>Attempt All of the following.</b>			<b>(5*2=10)</b>
a.	Name any two key technologies that led to the evolution of IoT.	CO1	L1	
b.	What is meant by IoT Protocols.	CO1	L1	
c.	Name any two enabling technologies for IoT.	CO2	L1,L2	
d.	What role do Sensors play in IoT.	CO1	L1,L2	
e.	How is Smart Agriculture related to IoT.	CO2	L1,L2	
<b>SECTION –B</b>				
<b>2.</b>	<b>Answer any Two of the following.</b>			<b>(2*5=10)</b>
a.	Define Physical functional block of IoT	CO3	L2,L3	
b.	Explain Exclusive pair communication model in detail.	CO3	L1,L2	
c.	Mention any three challenges faced in IoT implementation	CO1	L1,L2,L3	
<b>SECTION –C</b>				
<b>3.</b>	<b>Answer any One of the following.</b>			<b>(1*10=10)</b>
a.	Explain Physical design of IoT refers to IoT devices and IoT protocols.	CO1	L1,L2,L3	
b.	Comparison with User interface related Technologies like SCADA, M2M, SDN.	CO1	L1,L2,L3	