

Hall Ticket No.:

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Set-1Course Code: **23MTCSE05**

**MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE
(AUTONOMOUS)**

I-M.Tech. I-Semester (MR23) Regular Examinations, March - 2024

Internet of Things

COMPUTER SCIENCE & ENGINEERING

Time: 3 hours

Max. Marks: 75

Answer **ALL** the questions – **5*15=75 Marks**

Q. No.	Question		Marks	CO	BL
1	a)	Compare Different types of IoT Architectures.	(8M)	CO1	L2
	b)	What are Functional Blocks of an IoT Eco System? Explain.	(7M)	CO1	L3
(OR)					
2	a)	List different Enabling Technologies of IoT.	(7M)	CO2	L1
	b)	Evaluate different phases of Internet of Things.	(8M)	CO2	L2
3	a)	Examine Application Layer Protocols in IoT.	(8M)	CO2	L2
	b)	What is the Influence of Low Power and Lossy Networks over Rating	(7M)	CO2	L3
(OR)					
4	a)	What are Application Transport Methods? Explain.	(8M)	CO2	L2
	b)	Distinguish Constrained Nodes and Constrained Networks	(7M)	CO2	L3
5	a)	Discuss about System on Chips.	(7M)	CO3	L2
	b)	Explain Interfaces and Raspberry Pi with Python Programming.	(8M)	CO3	L3
(OR)					
6	a)	Discuss about Design Methodology of IoT	(8M)	CO3	L2
	b)	What is the Influence of Microcontroller in IoT	(7M)	CO3	L3
7	a)	Differentiate Structured and Unstructured data, Data in Motion and Data in Rest	(7M)	CO4	L2
	b)	Discuss Briefly about Hadoop Eco-System.	(8M)	CO4	L3
(OR)					
8	a)	Explain about Edge Streaming Analytics and Network Analytics.	(8M)	CO4	L2
	b)	Compare Different types of Python Web Applications.	(7M)	CO4	L3

9	a	Discuss about Converged Plant wide Ethernet Model (CPwE)	(7M)	CO5	L2
	b	Explain about Smart Lighting, Smart Parking and Smart Traffic Control.	(8M)	CO5	L3
(OR)					
10	a	Briefly Discuss about Power Utility Industry	(8M)	CO5	L2
	b	Explain about different IoT platforms	(7M)	CO5	L3

MODEL QUESTION PAPER