

HALL TICKET NUMBER

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PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)

IV B.TECH I SEMESTER END REGULAR EXAMINATIONS, NOV-2022
FUNDAMENTALS OF IOT
(EEE Branch)

Time: 3 hours

Max. Marks: 60

Note: Question Paper consists of Two parts (Part-A and Part-B)

PART-AAnswer **all** the questions in Part-A (5X2=10M)

Q.No.	Questions	Marks	CO	KL
1.	a) List the disadvantages of IoT.	[2M]	1	1
	b) How the IoT used in Health & Lifestyle domain?	[2M]	2	1
	c) What is the third step in design methodology of IoT Systems?	[2M]	3	1
	d) What are endpoint devices in IoT?	[2M]	4	1
	e) List any four mostly used sensors types in IoT.	[2M]	5	1

PART-BAnswer **One Question from each UNIT** (5X10=50M)

Q.No.	Questions	Marks	CO	KL
UNIT-I				
2.	a) Discuss about the different components of IoT.	[5M]	1	2
	b) Briefly explain the Logical design of IoT?	[5M]	1	2
OR				
3.	a) What are the components involved in IoT Level Template system?	[5M]	1	1
	b) Write short notes on IoT Level 4.	[5M]	1	2
UNIT-II				
4.	a) Discuss in detail the IoT Design methodology for Home automation system.	[5M]	2	4
	b) What are the challenges or risks associated with IoT?	[5M]	2	1
OR				
5.	a) Discuss about the different components of IoT.	[5M]	2	2
	b) Explain about Agriculture applications of IoT.	[5M]	2	2
UNIT-III				
6.	a) What are the differences between M2M and IoT?	[5M]	3	2
	b) Explain the Domain Model Specification in IoT Design Methodology?	[5M]	3	2
OR				
7.	a) What is the use of Software Defined Networking and NFV for IoT?	[5M]	3	4
	b) Discuss about the importance of Python for IoT.	[5M]	3	3
UNIT-IV				
8.	a) What are the basic requirements of Raspberry Pi board?	[5M]	4	1
	b) Explain about block diagram of an IoT Device.	[5M]	4	2
OR				
9.	a) Discuss about Raspberry Pi interfaces.	[5M]	4	4
	b) What are the basic building blocks of an IoT Device?	[5M]	4	1
UNIT-V				
10.	Elaborate the Building Smarter cities using IoT.	[10M]	5	3
OR				

11.		Write about top 10 applications of IoT.	[10M]	5	1
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