

HALL TICKET NUMBER

--	--	--	--	--	--	--	--	--	--

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

IV B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH-2023
INTERNET OF THINGS
(ECE 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 any four mostly used sensors types in IoT.	[2M]	1	1
	b) Differentiate between Arduino and Raspberry pi.	[2M]	2	4
	c) What are the disadvantages of SNMP?	[2M]	3	1
	d) Differentiate Python Arrays and lists?	[2M]	4	4
	e) What are endpoint devices in IoT?	[2M]	5	1

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

Q.No.	Questions	Marks	CO	KL
UNIT-I				
2.	a) Write the advantages of IoT?	[5M]	1	1
	b) Discuss about some of the most common IoT applications.	[5M]	1	4
OR				
3.	a) What are the challenges or risks associated with IoT?	[5M]	1	1
	b) Discuss about Agriculture applications of IoT.	[5M]	1	4
UNIT-II				
4.	a) Discuss about components of Arduino UNO board.	[5M]	2	4
	b) Explain Arduino API's.	[5M]	2	2
OR				
5.	Discuss about Arduino IDE.	[5M]	2	4
UNIT-III				
6.	a) What is the use of SDN and NFV for IoT?	[5M]	3	1
	b) What are the differences between M2M and IoT?	[5M]	3	1
OR				
7.	a) Discuss about the need for IoT systems management.	[5M]	3	4
	b) What are the Network operator requirements?	[5M]	3	1
UNIT-IV				
8.	a) Explain Python built-in datatypes with example.	[5M]	4	2
	b) Discuss about the Date/Time operations in Python.	[5M]	4	4
OR				
9.	a) Write notes on File handling in Python.	[5M]	4	1
	b) Discuss about Python Packages for IoT.	[5M]	4	4

UNIT-V					
10.	a)	Discuss about Raspberry Pi interfaces.	[5M]	5	4
	b)	Why we need to choose raspberry pi to develop IOT applications?	[5M]	5	1
OR					
11.	a)	What are the basic building blocks of an IoT Device?	[5M]	5	1
	b)	How do I make a Raspberry Pi web server?	[5M]	5	1
