

HALL TICKET NUMBER

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

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

II B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH/APRIL - 2023
DATA COMMUNICATIONS AND NETWORKING FOR IOT
(CSE(IOTCSBT) Branch)

Time: 3 hours

Max. Marks: 60

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

PART-A

Answer all the questions in Part-A (5X2=10M)

Q.No.	Questions	Marks	CO	KL
1	a) List the two types of Line Configuration.	[2M]	1	
	b) Name the two major categories of Transmission Media	[2M]	2	
	c) Define Traffic Shaping.	[2M]	3	
	d) List the features of IOT	[2M]	4	
	e) Define Scalability and flexibility	[2M]	5	

PART-B

Answer One Question from each UNIT (5X10=50M)

Q.No.	Questions	Marks	CO	KL
UNIT-I				
2.	Distinguish between Checksum and CRC (Cyclic Redundancy Check)	[10M]	1	
OR				
3.	Name some services provided by the application layer in the internet Model.	[10M]	1	
UNIT-II				
4.	Compare and Contrast flow control and Error control.	[10M]	2	
OR				
5.	Discuss the Concept of redundancy in error detection and correction.	[10M]	2	
UNIT-III				
6.	Define the following terms (i)World Wide Web (ii) High Speed LANS	[10M]	3	
OR				
7.	Discuss the Leaky Bucket Algorithm with diagram	[10M]	3	
UNIT-IV				
8.	Explain any three connectivity technologies in IoT	[10M]	4	
OR				
9.	Define the following terms (i)Host Multihoming (ii)Classical Multihoming	[10M]	4	
UNIT-V				
10.	Explain M2M IoT Standardized Architecture with a neat diagram.	[10M]	5	
OR				
11.	Illustrate the working procedure of MQTT with neat diagram	[10M]	5	
