HALL TICKET NUMBER

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)
II B.TECH I SEMESTER END REGULAR/SUPPLEMENTARY EXAMINATIONS, JAN - 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)	Define the five components of Data Communications System	[2M]	1	
	b)	List the two approaches of packet Switching	[2M]	2	
	c)	Name the policies that can prevent congestion	[2M]	3	
	d)	Define M2M communication.	[2M]	4	
	e)	List any three functional components of IoT	[2M]	5	

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

Q.No.		Questions	Marks	CO	KL
		UNIT-I			
2.		Categorize the four basic topologies in terms of Line Configuration.	[10M]	1	
		OR			
3.		Explain half duplex close case in TCP with neat diagram	[10M]	1	
		UNIT-II			
4.		Explain the process of Error Detection in Block coding with neat sketch	[10M]	2	
		OR			
5.		Compare and contrast a circuit switched network and a packet switched network	[10M]	2	
		UNIT-III			
6.		Define Link State Routing Algorithm and give its limitations	[10M]	3	
		OR			
7.		Define DNS and list the services provided by DNS with examples.	[10M]	3	
		UNIT-IV			
8.		Briefly explain Communication Technologies used in IoT systems	[10M]	4	
		OR			
9.		Discuss the Key functionalities of IoT Gateway	[10M]	4	
		UNIT-V			
10.		State the differences between M2M and IoT technology	[10M]	5	
		OR			
11.		Explain the different messages types support by CoAP protocol	[10M]	5	

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