Name				Printed Pages:01			
Student Admn. No.:							
School of Computing Science & Engineering							
Backlog Examination, June 2023							
[Program: B.Tech ] [Semester:IV] [Batch:1]  Course Title: Network Design and Management Max Marks: 100							
				: 3 Hrs.			
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2. Assume missing data suitably, if any.							
			K Level	COs	Marks		
SECTION-A (15 Marks) 5 Marks each							
1.	Identify the three classes used for public IP address and give an example in each case		case	k1	CO1	5	
2.	List the benefit of VLAN.			k2	CO1	5	
3.	What is the difference between UDP and TCP?			k1	CO3	5	
SECTION-B(40 Marks) 10 Marks each							
	_	ch of the following					
4.	i. Computer Network			k2	CO2	10	
	ii. Attenuation iii. Routing			KZ	CO2	10	
	iv. NIC	5					
5.	Describe any three network security strategies			k3	CO4	10	
6.	Describe different topologies in which a network is laid out Physically.			k4	CO1	10	
	Explain about the characteristics of the Border Gateway Protocol (BGP)?						
7.	OR			k3	CO3	10	
	List the differences between LAN, WAN and MAN networks with Examples						
SECTION-C (45 Marks) 15 Marks each							
8.	Write in detail how all the layers in ISO/OSI model work together for network operations.			k4	CO3	15	
9.	Explain 5G Wireless Networks in detail.			k3	CO4	15	
	Differenti	ate between Asset Management and Configuration Management	?	k3			
	OP						
10	OR						
	Explain how the following would be accomplished and show the expected output		out		CO5	15	
	i) Retrieve both MAC address and IP address of a computer						
	ii) Establish the path data has taken from source to destination						