

[M19CST1110]

I M.Tech I Semester (R19) Regular Examinations
ADVANCED COMPUTER NETWORKS
 (Computer Science & Engineering)
MODEL QUESTION PAPER

TIME: 3 Hrs.

Max. Marks: 75 M

Answer **ONE Question** from **EACH UNIT**

All questions carry equal marks

			CO	KL	M
		UNIT - I			
1.	a).	Give the Design Issues of Network layer and Compare Virtual Circuit & Datagram Networks.	CO1,CO3	K1,K4	7
	b).	Discuss abt Rting Algorithm and Differentiate Distance vector rting, Link state Rting.	CO1,CO3	K2,K4	8
		OR			
2.	a).	Describe abt Shortest Path Rting, flooding.	CO1,CO3	K2	7
	b).	Explain abt Hierarchical Rting with example.	CO1,CO3	K2,K4	8
		UNIT - II			
3.	a).	Describe Class-full Classification of IPV4	CO2	K2	8
	b).	Discuss Advantages of IPV6 over IPV4 and Describe the frame format of IPV6.	CO2	K2	7
		OR			
4.	a).	Discuss the importance of Network address translation(NAT)	CO2	K2	7
	b).	Explain Sub-Netting in IPV4 with Examples.	CO2	K2,K4	8
		UNIT - III			
5.	a).	Discuss abt TCP Services, TCP header format.	CO3	K1	8
	b).	Describe Flow control, Error control in TCP Protocol	CO3	K2	7
		OR			
6.	a).	Discuss abt UDP Services, UDP Header Format.	CO3	K1	8
	b).	Describe Stream Control Transmission Protocol (SCTP).	CO3	K2	7
		UNIT - IV			
7.	a).	Define congestion control? Discuss of congestion control in Transport layer.	CO4	K1,K2	8
	b).	Explain abt Frame Relay.	CO4	K2	7
		OR			



8.	a).	What are the characteristics of Quality of Service and demonstrate Techniques to Improve QOS.	CO4	K3	8
	b).	Discuss Emerging trends Computer Networks	CO1,CO4	K1	7
UNIT - V					
9.	a).	What is Domain name system? Describe abt Namespace, Name servers.	C03	K1,k2	8
	b).	Discuss abt HTTP protocol.	C03	K2	7
OR					
10.	a).	Discuss Email Services and architecture, message transfer, delivery	CO3	K2	8
	b).	Describe MIME (Multipurpose Internet Mail Extensions) message format.	CO3	K2	7

