

[M19 CS 1105]

I M. Tech I Semester (R19) Regular Examinations

ADVANCED COMPUTER NETWORKS

Department: OF ELECTRONICS & COMMUNICATIONS ENGINEERING

MODEL QUESTION PAPER

TIME: 3Hrs.

Max. Marks: 75M

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

All questions carry equal marks.

			CO	KL	M
		UNIT-I			
1.	a).	How are congestion control and quality of service related?	1	K1	6
	b).	What is the difference between open-loop congestion control and closed-loop congestion control?	1	K1	9
		OR			
2.	a).	Explain abt X.25 layers and frame relay operation?	1	K2	8
	b).	Briefly discuss abt ATM layers. ?	1	K6	7
		UNIT-II			
3.	a).	Describe the physical configuration of SONET with required diagrams?	2	K6	9
	b).	Explain folding algorithm in interconnection networks?	2	K5	6
		OR			
4.	a).	Describe the structure of feedback shift register for generating PN sequence?	2	K6	9
	b).	Briefly explain the significance of Virtual private networks?	4	K6	6
		UNIT-III			
5.	a).	Explain abt MAC sub layer and its addressing mechanism?	4	K5	8
	b).	Write short notes on frequency reuse and channel assignment strategies of cellular networks?	2	K2	7
		OR			
6.	a).	Explain the fr general techniques to improve quality of service?	3	K2	9
	b).	Compare IPv4 and IPv6?	2	K2	6
		UNIT-IV			
7.	a).	Explain DSSS system with neat block diagram?	3	K2	8
	b).	Explain abt Interconnection networks and their properties?	5	K2	7
		OR			
8.		With neat sketches explain abt Bluetooth architecture and its layers?	5	K2	14
		UNIT-V			
9.	a).	Consider a wired point-to-point network. List some performance measures.	4	K1	8
	b).	Explain abt GSM and GPRS	4	K2	7
		OR			
10.	a).	Explain the principle, advantages and applications of CDMA.	3		8
	b).	What are the demerits of CDMA? Explain.	3		7

CO-CRSE TCOME

KL-KNOWLEDGE LEVEL

M-MARKS