BT-6/M-24

COMPUTER NETWORKS Paper-PC-CS-304A

Time: Three Hours] [Maximum Marks: 75

Note: Attempt any five questions selecting at least one from each unit.

UNIT-I

1. (a) What are the basis on which LAN, MAN and WAN are distinguished? (6)

(b) What are differences between circuit switching and packet switching? (9)

(a) What are the characteristics of various transmission media? Explain. (9)

(b) Discuss various layers of OSI-Reference Model.

(6)

UNIT-II

3. (a) What is framing? Why is it important? Explain any two framing techniques. (9)

(b) Explain reservation and polling schemes for medium access. (6)

4. (a) Explain how token ring system works? Which is the IEEE standard for it? Discuss token management.

(9)

	(b)	Give the working of HDLC protocol. Draw Hall	1120
		structure also of HDLC.	(6)
UNIT-III			
	(a)	Explain the functioning of IEEE 802.3 proto	col.
	()		(9)
	(b)	Describe the working of distance vector rou	ting
	(-)	algorithms. What are the challenges in this proto	
			(6)
	(a)	Describe internet addressing in IP and subnet	ting
	` '	with suitable examples.	(9)
	(b)	Draw the IPv6 header and explain various fi	elds
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	present.	(6)
		S Probability of the second of	
		UNIT-IV	
/	(a)	Discuss difference between UDP and TCP.	(6)
	(b)	Explain the working of digital signatures	in
		cryptography.	(9)
		sansaria de la Colonia de Colonia	
	(a)	Explain the congestion control algorithm of	TCP.
	(-7		(9)
	(b)	Describe the RPC protocol working.	(6)
	(5)	Describe me id a protocol working.	

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6.

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