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Total Pages: 2

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BT-6/M-24

COMPUTER NETWORKS Paper-PC-CS-304A

algorithms. What are the challenges in this proposed.

Time: Three Hours] [Maximum Marks: 75

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

(a) Describe internal—TINU sing in IP and submetting

- (a) What are the basis on which LAN, MAN and WAN are distinguished? (6)
 - What are differences between circuit switching and (9) packet switching?
- (a) What are the characteristics of various transmission 2. media? Explain.

The House of the concept weed UDP and UCP

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

(6)

(a) Explain the congestion control algorithm of UNIT-II

- What is framing? Why is it important? Explain any 3. (a) two framing techniques. (9)
 - Explain reservation and polling schemes for medium (b) (6)access.
- Explain how token ring system works? Which is the 4. (a) IEEE standard for it? Discuss token management.

(9)

99	461	structure also of HDLC. (6)
		UNIT-III
5.	(a)	Explain the functioning of IEEE 802.3 protocol (9)
75	(b)	Describe the working of distance vector routing algorithms. What are the challenges in this protocol
6.	(a)	Describe internet addressing in IP and subnetting with suitable examples. (9)
(A) (d) bus	(b)	Draw the IPv6 header and explain various fields present. (6)
(R)		UNIT-IV
7.	(a)	Discuss difference between UDP and TCP. (6)
(9) (5)	(b)	Explain the working of digital signatures in cryptography. (9)
8.	(a)	Explain the congestion control algorithm of TCP (9)
(0)	(b)	Describe the RPC protocol working. (6)
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(b) Give the working of HDLC protocol. Draw framing

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REER standard for it? Discuss token management.