USN					

c. Discuss the name addresses resolution.

10EC/TE71

(06 Marks)

Seventh Semester B.E. Degree Examination, Feb./Mar. 2022 Computer Communication Networks

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

No	te: A	Answer any FIVE full questions, selecting at least IWO questions from e	acn pari.
		PART – A	
1	a.	Discuss the functions of following layers of OSI model with relevant diagrams:	
		i) Physical layer	
		ii) Date link layer	
		iii) Transport layer	(12 Mowles)
		iv) Application layer.	(12 Marks)
	b.	Explain the cable TV networks for data transfer.	(08 Marks)
•	_	Discuss the sliding window concept of GO-BACK-N ARQ with relevant diagram	16
2	a.	Discuss the shalling window concept of GO-BACK-IV ARQ with relevant diagram	(10 Marks)
	b.	Explain the two approaches of variable size framing.	(10 Marks)
	υ.	Explain the type approximate to	
3	a.	Explain the operation and vulnerable time of pure ALOHA networks.	(08 Marks)
3	a. b.	Discuss three persistence methods of CSMA.	(06 Marks)
	c.	Discuss the concept token parsing.	(06 Marks)
	٥.	Disouss are contest to the property of the pro	
4	a.	Explain the four common implementation of standard Ethernet.	(08 Marks)
	b.	Discuss two kinds of services of IEEE 802.11 standard.	(06 Marks)
	c.	Explain the frame of 802.3 MAC frame.	(06 Marks)
		PART – B	
5	a.	Discuss Bus backbone and star back bone networks.	(06 Marks)
	b.	Explain the concept of virtual LANs.	(06 Marks)
	c.	Discuss spanning tree formation with relevant diagrams.	(08 Marks)
		CIDYA A 11	(00 Mandas)
6	a.	Explain the class full addressing of IPV4 Addresses.	(08 Marks)
	b.,	Discuss the network addresses and its hierarchy levels.	(06 Marks) (06 Marks)
	C.	Explain the advantages of IPV6 over IPV4.	(00 Marks)
-		Explain the types of routing tables and common fields in a routing table.	(08 Marks)
7	a.	What is a distance vector routing? Discuss three different techniques of dis	
	b.		(12 Marks)
		routing.	(12 1.141113)
8	a.	Discuss the user datatgram format.	(06 Marks)
O	b.	Explain the TCP segment format.	(08 Marks)
	υ.	Displant in the transfer of th	(O(M1-a)

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.