

2

3

5

Model?

b) Explain HDLC protocol?

wait protocol?

MARRI LAXMAN REDDY **UTE OF TECHNOLOGY AND MANAGEMENT**

(AN AUTONOMOUS INSTITUTION)
(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad) Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section2(f) & 12(B)of the UGC act, 1956

II B.Tech I Sem Supply End Examination, July-2022 **Computer Networks** (CSC)

Time: 3 Hours. Max. Marks: 70

Note: 1. Question paper consists: Part-A and Part-B.

- 2. In Part A, answer all questions which carries 20 marks.
- 3. In Part B, answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART-A

CO1

CO2

CO₂

CO₂

BL4

BL1

BL4

BL4

10M

5M

5M

10M

		(10*2	Marks =	Marks = 20 Marks)				
1.	a)	Enumerate the differences between point-to-point and multipoint network connections?	2M	CO1	BL1			
	b)	List the layers of the Internet model?	2M	CO1	BL1			
	c)	What is Hamming distance?	2M	CO2	BL1			
	d)	What is IEEE 802.11?	2M	CO2	BL1			
	e)	What is an IP address?	2M	CO3	BL1			
	f)	What is the need of network of translation (NAT)?	2M	CO3	BL1			
	g)	How is congestion controlled at transport layer?	2M	CO4	BL1			
	h)	Discuss the purpose of using TCP sliding window?	2M	CO4	BL2			
	i)	How does DNS used in Internet?	2M	CO5	BL1			
	j)	What is HTTP?	2M	CO5	BL1			
		PART- B						
		(10*5 N	Marks = 50 Marks)					
	a)	List and explain the different types of network topologies?	5M	CO1	BL4			
	b)	Explain the need of layering for network architecture models?	5M	CO1	BL4			
		OR						
		In detail explain about the layers and their services of OSI Network	10M	CO1	BL4			

OR

What is the use of redundancy in error detection and correction

With respect to data link layer, explain the operation of stop-and-

6	a)	What are the strategies of transition from IPv4 to IPv6? Explain?	5M	CO3	BL4
	b)	Explain the working of ICMP protocol?	5M	CO3	BL4
		OR			
7		With an example network, explain the Link State routing algorithm?	10M	CO3	BL4
8	a)	Explain the differences between TCP and UDP?	5M	CO4	BL4
	b)	Explain QoS in Switched Networks?	5M	CO4	BL4
		OR			
9		Explain the features, services and operation of TCP?	10M	CO4	BL4
10	a)	Explain the operation of file transfer protocol (FTP)?	5M	CO5	BL4
	b)	Write short notes on WWW?	5M	CO5	BL1
		OR			
11		Describe the working of simple mail transfer protocol (SMTP)?	10M	CO5	BL2

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