R16

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B.Tech III Year I Semester Supplementary Examinations November-2020 COMPUTER NETWORKS

(Computer Science & Information Technology)

		(Computer Science & Information Technology)	
Time: 3 hours			k. Marks: 60
		(Answer all Five Units $5 \times 12 = 60$ Marks) UNIT-I	
1	a		6M
	b	Discuss various types of networks topologies in computer network.	6M
		OR	
2	a	Write about network software & hardware.	6 M
	b	Compare Connection oriented and connectionless service.	6 M
		UNIT-II	
3	Ex	plain the operation of the bit-oriented protocol HDLC with the required frames	s. 12M
		OR	
4		Explain MAC sub layer protocol and frame structure of IEEE 802.11.	6 M
	b	Discuss about data link layer design issues.	6M
		UNIT-III	
5	a	Discuss about leaky bucket algorithm with a neat diagram.	6 M
	b	Explain the function of ARP & RARP.	6M
		OR	
6		Discuss about Inter-network Routing.	6 M
	b	Write short notes on Internet protocols.	6M
		UNIT-IV	
. 7		Explain the mechanism of three way handshake protocol for TCP.	7M
	b	Discuss functionalities of Transport Layer.	5 M
		OR	
8	_	Explain the operation of TCP with neat sketch.	8M
	b	List out the differences between TCP and UDP.	4M
		UNIT-V	
9	a	Explain in detail about function, structure of E-mail.	8M
	b	Write short notes on IMAP and MIME.	4M
. 40		OR	/A =
10		Explain the encryption and decryption methods. Write briefly about World wide web	6M
	b	Write briefly about World wide web.	6M