	(Pages: 2)	A - 2769
Reg. No. :		
Name :	15.15.9 The Walter State of the Company	iling or to a
VI Semester	B.Tech. Degree Examination (2013 Scheme)	, May 2016
13.60	4 : COMPUTER NETWORKS	(FR) SATUTE OF TEC.
Time: 3 Hours		Max Marks 100
	PART-A	TRIVENO SOUT
Answer all questions	TAIL -A	S WOO KANNARMINO
	n-oriented and connectionless servi	ces of the layers in the
2. Explain how a bridge is	used in connecting different LANs.	
 3. Find the class of each a a) 00000001 00001011 b) 11000001 10000011 c) 14.23.120.8 d) 252.5.15.111 e) 205.16.37.32 	00001011 11101111	
4. What is the functionality	of ARP? Explain with an example.	# ST
	for full implementation of voice over hone network very soon ?	r IP ? Do you think we (5×4=20 Marks)
	PART-B	
Answer one full question f	rom each Module.	, a
	Module – I	
I. a) Explain how multiple size.	e processor systems are classified b	pased on their physical
b) Describe the function OR	ons of transport layer in a computer i	network. 10
II. a) Compare and contra	ast the Go-Back-NARQ Protocol with	Selective-RepeatARQ. 10
	checksum. Write the algorithm for carame 1101011011 and the generate	The state of the s

Module - II

12 III. a) Describe about the Ethernet standards 802.3, 802.4, 802.5. b) If an Ethernet destination address is 07:01:02:03:04:05, what is the type of the address (unicast, multicast or broadcast)? Explain your answer. 8 2013 Schemel BOWTER NETWORK IV. a) Explain the drawbacks of distance vector routing. Discuss about the algorithm 12 which overcomes those drawbacks. 8 b) Illustrate the working of Packet routing in mobile hosts. Module - III V. a) Describe the general principles of congestion control and state how the token 12 bucket algorithm improves QoS. 8 b) Explain how internetworking is achieved through tunneling. OR VI. A host with IP address 130.23.43.20 and physical address B2:34:55:10:22:10 has a packet to send to another host with IP address 130.23.43.25 and physical address A4:6E:F4:59:83:AB (which is unknown to the first host). The two hosts are on the same Ethernet network. Show the ARP request and reply packets encapsulated in 20 Ethernet frames. Module - IV over in the protest we 10 VII. a) Explain the operations and uses of UDP. 10 b) Describe how name servers are managed in DNS. OR VIII. a) Illustrate with state diagrams the establishment of transport layer connection 10 using TCP. b) Describe the SIP standards for setting up internet telephone calls and video 10 conferences.

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