Paper / Subject Code: 37003 / COMPUTER COMMUNICATION AND TELECOM NETWORKS

Wednesday, May 22, 2019 02:30 pm - 05:30 pm 1T01016 - T.E.(ELECTRONICS & TELE-COMMN.)(Sem VI) (CBSGS) / 37003 - COMPUTER COMMUNICATION AND TELECOM NETWORKS 69262

	Duration: 3 hours	Max marks: 80
Note	the following instructions.	
	i) Question No.1 is compulsory (attempt any 4)	
	ii) Total 4 questions need to be solved	
	iii) Attempt any three questions from remaining five	e questions.
1.a	What is the difference between unicast and Multicast re	outing? [5]
1.b	What are the types of timers used in TCP, Explain?	
1.c	A company is granted the site address 201.70.64.0(Class	7, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12
	needs six subnets .Design the subnets.	
1.d	Explain Shortest path algorithm with suitable diagram.	[5]
1.e	Explain the difference between a connection oriented a	
	service.	
2.a	Explain Various network hardware devices in detail.	[10]
2.b	i. What is distance vector routing and link state ro	(2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
	ii. Explain exterior and interior routing.	
3.a	What are different types of ARQ? Explain GO BACK	N ARQ [10]
3.a 3.b	(y, v), (y, v)	X '0 , V X .
3.0	What is HDLC? What are HDLC frame types, Explain details.	modes of operation in [10]
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4.a	Draw and explain TCP Header format.	[10]
4.b	Explain TCP congestion control policy.	[10]
5.a	What is carrier sensing? Explain CSMA/CD and CSMA	A/CA in detail. [10]
5.b	What is ALOHA? What are the types of ALOHA? Co	
6	Write a short notes (any two):	[20]
	a. ISO-OSI network model	
	b. Transmission Media	
	c. DNS	
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