DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Winter Examinations 2023

Course: B. Tech. Branch: Computer Science & Engineering Semester: VI

	Course: b. Tech. Branch: Com	puter Science o	x Engineering	Semester: v1	
	Subject Code & Name: Compute	er Network (BT	COC602)		
	Max Marks: 60 D	ate:	Duration: 3	Hr.	
	Instructions to the Students: 1. All Questions are Compul. 2. Draw neat diagram where 3. Figures to right indicates of the state of th	ever necessary. full marks	and mention it clearly	(Level/CO)	Marks
Q. 1	Solve Any Two of the following.				
A)	Describe social issues with compute	Describe social issues with computer network?		(Understand)	06
B)	Give comparison between OSI reference model and TCP/IP model?		(Understand)	06	
C)	Compare connectionless and connection oriented protocol?			(Understand)	06
Q.2	Solve Any Two of the following.				
A)	Discuss Wi-MAX (802.16) and Blue in real life?	,			06
B)	Compare token ring and FDDI with			(Understand)	06
C)	Describe in brief 802.11 architecture	e and protocol st	ack?	(Understand)	06
Q. 3	Solve Any Two of the following.				
A)	Illustrate byte count and bit stuffing	framing method	1?	(Apply)	06
B)	A (7,4) hamming code is received as 1110000. Determine the correct code when even parity is considered.?		(Apply)	06	
C)	Justify how CRC is a stronger kind of error-detecting code. msg – 1 1 0 1 1 0 1 0 0 0 0 gen- 1 0 1 0 1 , Calculate CRC for the given data input?			(Analyze)	06
Q.4	Solve Any Two of the following.				
A)	Compare IPv4 and IPv6 address form	mats?		(Understand)	06
B)	Describe the following congestion example.		chanisms with suital	ole (Understand)	06
C)	1. Traffic Throttling 2. Load Shedding Illustrate with example leaky bucket and token bucket algorithms for traffic shaping?		c (Understand)	06	
Q. 5	Solve Any Two of the following.				
A)	Describe five tuple DNS record with	n an example?		(Understand)	06
B)	Compare SMTP and POP Protocols	?		(Understand)	06

C) Illustrate the network security essentials Confidentiality, Authentication, Non repudiation and Integrity control for considering the E-commerce website?

*** End ***

(Apply) 06