Q.P. Code: 12452

			(3Hours)	[Total Marks:	80
		` /	Question No.1 is compulsory. Attempt any 3 questions out of remaining questions.		
		(3)) Total 4 questions need to be solved.		
(1	<u>(</u> c	Consider	collision detection procedure in CSMA/CD. r a message 11010011101100, divisor 1011. Compute n bite circuit switched and pachet switched networks.	t binary CR.C.	55
1	1000 1000	98. - 1	tiate between connection oriented and connectionless ser	vices.	5
2. (a	a)		e the three main functions performed by network layer? We distance vector counting.	hat is routing.	10
(1	b)		IP address? Why it is required? What is subnet masking and supernetting with Explain.	? Explain is	10
3. (a)	Explain	TCP conquestion control.		10
۱ ب	0.00	100 - 100	connection establishment and termination in TCP with ne	at diagram.	10
4. (:	a)	Explain	HDLC protocol with sutiable diagram.		10
			TCP sliding window with neat diagram in detail.		10
5. (a)	Explain	TCP timer management and transaction TCP.		10
(b)	A IP hea	ader from an IP packet received at destination		10
			3c1c4640004006b1e6ac100a63ac100a0c. Map these value	es to IP header	
		and exp	lain all bits.		
6. V	Vr	ite short n	ote (any four) :		20
		(i) N	letwork topology		
		(ii)	SSM operation subsystem (OSS)		
			ink state routing		
			raming at data link layes.		
			letworking using windows and LINUX operating system		
		(vi) S	tatic channel allocation of LAN & MAN.		