

		[Tin	ne: 3 Hours] [Total marks:	[Total marks: 80]	
	N	V.B. ((1)	Question 1 is compulsory.		
			(2)	Attempt any three from remaining five questions.		
1.	(a)	Expla	in c	lifferent types of transmission impairments.	10	
	(b)	Expla	in I	HTTP and SMTP protocols in application layer.	10	
2.	(a) Explain four way handshaking for TCP connection terminal			our way handshaking for TCP connection termination.	10	
	(b) Diff		erentiate between		10	
	i) RIP and OSPF ii) ARP and RARP				THE STATE OF THE S	
3.	(a)	Explain the terms: Intranet, Internet and Extranet				
	(b) Given the Class C network 192.168.10.0 uses the subnet mask 255.255.2 create subnets, on this basis answer the following:				.192 to 10	
		i) ii) iii		How many subnets are created? How many hosts per subnet? Design the address allocation of each subnet.		
4.	(a)	What is topology? What are different types of topologies? List the advantages and disadvantages of each type.			10	
	(b)	Calculate the CRC for the following bit stream 1101011011 using divisor 10011 arwrite codeword			10	
5.	(a)	What are the different types of transmission media? Explain types of various types of unguided media?			10	
	(b)) What is interdomain routing? Explain BGP routing protocol in detail.			10	
6.	20	Write	sho	ort notes on any FOUR.	20	
			S C O	omain Name System ource Routing Bridge ode Division Multiple Access optimality Principle synchronous Transfer Mode		
		2000	25			