SYCS/SEM IV/REG/CN

Time	e: 2½ hrs.	KS: / 3
Note	All questions are compulsory with internal choice.	
	Draw neat diagrams wherever necessary.	
	3. Figures to the right indicate full marks.	
Q.1	Answer the following (any four)	(20)
Q.I	(a) Explain the characteristics of the Data Communication System.	(/
	(b) List the components of data communication. Explain Simple Duplex.	
	(c) Write a short note on Multipoint Connection.	
	(d) List the different Network Topology? Explain Ring topology.	
	(e) Explain MAN in detail with examples.	
	(f) Which are 4 different types of addressing?	
0.3	A manuar that following (any four)	(20)
Q.2	Answer the following (any four) (a) What is the classification of line codes?	(20)
	(b) Write a short note on Sampling.	
	(c) List the transmission modes. Explain Parallel Transmission.	
	(d) Comparison between Coaxial cable and Twisted pair cable.	
	(e) Explain unicast and multicast types of addresses.	
	(f) What is switching? Which are the three methods of switching?	
	(i) This is different and the same and the s	
Q.3	Answer the following (any four)	(20)
	(a) Write a short note on transmission impairments	
	(b) Explain the switching concept?	
	(c) Explain classful addressing.	
	(d) Explain error classification?	
	(e) Explain static algorithms.	
	(f) Comparison between IPv4 and IPv6.	
Q.4	Answer the following (any Five)	(15)
Ų.¥	(a) Explain node and multicast.	(/
	(b) What are the different ways to represent the Data?	
	(c) Explain Periodic & Non Periodic Signals	
	(d) Explain Source Node and Destination Node. How many bits are used for Host and	
	Destination in Class C?	
	(e) Write the full form and one feature of each I) RIPv2 2) OSI 3) TCP/IP.	
	(f) What is Data & Information?	
	X	