BELETRY/ WIT (Rev)

Communication Netwonks

1st Half-13-Mina - (d)-4

Con	8964-13.	
Con.	0Y04-13.	

(REVISED COURSE)

GS-5743

		(3 Hours)	[Total Marks: 100
		 Question No. 1 is compulsory. Attempt any four questions from remaining six questions. Assume suitable data if necessary. 	
1.	(a) (b) (c) (d)	any four:— Give reasons for using layered protocols? Explain how microwave communication work. Explain various LAN Topologies. What is sliding window protocol? Where it is applicable? Explain general principles of congestion control.	20
2.	(b) Con	lain circuit switching, packet switching and message switching appare the performance characteristics of co-axial, twisted pair smission media.	
3.		lain in detail O.S.I. model. at is DSL technology? Explain various DSL technologies an	10 ad compare. 10
4.	SON	w the block diagram of SONET and explain its operation. NET frames. e and explain various frame types in HDLC.	Also explain 10 10
5.	in de	at is ethernet? Explain fast ethernet specifications. Also expletail. at are the different types of routing? Explain link state routi	
6.	(i	lain the following network connecting devices:— (i) Switches (iv) hub (ii) Routers (v) Bridge. iii) Gate way lain different ARQ techniques.	10
7.	(a) (b)	the following:— TCP-IP Model Leased Line Concept ISDN Inv4	5 5 5 5