(Contd.)

M.C.M. (Part—I) Semester—I Examination BUSINESS DATA COMMUNICATION—I Paper—1 MCM 4

lir	ne-	Three Hours] [Maximum Marks	80
No	te :-	—(1) Due credit will be given to neatness adequate dimensions.	and
		(2) Assume suitable data wherever necess	sary.
		(3) Illustrate your answers wherever nece	ssary
		with the help of neat sketches.	
1.	(a)	Explain various types of switching method	s.
		morning with an mergaligit (8)	8
	(b)	Describe future trends in communication networking.	and 8
		OR	,
2.	(a)	What are the different types of components data communication?	
	(b)		8
3.	(a)		6
	(b)	What are the advantages and disadvantage optical fiber as a transmission medium ?	s of
	(c)		4
		OR	
UBS	-501	145	

4.	(a)	What is meant by protocol convertors?	6
	(b)		6
	(c)	Discuss the various flow of direction of data flo	ow. 4
5.	(a)	Describe the various layers of OSI model.	8
Total	(b)	topology ? Exp	lain 8
		OR	
6.	(a)	Explain the following term:	
		(i) Asynchronous Transmission	
		(ii) Synchronous Transmission.	8
	(b)	MAC mestagole	8
7.	Ex	plain the following terms:	
	(i)	Network cables and hubs	
	(ii) Network interface cards	
	(ii	ii) MAC	
	(i	v) Peer-to-peer networks.	16
		OR	
8	3. (8	warious popular N/W operating system? Exvarious popular N/W operating system.	plain 8
	(b) How does the token ring LAN operate?	8
	UBS-		Contd.)

9.	(a)	Explain the following term:
		(i) Ring architecture
		(ii) Mesh architecture
		(iii) Star architecture.
	(b)	Describe the basic architecture of packet-switched
		networks. 7
		OR
10.	(a)	Describe Virtual Private Networks (VPN)
		according to MAN.
	(b)	Explain Reducing Network Demand and SONET.
		6
	(c)	Discuss BRI and PRI. 4

9.