M.C.M. (Part—II) Semester—III Examination BUSINESS DATA COMMUNICATION—II Paper—3 MCM 4

Tim	e—7	Three Hours] [Maximum Marks—	-80
Not	e :-	 (1) Due credit will be given to neatness a adequate dimensions. 	and
		(2) Assume suitable data wherever necessar	ry.
		(3) Draw diagrams wherever necessary.	
1.	(a)	Discuss in detail IP header.	6
	(b)	Describe ARP packet format.	4
	(c)	Explain in detail TCP/IP protocol suite.	6
		OR	
2.	(a)	Explain SLIP and IEEE802 Ethernet.	8
	(b)	Explain OSI reference model in detail.	8
3.	(a)	What do you mean by Daemon ? Explain Dynar	nic
		routing.	6
	(b)	Explain in detail ICMP message types.	6
	(c)	Explain OSPF in detail.	4
		OR	
4.	(a)	Describe the architecture of ICMP protocol.	6
	(b)	Describe various contents of routing table.	4
2	(c)	Explain PING program in detail.	6
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5.	(a)	Give the IGMP message format.	4
	(b)	Describe the following:	
		(i) Joining the multicast group	
		(ii) IGMP reports and queries	
		(iii) Time-to-Live field.	6
	(c)	Discuss in detail DNS message format.	6
		OR	
6.	(a)	Explain broadcasting with its limitations.	6
	(b)	Explain:	
		(i) UDP header	
		(ii) Hierarchical structure of DNS.	10
7.	(a)	Explain in detail TCP connection establishmand termination protocol.	nent
	(b)	What do you mean by delayed acknowledgmen	ts?
	3.5		4
	(c)	Explain the PUSH flag.	4
		OR	
8.	(a)	Explain BOOTP protocol with BOOTP se design.	rver 10
	(b)	Explain the concept of TCP bulk data flow.	6
9.	(a)	What is meant by SMTP protocol ? Explain	1. 6
	(b)	Explain types of messages that are exchan between manager and agent in SNMP.	ged 6
	(c)	Describe the need of Finger protocol.	4
		many The Old to an OR that refractive set (a)	
10.	(a)	Discuss in detail FTP.	8
	(b)	Discuss in detail NFS.	8
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