	Duration - 3 flours							N	larks
		١	Instructions to candidates						
	 Q.No. 1 is compulsory. Solve any 3 questions from the remaining 5 questions. Figures on the right side indicate full marks. Make suitable assumptions where required. 							,	*
	Answer any four. a) Explain the various categories of networks. b) Give any four functions of Data Link Layer. c) What are GEO, MEO and LEO satellites? d) How does Token Ring work? e) Explain the concept of Pseudoheader used in UDP.								05 05 05 05 05 05
	Q. No 2	Compare Circuit Switching, 1 advice							
	Q.No 3	No 3 a) What is Traffic shaping? Explain "Leaky bucket" technique of traffic shaping.							10 10
	Q.No.4 a) Five equal-size datagrams belonging to the same message leave for the destination. Table a start another. However, they travel through different paths as shown in Table.								10
			00	Datagram	Path Length	Visi	et. S		
				1	3200Km		1.3.5	-	-
			*	2	11.700 Km		1.2.5	4	
				3	12.200 Km		1.2.3.5	_	
1				4	10.200 Km	The second of the second secon	1.4.5	-	
					10 700 Km		1.4.3.5		
We assume that the delay for each switch (including waiting and processing) is 3, 10, 20, 7, and 20 ms respectively. Assuming that the propagation speed is 2 x 108 m/s, 20, 7 and 20 ms respectively at the destination and the delay for each. Ignore								10	
	by Explain the various implementations of observe								10
	? Q.No.5	TOD coment header format and explain each field in brief.							10
	Q.No.6	1	a) CSMA/Ca b) PPP fran c) Three W	ort notes on a A. ne format. ay Handshakes ide Web.			· 4		- 05 05 05 05 05 05