Seat No.:	Enrolment No.
Deat 110	Linoinent 100.

GUJARAT TECHNOLOGICAL UNIVERSITY M.E. 1st SEMESTER EYAMINATION HILV 2012

		M.E -I SEMESTER-EXAMINATION - JULY-2012		
Subject code: 710309N			Date: 11/07/2012	
Subj	ect N	Vame: Industrial Data Communication		
~			Iarks: 70	
Instr	ucti	ons:		
		empt all questions.		
		ke suitable assumptions wherever necessary.		
		ures to the right indicate full marks.		
Q.1	(a)	Explain service primitives for connection oriented networks for clien server process.	t 07	
	(b)	Explain in brief about twisted pair cable for transmission of signal.	07	
Q.2	(a)	Write short note on Ethernet cabling.	07	
	(b)	Write a short note on 802.11 Protocol Stack. OR	07	
	(b)	Explain Wavelength division multiplexing.	07	
	(,-)			
Q.3		Explain CDMA technique in detail.	14	
		OR		
Q.3		Explain GSM system for mobile communication in detail.	14	
Q.4		With the help of schematic diagram, explain the difference, advantage and disadvantages of Go back N and selective repeat protocol. OR	s 14	
Q.4		Explain Petri-net model with the help of an example.	14	
Q.5	(a)	Explain Distance Vector Routing.	07	
	(b)	Explain Hierarchical Routing.	07	
		OR		
Q.5	(a)	Explain Link State Routing in detail.	07	
	(b)	Explain Leaky Bucket algorithm.	07	
