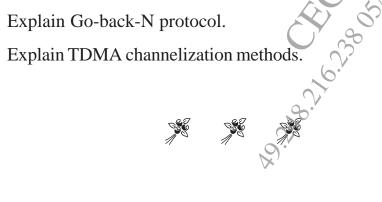
Total No. of Questions : 4]		of Questions : 4]	
PC53		[6360]-54 [Total No. of Pag	es :1
		T.E. (E & TC) (Insem)	
		COMPUTER NETWORKS	
		(2019 Pattern) (Semester- I) (Elective - I) (304185D)	1
		(202) 2 4400 (00 12002)	•
Time	:11	Hour] [Max. Marks	s:30
Instr	uctio	ons to the candidates:	
	<i>1</i>)	Answer questions Q1 or Q2, Q3 or Q4.	
	<i>2</i>)	Neat diagrams must be drawn wherever necessary.	
	<i>3</i>)	Figures to the right indicate full marks.	
	<i>4</i>)	Assume switable data if necessary.	
Q 1)	a)	Draw and explain OSI reference model with functions of its layers.	[6]
	b)	Explain different types of network topologies.	[5]
	c)	Explain design issues for layers.	[4]
	C)		[+]
		OR O	
Q 2)	a)	Draw TCP/IP reference model and explain the functions of each layers	s. [6]
	b)	Draw and explain local area network and wide area network.	[5]
	c)	Explain different types of addressing in TCP/IP reference model.	[4]
	ĺ		
		S. S	5
<i>Q3</i>)	a)	Explain bit stuffing and character stuffing framing method in DLD.	[5]
	b)	Explain 1-persistent and non-persistent CSMA protocol.	[5]
	c)	Explain reservation and polling methods of controlled access protoco	1.[5]
	<	OR OF ST	
Q4)	a)	Explain CSMA/CD protocol in detail.	[5]
	b)	Explain Go-back-N protocol.	[5]



[5]