P.E. Comp. V. 221' Computer Neturna

		Feb13-3-38 7 3-13.	GS-89	997
		(3 Hours)	[Total Marks:	80
N.J	(2)	Question No. 1 is compulsory. Attempt any four questions out of remaining six questions. Assume suitable data wherever required.		
1.	(a) \	What is the need for layering? Discuss the design issues for lay	ers.	10
		Explain the ALOHA protocol. Compare the performance of Pure Aloha at low load and high load.	loha v/s Slatted	10
2.		Explain different framing methods. What are the advantages at rames over fixed length frames?	variable length	10
	(b) F	Explain: FDMA, TDMA and CDMA.		10
3.	(a) E	Explain sliding windows protocol with selective repeat.		10
	(b) E	Explain with the suitable example CRC algorithm for computing	checksum.	10
4.	(a) V	What are transport service primitive?		10
	(b) F	Iow TCP controls the congestion, explain in detail.		10
5.	(a) I	Differentiate between the following:— (i) Protocol and Interface (ii) Connectionless and connection oriented service.		10
	(b) V	What are different types of routing? Explain any one in detail.		10
6.	(a) E	Explain the different factors associated with quality of service in	inter network.	10
	(b) D	Describe the IPV4 header format in detail.		10
7.	Write	short notes on (any four):-		20
	(2	a) SONET		
	(1	b) Layer 2 v/s Layer 3 switching		
	(e) Bluetooth		
	(d) CIDR		
	(6	e) Berkely Socket.		