TE (comp) VI Per. 29/5/13 Advance Computer N/W.

AGJ 1st half (f+) 4

Con. 9	/23-13.	GS-1219
	(3 Hours)	[Total Marks: 100
	(1) Answer any five questions out of seven. (2) Each question carries equal marks.	
	Explain ATM Adaptation layer giving details of different classes of Explain X·25 protocol stack, detailing operation of X·25/3 (Network)	
	What are the advantages of MPLS compared to IP over ATM? Explain using level stacking. Explain SNMP MIB structure by giving example. Also explain of messages exchanged.	
	Explain how reservation in the Intserv model is carried out using RSV are different RSVP messages sent? Explain the operating principle of DWDM technology.	P protocol. What 10
4. (a)	What are the requirements of a Backbone Network Design? What is the role of subnet mask in classless as well as classbase IP with the help of examples.	10
` ,	How traffic characteristics affect the network design while doing ca Explain why unicasting routing protocols are not used for multicast one multicasting routing protocol in detail.	
	Write a connection oriented socket program for client server communication. C++ or Java. Compare and contrast IP V4 with IPV6.	nication in either 10 10
7. Sho	rt note on any four :- (a) H. 323 (b) SONET/SDH (c) M/M/1 Queuing theory (d) BGP (d) B-ISDN reference model.	. 20