

QP Code: 15153

(3 Hours)	[Total Marks: 100

N.I	В.	 (1) Solve any five questions out of seven questions. (2) Question No. 1 is compulsory. (3) Assumptions if any, must be clearly stated. 	
		What is subneting. Explain with the help of suitable example using CIDR notations. Explain the following internetworking devices:— (i) HUB (ii) L2 Switch (iii) Router (iv) Gateway.	
2.	(a)	What is MPLS and how it gives guarantee of Q. O. S.)
		Explain the SDH/SONET Architecture with the help of diagram.	
3.	(a) (b)	Explain ATM Adaptation layers in detail. What is Intra domain and Inter domain routing. Explain any one routing protocol belonging to Intra domain routing.	
4	(0)	Explain SNMP in detail.	1
4.		Explain various topologies for backbone N/W.	
5.		Explain X-25 N/W layer functions in detail. Explain all the TCP timers. 10	
6.	IPV		
	(p)	Write a socket program for client server based communication.	_

- 7. Write short notes on any two of the following:
 - (a) DWDM
 - (b) DMZ
 - (c) X·75
 - (d) Frame Relay.

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