

Time : 3 Hrs

Marks 80

N.B

- 1 Question 1 is compulsory.
- 2 Attempt any 3 questions out of the remaining questions
- 3 Assume Suitable data.

Q1	Any 4	05
a)	Compare IPV4 and IPV6	05
b)	Compare OSPF and RIP	05
c)	Compare Interior BGP with Exterior BGP	05
d)	Compare integrated and Differentiated service	05
e)	Compare RTP with RSVP protocols	05
Q2	a) Explain the ATM architecture in detail giving the need for adaptation layer.	10
	b) Explain the SDH/SONET Frame format	10
Q3	a) Explain x.25 protocol in detail	10
	b) Explain joining and exiting group using IGMP protocol	10
Q4	a) Explain M/M/1 queuing model with Little's Formula	10
	b) Explain Design parameters for Peak, delay or latency, availability and reliability	10
Q5	a) Explain MPLS with illustration, giving details of use of Label Distribution Protocol	10
	b) Explain SNMP protocol and the MIB structure for objects	10
Q6	Any 2	20
a)	Transmission Hierarchy	
b)	Session Control Protocol H.323	
c)	LANE	
d)	X.75	
