

Q-4	Attempt all questions	(14)
(a)	Write a brief note on Signaling System #7 (SS7)architecture.	06
(b)	Explain ISDN protocol architecture in detail.	08
Q-5	Attempt all questions	(14)
(a)	Discuss the services supported by ISDN. Also discuss the basic principles on which ISDN should be based.	08
(b)	Discuss in detail any one of the shortest path algorithms.	06
Q-6	Attempt all questions	(14)
(a)	Explain different layers of Synchronous Optical Network(SONET). Also discuss regarding device-layer relationship of SONET.	07
(b)	Discuss the concept of voice over IP. Also explain H.323 protocol.	07
Q-7	Attempt all questions	(14)
(a)	Explain the MAC sublayer operation with respect to standard Ethernet.	07
(b)	Write a note on ATM LANs.	07
Q-8	Attempt all questions	(14)
(a)	Write a brief note on SONET frames.	07
(b)	Explain the Physical layer operation with respect to fast Ethernet.	07

