Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

		ME – SEMESTER III (NEW) – EXAMINATION – WINTER-2016	
Su	bject	Code: 2732302 Date:25/10/201	16
Ti	me: 02 truction 1. 2.	Attempt all questions. Make suitable assumptions wherever necessary.	70
Q.1	3. (a) (b)	Explain and compare IPv4 and IPv6. Write a short note on ARP and RARP.	07 07
Q.2	(a) (b)	Explain in detail architecture of network Write a short note on Hierarchical Routing and its issue. OR	07 07
	(b)	Explain design issue in networking.	07
Q.3	(a) (b)	Write a short note on ATM. Explain with example Next Hop Routing.	07 07
Q.3	(a) (b)	OR Write a short note on SONET and xDSL. Write a short note on Virtual Circuit Networks and Datagram Networks.	07 07
Q.4	(a) (b)	Write a short note on TCP connection establishment and termination. Compare and write a short note on Router and bridge. OR	07 07
Q.4	(a) (b)	Explain all steps for writing a Client and Server Side socket program Explain TCP segment format in detail.	07 07
Q.5	(a) (b)	Explain IDS in detail. Explain SMTP and FTP in detail. OR	07 07
Q.5	(a) (b)	Draw architecture of SMDS. Explain every component and interface of SMDS. Explain VoIP and Internetwork based Digital Library.	07 07
