Seat No.:	Enrolment No.
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

ME – SEMESTER III (NEW) – • EXAMINATION – SUMMER 2016

	•	Code: 2732302 Date:03/05/20	16
Tin	-	Name: Internetworking and Applications 230 am to 01:00 pm Total Marks: as:	70
	2.	Attempt all questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.	
Q.1	(a) (b)	What is the need of Internet addressing Schemes? Explain the scheme in short. Write short note on ARP and RARP Protocol.	07 07
Q.2	(a) (b)	Write short note on ATM. Write about a) Bridge b)Router c) Repeater d)Switch OR	07 07
	<b>(b)</b>	Explain in detail architecture of network.	07
Q.3	(a) (b)	Explain IPv4 Packet Format.  What are security issues on internet and intranet?  OR	07 07
Q.3	(a) (b)	Write a note on: a) ISDN b)Frame Relay Explain with example Next-Hop Routing.	07 07
Q.4	(a) (b)	Write a note on: a)Tunneling b)Fragmentation Differentiate Virtual circuits Networks and Datagram Networks.  OR	07 07
Q.4	(a) (b)	Write short note on Hierarchical Routing and its issues. Explain TCP segment format.	07 07
Q.5	(a) (b)	How is TCP Connection established and terminated? Explain in short Explain in brief: a) SMTP b)POP c) SNMP OR	07 07
Q.5	(a) (b)	Explain all steps for writing a Client and Server Side socket program. Write Short note on Internetworking based on digital library.	07 07

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