Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY M. E. - SEMESTER – III • EXAMINATION – WINTER 2012

Subject code: 732302 Subject Name: Internetworking and Application			
Tim	e: 10	0.30 am – 01.00 pm Total Marks: 70	
Inst	Instructions:		
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Draw and explain TCP state transition diagram.	07
	(b)	Explain the steps performed by inetd daemon.	07
Q.2	(a)	Explain TCP connection and termination steps.	07
	(b)	Write a program to implement TDP echo server. OR	07
	(b)		07
Q.3	(a) (b)	•	07 07
		OR	
Q.3	(a)	Explain address conversion functions that convert Internet addresses between ASCII strings and network byte ordered binary values.	07
	(b)	Explain socket(), accept() and fork() functions that a process calls to perform network I/O.	07
Q.4	(a)	Explain TCP client-server from client perspective.	07
	(b)	Write short note on POSIX signal handling. OR	07
Q.4 Q.4	(a) (b)		07 07
Q.5	(a) (b)		07 07

sockets? Which privileges are required for each of the operations?

Q.5

parameters.

(a) Explain syslogd daemon. How it is related with syslog function. Explain its 07

(b) What are routing sockets? Which operations are supported on routing 07