

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – III • EXAMINATION – WINTER • 2013****Subject code: 732302****Date: 28-11-2013****Subject Name: Internetworking and Application****Time: 10.30 am – 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain in brief UNIX domain socket address structure. **07**
(b) Draw and explain TCP state transition diagram. **07**
- Q.2** (a) What is the difference between select () and poll ()? **07**
(b) What is the difference between read () and recv ()? **07**
- OR**
- (b) Write a program to implement simple day time client/server. **07**
- Q.3** (a) List the fields in file inetd.conf. What steps are performed by inetd daemon? **07**
(b) Explain generic socket options. Explain any four. **07**
- OR**
- Q.3** (a) Explain syslogd daemon. How it is related with syslog functions. **07**
(b) What are routing sockets? Which operations are supported on routing sockets? **07**
- Q.4** (a) Explain the 'TIME WAIT' state. **07**
(b) Why do I get EPROTO from read () ? **07**
- OR**
- Q.4** (a) Explain with example how I use TCP_NODELAY. **07**
(b) Why does it take so long to detect the peer died? **07**
- Q.5** (a) List various I/O models under UNIX. Explain any two in detail. **07**
(b) Explain address conversion functions that convert internet address between ASCII string and network byte ordered binary values. **07**
- OR**
- Q.5** (a) What is the difference between SO_REUSEADDR and SO_REUSEPORT? **07**
(b) Explain TCP and STCP socket functions. **07**
