

Code :06MC303

M.C.A-III Semester Supplementary Examinations, January 2011
UNIX NETWORK PROGRAMMING
(For 2006, 2007 & 2008 admitted batches only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions
All questions carry equal marks

1. (a) What are file handling utilities in Unix?
(b) Explain some basic networking commands in Unix.
2. (a) What is a shell? What are the responsibilities of a shell?
(b) How do you build your own command library of programs? Give an example.
3. (a) Give at least ten standard I/O functions for Unix files.
(b) What are streams and file descriptors?
4. (a) What are reliable and unreliable signals?
(b) What is a process and what are process identifiers?
5. (a) Explain some of the locking techniques.
(b) How do you lock a file and a record?
6. (a) What is the need for the message queue?
(b) Explain about the client server architecture.
7. (a) How semaphores work in Unix environment?
(b) Explain file locking using semaphores.
8. (a) What are sockets and what is the need of the socket in communication?
(b) Give some elementary UDP socket functions.
