

Code :9F00303

MCA III Semester Regular Examinations, January 2011
LINUX PROGRAMMING
(For students admitted in 2009-2010 only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions
All questions carry equal marks

1. (a) Give brief description about Text processing utilities.
(b) Explain about sed.
2. (a) What are the different meta characters that are present in shell? Explain.
(b) Write a shell script to test whether the given string is palindrome or not.
3. (a) With a neat diagram, explain the file system structure.
(b) Describe about file descriptors.
4. (a) State the differences between fork and u fork.
(b) Discuss in detail about process attributes.
5. (a) Write short notes on unreliable signals.
(b) Discuss the following:
 - i. Raise
 - ii. Pause signals.
6. (a) Explain the IPC using FIFO's.
(b) Give brief description about the shared memory.
7. (a) Explain thread synchronization with the help of mutex.
(b) What is a light weight process? Explain.
8. Discuss in detail about the socket system calls for connectionless protocol.
