

Code :R7311503

R7**III B.Tech I Semester(R07) Supplementary Examinations, May 2011****UNIX PROGRAMMING****(Computer Science & Systems Engineering)****Time: 3 hours****Max Marks: 80**

Answer any FIVE questions
All questions carry equal marks

1. (a) Explain the different file handling utilities with examples.
(b) Explain the following commands.
 - i. telnet
 - ii. rlogin
 - iii. telnet
 - iv. ftp
2. (a) With suitable examples explain the following:
(i) tee (ii) Cut (iii) Uniq (iv) Sort
(b) Differentiate between grep, egrep and fgrep.
(c) Distinguish between cmp and command commands.
3. (a) Write a shell script to find the Fibonacci sequence of a given number.
(b) Write a C program to check whether the given string is palindrome or not.
4. (a) Explain in detail the shell meta characters.
(b) Write a short notes on here documents.
(c) Write a shell script to print multiplication table from 2 to 10.
5. (a) Differentiate between the following:
(i) putc and putchar (ii) fflush and fseek.
(b) Explain the following:
(i) ioctl (ii) dup (iii) umask (iv) symlink.
6. (a) Define a process. Draw and explain the structure of a process.
(b) Give brief description about unreliable signals.
(c) Differentiate between fork and vfork functions.
7. (a) Explain file locking in detail.
(b) Discuss in detail about the malloc function.
8. (a) Give brief description about shared memory.
(b) What are semaphores. Explain them in detail.
