Code :RR320506

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III B.Tech II Semester(RR) Supplementary Examinations, April/May 2011
ADVANCED UNIX PROGRAMMING
(Computer Science & Engineering, Information Technology, Computer Science & Systems Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks
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1. Explain the following commands with syntax

    (a) mkdir
    (b) cp
    (c) mv
    (d) rm

2. (a) How will you use pr, sort and cut to read a file's lines in reverse order?
    (b) Write short notes on backup utilities.

3. Explain in detail about the following:

    (a) File sharing
    (b) Unix file structure

4. Write in detail about the following:

    (a) Shared libraries
    (b) memory allocation

5. (a) Explain about "sending signals using system calls".
    (b) What is signal handler. Explain how to install a signal Handler.

6. (a) What is region lock? What are the rules about the specification of the region to be locked or unlocked?
    (b) Write about file locking versus Record Locking.

7. (a) Explain about the semget( ), semctl( ) and semop( ) functions.
    (b) Write about the Timing comparison of "Semaphores Vs Record locking".

8. With the syntax, Explain about the following system calls.

    (a) msgrcv,
    (b) msgtype,
    (c) msgsend and
    (d) msgget

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