Code: R7311503

R07

B.Tech III Year I Semester (R07) Supplementary Examinations, May 2013
UNIX PROGRAMMING
(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 networking commands with syntax and an example:
     (a) du   (b) df   (c) mount   (d) Umount   (e) Unmask
     (f) Pc   (g) Ulimit   (h) telnet   (i) ARP   (j) Finger.

2   (a)   What do you mean by grep command?
     (b)   Explain following commands:
           (i) tar   (ii) Pg   (iii) tr   (iv) tee.

3   (a)   Write a 'C' program which receives file names as command line arguments and display
           those filenames in ascending order according to their sides.
     (b)   Write a program to a single command-line argument that specifies a file descriptor and
           prints a description of file flags for that descriptor.

4   (a)   Difference between redirection and piping. Explain them with examples.
     (b)   Write about Bourne shell.

5   (a)   Write syntax for system calls:
           (i) Create   (ii) Read   (iii) Write   (iv) Open.
     (b)   Write a 'C' program which uses chmod, chown system calls.

6   (a)   Explain briefly what is process control.
     (b)   Write about zombie process.

7   (a)   What is region locking? Explain with example.
     (b)   How do you use read and write locking in file locking? Explain with an example.

8   (a)   What is an IPC? What are its applications?
     (b)   Write about semaphores.
     (c)   Explain about FIFO's in detail.

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