Code :R7411902

R7

IV B.Tech I Semester(R07) Supplementary Examinations, May/June 2011
UNIX PROGRAMMING
(Electronics & Computer Engineering)

Time: 3 hours
Max Marks: 80

Answer any FIVE questions
All questions carry equal marks
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1. (a) Draw and explain the architecture of Unix Operating System.

   (b) Explain the following commands
   (i) who (ii) more (iii) wc (iv) tar

2. (a) Explain with suitable example the networking commands.

   (b) Explain the following with examples
   (i) pg (ii) diff (iii) head (iv) tail

3. (a) Write a shell script to read the number of words and lines in a given file.

   (b) Explain in detail the input and output redirections.

4. (a) What the advantages of grep command. Explain various options are used with it.

   (b) Give brief description about the strem editor.

5. (a) Mention the salient features of awk.

   (b) Explain the usage of print and printf in awk.

   (c) Discuss with examples, the logical operators in awk.

6. Explain the following using the korn shell
   (i) Wild cards
   (ii) environment variables
   (iii) Aliases
   (iv) job control

7. (a) Write a C program to find the factorial of a given number.

   (b) Explain the repetition statements with example.

8. Give brief description about the following system calls.
   (a) link (b) symlink (c) stat (d) Istat

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