Code: R7411902

R07

B.Tech IV Year I Semester (R07) Supplementary Examinations, May 2013

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) Explain features of unix operating system.
   (b) Explain the following commands.
       (i) man (ii) cat   (iii) cp   (iv) echo

2. (a) Explain different types of files in unix. Explain with suitable example. How file permissions are given?
   (b) Explain the following with examples.
       (i) telnet (ii) tee (iii) head   (iv) sort.

3. (a) Write a short note on I/O redirection operators.
   (b) Explain the following commands with example.
       (i) cut and paste (ii) diff   (iii) cmp

4. (a) What is grep? Differentiate between grep, egrep and fgrep with example.
   (b) What the advantages of sed command? Explain sed with example and options.

5. (a) What is awk? Explain in brief features of awk.
   (b) Explain with example the mathematical functions in awk.

6. (a) With program explain decision making statement in Korn Shell.
   (b) Explain the following using the Korn Shell.
       (i) wild cards (ii) job control.

7. (a) Write a C program to find the factorial of a given number.
   (b) Explain the repetition statements with example using C Shell.

8. (a) Explain following system calls for file management with example.
       (i) Iseek (ii) link (iii) read   (iv) write.
   (b) Explain following system calls for directory management with example.
       (i) mkdir (ii) rmdir (iii) closedir

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