Code No: 07A70510   R07   Set No. 2

IV B.Tech I Semester Examinations,May 2011
UNIX PROGRAMMING
Electronics And Computer Engineering

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
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1. Discuss in detail about Script components in C shell   [16]

2. Discuss the following commands in detail with suitable examples?

    (a) awk

    (b) cpio

    (c) unlink

    (d) less.   [16]

3. (a) What's the difference between a wild card and a regular expression?

    (b) Explain grep, egrep, fgrep with suitable examples?   [8+8]

4. (a) Write a C code to creae a directory and copy the files from old directory to new directory using command line arguments.

    (b) Discuss directory API in UNIX.   [8+8]

5. (a) Write a shell script that add 'n' number of elements and prints the total?

    (b) Write a shell script that checks the given number odd or even? [8+8]

6. Discuss the history of UNIX flavours in detail?   [16]

7. (a) Write an AWK script for Converting Strings to Numbers.

    (b) Explain different types of redirection operators with examples in AWK.[8+8]

8. Explain how these loops executed infinitely: with an example

    (a) while loop

    (b) until loop

    (c) for-in loop.   [6+4+6]

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Code No: 07A70510　　　　　　**R07**　　　　　**Set No. 4**

IV B.Tech I Semester Examinations,May 2011
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Time: 3 hours　　　　　　　　　　　　　　　　　　　Max Marks: 80
Answer any FIVE Questions
All Questions carry equal marks
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1. What is option? List and explain some options and their usage. [16]

2. Discuss the following commands in detail with suitable examples?

    (a) tput

    (b) bc

    (c) time

    (d) spell and ispell. [16]

3. How link, symlink are used explain with an example? [16]

4. (a) Discuss the Regular Expression character sub-set briefly?

    (b) Discuss the Regular Expression character set used by egrep? [8+8]

5. (a) Explain the following echo commands in C shell

    (b) Discuss the environmental variables used in C Shell programming in detail.
        i. Eval command
        ii. Exit status. [8+8]

6. (a) Write an awk script function to find smallest and greatest of 10 integers.

    (b) Explain applications of AWK in detail. [8+8]

7. Write a shell script that displays, in head-style, the last three lines of each file in the current working directory, duly preceded by the filename? [16]

8. (a) Briefly discuss Save and Exit commands in Vi?

    (b) What are the two functions of the dot command? Discuss?

    (c) What does the U command do? When will it fail to work? [8+4+4]

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Code No: 07A70510 | **R07** | **Set No. 1**

IV B.Tech I Semester Examinations,May 2011
UNIX PROGRAMMING
Electronics And Computer Engineering

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
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1. Explain with suitable examples how sed is used in

    (a) Inserting and changing Text?
    (b) Writing files?   [8+8]

2. What are the mathematical and string functions supported by AWK list and explain?   [16]

3. Explain the grep family of commands in detail with suitable examples?   [16]

4. Discuss the Commad mode, Input mode, exMode's of vi editor in detail?   [16]

5. (a) How does chmod is useful for setting file security permissions?

    (b) Explain how we can set read, write, and execute permissions for a file? [8+8]

6. Write about debugging scripts with examples in korn shell.   [16]

7. Explain in detail about different shells those are supported by UNIX.   [16]

8. (a) Write a shell script to copy a file without overwriting?

    (b) Write a shell script to copy a Multiple files without overwriting?   [8+8]

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Code No: 07A70510　　　　　　　**R07**　　　　　　　**Set No. 3**

IV B.Tech I Semester Examinations,May 2011
UNIX PROGRAMMING
Electronics And Computer Engineering

Time: 3 hours　　　　　　　　　　　　　　　　　　　Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
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1. (a) What does the expression gg * signify?
   (b) Find out the occurrences of three consecutive and identical word characters using grep and sed?

   [6+10]

2. (a) What is a shell Script?
   (b) Explain the Significance of shell Script in UNIX Operating System?　[2+14]

3. (a) Explain the purposes of the Korn shell in detail.
   (b) Explain the Korn shell features in detail.　　　　　　　　　　[8+8]

4. Explain clearly the options to ls command with suitable examples?　　[16]

5. (a) State two reasons for not having a filename beginning with a hyphen?
   (b) can you create a file of dots , say five - ....?
   (c) How will you move from / usr / spool / lp / admins. to/ usr / spool / mail?
   　　　　　　　　　　　　　　　　　　　　　　　　　　　　　[5+5+6]

6. Explain the following related to C shell
   (a) On-off variables
   (b) Startup and shutdown scripts.　　　　　　　　　　　　　[8+8]

7. (a) Write an awk script to find the average and grade for every student.
   (b) Write an awk script to generate Pass/Fail Report based on Student marks in each subject.　　　　　　　　　　　　　　　　　　　　[8+8]

8. What are links and symbolic links in UNIX file system & explain with examples?
   　　　　　　　　　　　　　　　　　　　　　　　　　　　　　[16]

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