

Code No: 07A70510

R07**Set No. 2****IV B.Tech I Semester Examinations, November 2010****UNIX PROGRAMMING****Electronics And Computer Engineering****Time: 3 hours****Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

1. Discuss the following in C shell
 - (a) Debugging scripts
 - (b) Script examples. [8+8]
2. Discuss about Vi editor with its options with examples in detail? [16]
3. Explain the UNIX operating system architecture with a neat diagram? and discuss the functions of it. [16]
4.
 - (a) Write a shell script that finds the LCM of two numbers?
 - (b) Write a shell script that finds the greatest of three numbers? [8+8]
5. Discuss about the file structure used in UNIX & the functions associated with it. [16]
6. Discuss the following expressions with examples:
 - (a) Mathematical expressions
 - (b) File expressions. [8+8]
7. Explain Variable Typing and Comparison Expressions in AWK with examples. [16]
8. Frame regular expressions to match lines containing:
 - (a) jefferies jeffery jeffreys
 - (b) hitchel hitchin hitching
 - (c) heard herd hird
 - (d) mcgee mcghee magee. [16]

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R07**Set No. 4****IV B.Tech I Semester Examinations, November 2010****UNIX PROGRAMMING****Electronics And Computer Engineering****Time: 3 hours****Max Marks: 80**

Answer any FIVE Questions
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1. Compare and contrast
 - (a) AWK & GREP
 - (b) AWK & SED. [8+8]
2. (a) Write a C Program to reverse the file contents.
 (b) Explain the functioning of lseek function. [8+8]
3. Discuss C Shell loops in detail with suitable examples. [16]
4. Discuss the following expressions with examples in korn shell:
 - (a) Logical expressions
 - (b) File expressions. [8+8]
5. Explain in detail how the regular expressions differ from wild card characters of the grep family. [16]
6. (a) Write a shell script that finds the factorial of a given number?
 (b) Write a shell script that finds the given number is divisible by 2? [8+8]
7. (a) Name three ways of quitting “ vi ” after saving?
 (b) Explain with an example how do you move to the 100th line and then write the remaining lines to a separate file? [6+10]
8. (a) What's the difference between ls -lu and ls -lut? Write suitable examples
 (b) What are the dis-advantages of Hard links? How it can be over come?
 (c) Frame a command to locate all the .html and .java files in the System? [4+8+4]

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R07**Set No. 1****IV B.Tech I Semester Examinations, November 2010****UNIX PROGRAMMING****Electronics And Computer Engineering****Time: 3 hours****Max Marks: 80**

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1. Explain in detail about:
 - (a) Text Processing Utilities.
 - (b) Back-up Utilities. [8+8]
2. Explain in detail the features of UNIX file system structure with relevant examples? [16]
3. write a short notes on the following:
 - (a) Escaping in UNIX
 - (b) Quoting in UNIX. [8+8]
4. (a) Write a C code to create 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) Quoting Meta-Characters explain C shell in detail.
(b) Describe c shell script expressions in detail. [8+8]
6. Explain the following related to AWK:
 - (a) Implementation Limitations
 - (b) Printf Formats. [8+8]
7. Discuss the following commands used by grep with suitable examples:
 - (a) grep - c
 - (b) grep - l
 - (c) grep - n
 - (d) grep - I. [16]
8. Create a script that compiles all C source file in your home directory and create executable files. [16]

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R07**Set No. 3****IV B.Tech I Semester Examinations, November 2010****UNIX PROGRAMMING****Electronics And Computer Engineering****Time: 3 hours****Max Marks: 80**

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1. write the differences between the following commands?
 - (a) cat and ls.
 - (b) less/more and cat.
 - (c) head and tail. [5+6+5]
2. Discuss pr and od commands and its options in detail with suitable examples? [16]
3. Discuss the following related to C shell
 - (a) Mathematical expressions
 - (b) Logical Expressions. [8+8]
4.
 - (a) Write a shell script that finds total number of odd & even numbers in the given sequence of numbers
 - (b) Write a shell script that finds the average of 100 numbers? [8+8]
5.
 - (a) Explain different file access modes with examples in detail.
 - (b) List out the functions used in a file system. [8+8]
6. Explain in detail various expressions in korn shell. [16]
7. Explain how to use Regular Expressions in AWK with examples? [16]
8. Briefly explain the following filters using suitable examples:
 - (a) sed
 - (b) awk
 - (c) perl
 - (d) egrep. [16]
