

Code No: 07A3EC17

R07**Set No. 2**

II B.Tech I Semester Examinations, November 2010

UNIX AND SHELL PROGRAMMING

Common to Information Technology, Computer Science And Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. (a) What is the output statement in C shell? Explain its format.
 (b) What would be printed from the following script segment? Explain. [8+8]

```
for each i ( 12 11 10 8 7 )
  echo $i
end
```
2. What would be the effect of the following commands:
 (a) `egrep "[0-9] + [0-9] * $" file1`
 (b) `egrep "[^0-9A-Za-f] + $" file1`
 (c) `grep "[0-9].*[0-9].*[0-9].*[0-9]" file1 > file2`
 (d) `grep "^(\.\\.)(\\.\\.)\2\1" file1 > file2`
 (e) `grep 'scanf' *.c`
 (f) `sed 's/[0-9][0-9]$/&.5/' datafile`
 (g) `grep '\.pic$'`
 (h) `grep -v "rao" xyz.` [2×8=16]
3. (a) Describe interrupt and EOF characters.
 (b) What do multiuser and multitasking mean. [8+8]
4. Use a pipeline and command substitution to set the length of a line in "emp.dat" to a variable. [16]
5. (a) When will be begin pattern true? When it is false? Explain with an example.
 (b) Find the line that matches a regular expression in korn shell using grep. [8+8]
6. Differentiate grep, egrep and fgrep commands. Explain each with 3 suitable examples. [16]
7. (a) Explain the function concept with awk shell script including calling function, Returning values, comparing strings.
 (b) Explain the different string manipulations with example awk shell script. [8+8]
8. Write the syntax for the following and explain with an example:
 (a) `lseek`

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- (b) chmod
- (c) chgrp
- (d) rmdir.

[4+4+4+4]

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II B.Tech I Semester Examinations, November 2010

UNIX AND SHELL PROGRAMMING

Common to Information Technology, Computer Science And Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. Use a pipeline and command substitution to set the length of a line in "emp.dat" to a variable. [16]
2. What would be the effect of the following commands:
 - (a) `egrep "^[0-9] + [0-9] * $" file1`
 - (b) `egrep "^0[xX][0-9A-Fa-f] + $" file1`
 - (c) `grep "[0-9]. * [0-9]. * [0-9]. * [0-9]" file1 > file2`
 - (d) `grep "^\\(\\.\\)\\.\\2\\1" file1 > file2`
 - (e) `grep 'scanf ' *.c`
 - (f) `sed 's/[0-9][0-9]$/&.5/' datafile`
 - (g) `grep '\\.pic$'`
 - (h) `grep -v "rao" xyz.` [2×8=16]
3. (a) What is the output statement in C shell? Explain its format.
 (b) What would be printed from the following script segment? Explain. [8+8]

```
for each i ( 12 11 10 8 7 )
  echo $i
end
```
4. Write the syntax for the following and explain with an example:
 - (a) `lseek`
 - (b) `chmod`
 - (c) `chgrp`
 - (d) `rmdir.` [4+4+4+4]
5. Differentiate `grep`, `egrep` and `fgrep` commands. Explain each with 3 suitable examples. [16]
6. (a) Explain the function concept with `awk` shell script including calling function, Returning values, comparing strings.
 (b) Explain the different string manipulations with example `awk` shell script. [8+8]
7. (a) When will be begin pattern true? When it is false? Explain with an example.
 (b) Find the line that matches a regular expression in `korn` shell using `grep`. [8+8]

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8. (a) Describe interrupt and EOF characters.
(b) What do multiuser and multitasking mean.

[8+8]

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R07**Set No. 1**

II B.Tech I Semester Examinations, November 2010

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Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. (a) Explain the function concept with awk shell script including calling function, Returning values, comparing strings.
(b) Explain the different string manipulations with example awk shell script. [8+8]
2. (a) Describe interrupt and EOF characters.
(b) What do multiuser and multitasking mean. [8+8]
3. Use a pipeline and command substitution to set the length of a line in "emp.dat" to a variable. [16]
4. Write the syntax for the following and explain with an example:
(a) lseek
(b) chmod
(c) chgrp
(d) rmdir. [4+4+4+4]
5. (a) When will be begin pattern true? When it is false? Explain with an example.
(b) Find the line that matches a regular expression in korn shell using grep. [8+8]
6. (a) What is the output statement in C shell? Explain its format.
(b) What would be printed from the following script segment? Explain. [8+8]
for each i (12 11 10 8 7)
echo \$i
end
7. What would be the effect of the following commands:
(a) egrep "[0-9] + [0-9] * \$" file1
(b) egrep "[0-9A-Fa-f] + \$" file1
(c) grep "[0-9].*[0-9].*[0-9].*[0-9]" file1 > file2
(d) grep "^(\.\\)\.2\1" file1 > file2
(e) grep 'scanf' *.c
(f) sed 's/[0-9][0-9]\$/&.5/' datafile
(g) grep '\.pic\$'

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(h) `grep -v "rao" xyz.`

[2×8=16]

8. Differentiate `grep`, `egrep` and `fgrep` commands. Explain each with 3 suitable examples.
[16]

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R07**Set No. 3**

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Time: 3 hours

Max Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

1. Write the syntax for the following and explain with an example:

- (a) lseek
- (b) chmod
- (c) chgrp
- (d) rmdir.

[4+4+4+4]

2. What would be the effect of the following commands:

- (a) egrep “^[0 – 9] + [.] [0 – 9] * \$” file1
- (b) egrep “^0[xX][0 – 9A – Fa – f] + \$” file1
- (c) grep “[0 – 9]. * [0 – 9]. * [0 – 9]. * [0 – 9]” file1 > file2
- (d) grep “^\\(\\.\\)\\.\\2\\1” file1 > file2
- (e) grep ‘scanf ’ *.e
- (f) sed ‘s/[0 – 9][0 – 9]\$/&.5/’ datafile
- (g) grep “.pic\$”
- (h) grep -v “rao” xyz.

[2×8=16]

- 3. (a) When will be begin pattern true? When it is false? Explain with an example.
- (b) Find the line that matches a regular expression in korn shell using grep. [8+8]

- 4. (a) What is the output statement in C shell? Explain its format.
- (b) What would be printed from the following script segment? Explain. [8+8]
for each i (12 11 10 8 7)
echo \$i
end

- 5. (a) Describe interrupt and EOF characters.
- (b) What do multiuser and multitasking mean. [8+8]

- 6. Differentiate grep, egrep and fgrep commands. Explain each with 3 suitable examples. [16]

- 7. (a) Explain the function concept with awk shell script including calling function, Returning values, comparing strings.

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- (b) Explain the different string manipulations with example awk shell script.[8+8]
8. Use a pipeline and command substitution to set the length of a line in “emp.dat” to a variable. [16]

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