

5 years Integrated M.Sc. (IT) (4th Semester)
060010410 – CC12-Linux and Shell Programming

Max. Marks: 30
Date: 28/02/2018

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks allocated to that question.
4. Draw diagrams/figures whenever necessary.

[1 * 4 = 4]

- I) How to run job in background? How to switch background job to foreground?
- II) If I am not specifying number in head command then how many lines displayed from file?
- III) Signify usage of \$? variable with example.
- IV) State the key difference between “cat” and “paste” command.

[2 * 3 = 6]

- I) Draw the flowchart of grep command.
- II) What is an interpretation of following command?
`$tr "aeiou" "AE?"`
`$tr -c "aeiou" "*"`
- III) What is output of the following commands? Why?

<code>\$t=100</code>	<code>\$t=100</code>
<code>\$p=t</code>	<code>\$p=t</code>
<code>\$eval echo \\$\$p</code>	<code>\$echo \$\$p</code>
- IV) Which token is use as default delimiter by cut command? Write a command that cut 5th column from aa.txt file; delimiter in file is ":".

[5 * 2 = 10]

- OR**

- 1) Select lines which do not start with capital letter and do not end with digit.
- 2) Select lines which having first and last similar character.
- 3) Select lines which having at least two digits without any other character in between.
- 4) Copy the file to monitor, but delete blank lines.
- 5) Select the lines from file which having only one word and word is "LINUX".

OR

- 1) Copy content of file1.txt to file2.txt. Do not use cp command.
- 2) Sort a files in current directory as per file size.
- 3) Write a command that count duplicate lines from file.
- 4) Cut filed 5 and 2 from file1.txt. File having @ character as delimiter.
- 5) Write a command that count number of lines, words from file1.txt.

[5 * 2 = 10]

- I) Write a detail note on redirection with appropriate example.
- II) Why it is recommended to put variable in double quote (" ")? List and explain three quotes used by the Linux.
- III) What are two building block of regular expression? Explain any four operators used in regular expression with appropriate example.