

Q.5 Write a shell script to find greatest of three numbers.

Q.6 Explain about various loop structure available in linux with example.

Q.7 Write short notes on any two

(i) Linux architecture.

(ii) Customizing desktop.

(iii) File Structure of linux.

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**4th Sem. / Comp.IT**

**Subject : Windows & Linux Operating System**

Time : 3 Hrs.

M.M. : 100

**SECTION-A**

**Note:**Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- a) Define shell.
  - b) Define compression.
  - c) What are three different file permissions.
  - d) What is disk cleanup.
  - e) Define a pipe.
  - f) What is purpose of who command.
  - g) Which command is used to terminate the job.
  - h) Write four important features of windows 10.
  - i) Define absolute Path name.
  - j) Define Home directory.

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- k) Define redirection.
- l) Define pg command.
- m) Define vi editor.
- n) Differentiate between copy & moving file.
- o) List logical operators of linux.
- p) Define linux kernel.
- q) What is the purpose of news command.
- r) Why is linux an open source

- viii) What are the objectives of operating system?
- ix) Write down the steps to change screen resolution.
- x) Differentiate between 'write' and 'wall' command.
- xi) Define filter. Explain any two filters.
- xii) Write short note on backup.
- xiii) What are the various types of users in linux.
- xiv) What do you mean by security? Discuss security in linux.

### SECTION-B

**Note:** Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) How the yank and paste commands are used.
  - ii) Compare linux and unix.
  - iii) Explain the bourne shell (sh).
  - iv) How we can unmask settings.
  - v) Explain various applications of vi editor.
  - vi) What is shell script? Why we need it?
  - vii) What is the difference between 'egrep' and 'fgrep'.

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### SECTION-C

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 What are the roles and responsibilities of system administrator. Explain.
- Q.4 Discuss the Syntax and purpose of following commands.
- |             |            |
|-------------|------------|
| (i) wc      | (ii) merge |
| (iii) chmod | (iv) cat   |

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