

## SECTION-C

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

Q.3 Write a shell script to find factorial of a number.

Q.4 Explain about following five commands.

- i) mv            ii) mkdir    iii) merge
- iv) grep        v) whoami

Q.5 How does system administrator add new groups, delete groups and modify groups.

Q.6 Explain the file access permissions available in Linux to secure files & folders.

Q.7 Explain about pros and cons of Linux operating system in detail.

No. of Printed Pages : 4

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**4th Sem. / CComp. 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 operating system.
  - b) Write any two features of Linux OS.
  - c) What is the purpose of pwd command.
  - d) Why should one use windows operating system?
  - e) Define home directory.
  - f) Define absolute path.
  - g) What are wild cards.
  - h) Which command is used to change file permission?

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030842

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030842

- i) Why the '-r' option of 'rm' is dangerous?
- j) Define open source.
- k) What is a loop?
- l) Define kernel.
- m) What is 'Vi' editor?
- n) What is 'kill' command?
- o) What is input redirection?
- p) Define tail command.
- q) What is the purpose of 'who' command?
- r) How will you start & quit Vi editor?

### SECTION-B

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

- Q.2
- i) Write a note on control panel.
  - ii) What are different media used for backup?
  - iii) Explain two features of windows?

(2)

030842

- iv) Describe various Linux file types.
- v) What is shell script? Why we need it?
- vi) Explain various file permissions in Linux.
- vii) How do we count the number of words, characters & lines in a specified file?
- viii) Write short note on encryption?
- ix) What is significance of 'chmod' command?
- x) Define the responsibilities of system administrator.
- xi) Compare Linux and Unix.
- xii) Define the following commands.
  - a) Mail
  - b) News
- xiii) Differentiate between write and wall command.
- xiv) How files are created renamed and deleted in windows?
- xv) Differentiate between while and until loop?

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