

B.C.A. DEGREE EXAMINATION – NOVEMBER 2017

FIFTH SEMESTER

COURSE : MAJOR ELECTIVE
PAPER : LINUX PROGRAMMING
TIME : 1 ½ HOURS

MAX. MARKS: 50

SECTION – A

Answer all the questions

(10 * 1 = 10)

Choose the best answer:

- How does an application communicate with kernel?
a) Not disclosed by linux team b) SSL c) System calls d) Shell
- What command is used to count the total number of lines, words and characters in a file?
a) countw b) wcount c) wc d) count p
- Which variable contains current shell process id?
a) \$* b) \$? c) \$\$ d) \$!
- What command do you use to create Linux file systems?
a) fdisk b) mkfs c) fsck d) mount
- Which hardware architecture is not supported by Red Hat?
a) SPARC b) IBM-compatible c) Alpha d) Macintosh

Fill in the blanks:

- _____ command displays name of your terminal.
- _____ command used to display data in Octal.
- How do you combine five lines into a single line?
- _____ is a multipurpose tool which combines the work of several editor.
- The disk copy is regularly updated with the memory copy by the _____ command.

SECTION B

Answer ALL the questions:

(5 * 2 = 10)

- Write short note on Hard links.
- Write about cat command.
- Define echo command.
- Write about Sed-scripts.
- List the difference between Boot block and Super block.

SECTION C

Answer any SIX of the following:

(6 * 5 = 30)

- List the features of UNIX operating system.
- Write short notes about pipes in Linux with examples.
- Explain about vi editor.
- Write short notes about awk command.
- Explain in detail about File System in Linux.
- Write short notes about filters and its commands.
- Write short notes on built-in functions in awk .
- Explain about Directory API.