



# BRAINWARE UNIVERSITY

Course- B.Sc.(HN)

Linux Server Administration (BHN302)

(Semester – 3)

**Time allotted: 3 Hours**

**Full Marks : 70**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

## Group –A

(Multiple Choice Type Questions)

10 x 1 = 10

1. *Choose the correct alternative from the following*

- (i) `find / -iname * will`
- |   |  |
|---|--|
| a. List all files and directories recursively starting from / | b. List a file named * in /                      |
| c. List all files in / directory                              | d. List all files and directories in / directory |
- (ii) Which command is used to extract a column from a text file?
- |          |        |
|----------|--------|
| a. paste | b. get |
| c. cut   | d. tar |
- (iii) Which command creates an empty file, if file does not exist?
- |        |          |
|--------|----------|
| a. cat | b. touch |
| c. ed  | d. read  |
- (iv) How could you install the package `ipchains-1.3.9-5.i386.rpm`?
- |   |  |
|---|--|
| a. <code>rpm -qip ipchains</code>           | b. <code>rpm -Uvh ipchains</code>                |
| c. <code>rpm -ivh ipchains*.i386.rpm</code> | d. <code>rpm -e ipchains-1.3.9-5.i386.rpm</code> |
- (v) To create a swap partition by using `fdisk`, what must be the partition's system ID type?
- |       |       |
|-------|-------|
| a. 83 | b. 82 |
| c. 5  | d. 4  |
- (vi) What command is not used to list the files `chap01`, `chap02` and `chap04`?
- |                                  |                               |
|----------------------------------|-------------------------------|
| a. <code>ls chap*</code>         | b. <code>ls chap[124]</code>  |
| c. <code>ls -l chap0[124]</code> | d. <code>ls chap0[124]</code> |



9. (a) Write down the functions of the following with example:
- i. userdel -r
  - ii. ls -la
  - iii. grep
  - iv. chmod
  - v. chown
- [10]
- (b) Differentiate the use of *gpasswd* command for root user and group administrator with example. [5]
10. (a) What is zombie and orphan process in Linux? [4]
- (b) What is the way to schedule a job? Describe with a suitable example. [4]
- (c) What is the way to provide permission to files and directories in both relative and absolute manner? Describe with suitable example. [7]
11. Write short notes on any *three* from the following: [3 x 5 =15]
- (a) Linux Shell
  - (b) Password management in Linux
  - (c) Utility of /etc/fstab
  - (d) Hard link vs Symbolic Link