

CEF 403: Linux/Unix Administration.

Question One: Common Linux Commands. (10 Marks)

- Give the exact command which will show the path to the **cp** command in Linux
- Give the command which will copy files **one.txt** and **two.txt** from **/home/test** to **/home/test/testing**
- Give the command to rename file **movers.txt** to **shakers.txt**
- Give the command on how to obtain online help for the **ln** command.
- Give the command to create a symbolic link in **/home/test** called **linkers** to point to file **/home/folders/files.sh**
- Give the command which will shutdown you machine in 5 minutes
- Give the command which will list all packages installed on your Linux system.
- Give the command to give the executable permission to all on file **one.txt**
- Give the command to list hidden files
- Give the command to remove a directory only if that directory is empty.

Question Two: Boot Process. (5 Marks)

During the boot process init brings up the system by loading boot time applications at different run levels. Mention all the files that are loaded during run level 4

Question Three: Network Connection. (5 Marks)

Configure you network interface for static ip addressing as shown below.

Network address 10.254.0.1
Network Mask 255.255.255.0
broadcast Address 10.254.0.255
default Router 10.254.0.254

Ensure that your configuration is works by using the following command "ping 10.0.254.1"

Question Three: Scripting. (5 Marks)

In the folder **/home/shells** in your machines there are numerous files amongst which are 10 scripts which you need to execute sequentially. You are tired to do so manually write a script which will execute this for you.

Question Three: Security. (5 Marks)

The Security policy of University of Buea mandates that each user lock their screen when leaving the computer unattended. If they forget the screen should automatically be locked in 2 Minutes.

- Give the set of command to manually lock the screen before leaving.
- Give the procedure to have the monitor automatically lock in 2 minutes.