**General Question [1 mark ]**

* What is Linux?
* What is the difference between UNIX and LINUX?
* What are the basic components of Linux?
* Does it help for a Linux system to have multiple desktop environments installed?
* How can you find out how much memory Linux is using?
* What is the pwd command?
* What is the maximum length for a filename under Linux?
* What are the kinds of permissions under Linux?
* What are the different modes when using vi editor?
* What is grep command?
* How do you terminate an ongoing process?
* When you login you get “$” prompt, what is the prompt for root?
* How many new directories will be created after running the following command : mkdir {a..c}{1..3}
* Your PC is configured with a DNS server address but not the default gateway. Can the PC access internet?
* Can you assign one static IP to 2 computers, if not then why?
* How to change IPs address to static?
* You are trying to ping a server by hostname and you get an error message, “ping: unknown host …”. What could be the reason and how to solve the problem so you can ping it by hostname?
* What is the command to change file/directory ownership and group?
* How to change a user password?
* What is the version of Redhat Linux you have experience with?
* How to logoff from the system?
* Give any 3 examples of operating systems?
* How to create a directory?
* Which directory has all the configuration files?
* How to become root user from a regular user?
* How to display first column of a file?
* What is the exact command syntax to list the 5th column of a file and cut the first 3 letters?
* How to check a file’s permission?
* What is root home directory?
* Your company has terminated a server administrator. What is first thing as an administrator you should do to enhance the security?
* Which of the following is correct?

a. Hardware Operating System Users

b. Operating System Users Hardware

c. Database Hardware Users

* How to rename a file or directory?
* Why is “tail –f logfilename” command used most often and what does it do?
* How to sort a file in reverse order?
* If a command hangs, how to stop it and get the prompt back?
* How to check the number of users logged in?
* 101. What is the command to view the calendar of 2011?
* 102. Which command is used to view disk space?
* What does the following command line do?

ps -ef | awk '{print $1}' | sort | uniq

* What is the output of the following command: $tail -10 filename | head -1
* Which command is used to list the processes?

**Moderate Questions [ 2 marks each]**

* Write a command that will look for files with an extension “c”, and has the occurrence of the string “apple” in it.
* Write a command that will display all .txt files, including its individual permission.
* Write a command that will do the following:
* -look for all files in the current and subsequent directories with an extension c,v -strip the,v from the result (you can use sed command) -use the result and use a grep command to search for all occurrences of the word ORANGE in the files.
* What, if anything, is wrong with each of the following commands?
* a) ls -l-s b) cat file1, file2 c) ls – s Factdir
* What is the command to calculate the size of a folder?
* How can you find the status of a process?
* How can you append one file to another in Linux?
* Explain how you can find a file using Terminal?
* Explain how you can create a folder using Terminal?
* Explain how you can view the text file using Terminal?
* You are tasked to examine a log file in order to find out why a particular application keep crashing. Log file is very lengthy, which command can you use to simplify the log search using a search string?
* You have tried to “cd” into a directory but you have been denied. You are not the owner of that directory, what permissions do you need and where?
* You get a call from a user saying that I cannot write to a file because it says, permission denied. The file is owned by that user, how do you troubleshoot?
* How to kill a process?
* How to combine 2 files into 1? E.g. you 3 lines in file “A” and 5 lines in file “B”, which command syntax to use that will combine into one file of 3+5 = 8 lines
* You need to modify httpd.conf file but you cannot find it, Which command line tool you can use to find file?
* You open up a file and it has 3000 lines and it scrolled up really fast, which command you will use to view it one page at a time?
* I have a file Mantu.txt which contains multiple lines and few of the lines has a particular pattern as “India”. I want to print only those lines. How can I ?
* What is the syntax to move to a super user?
* How can I change the permission of a file?
* How can I give all permission to a user?
* How many numbers are used with kill while killing a process ?