**Assignment**

**Module-1 : Linux server – understand and essential tool**

Q-1: what is minimum number of partitions you need to install Linux?

Ans: one

Q-2: Explain about chmod command.

Ans: chmod use for change modification and give permission to all files and directories.

Q-3: How to check Linux memory utilization?

Ans: Using “top” command gives a dynamic, real-time view of system process and memory usage.

Q-4: use grep to search for specific patterns in files.

Ans: grep “use specific word to find”/etc/demo (location to file or directory)

Q-5: Get connecting on a Linux server by ssh

Ans: done in lab.

Q-6. Create 5 files in the /tmp directory, and then use tar and gzip to bundle and compress the files.

Ans: done in lab.

Q-7: Describe the root account

Ans: The root account is a specific account that has complete administrative privileges and control over the entire system.

Q-8: what is shell?

Ans: If we use graphically in Linux that is known as shell.

Q-9: what is Linux?

Ans: It is a Unix-like, open source and community-developed operating system for computers, servers, mainframes, mobile devices, and embedded devices.

Q-10: What is Bash?

Ans: If we use Command base in Linux that is known as Bash.

Q-11: You have a new empty hard drive that you will use for Linux. what is the first step you use?

Ans: first we download Linux OS.

Q-12: Write the Linux command to show the current working directory.

Ans: pwd (present working directory)

Q-13: Write the Linux command to get help with various options.

Ans: --help, man, pinfo

Q-14: Write the Linux command to display what all users are currently doing.

Ans: Use “who” for a simple list of logged-in users.

And

Use “w” for more detailed view of user activity.

Q-15: Write the Linux command to get information about the operating system.

Ans: uname -a

Q-16: Write the Linux command to create a hard link of a file.

Ans: To create a hard link of a file we use “ln” command.

Q-17: Write the Linux command to create a soft link of a file as well as Directory.

Ans: To create soft link of a file as well as directory we use “ln-s” command.

Q-18: Write the Linux command to search for specific pattern in a file.

Ans: grep