| **No.** | **Question** | **Answer** |
| --- | --- | --- |
| 1 | What file contains the operating system name and version? | /etc/os-release |
| 2 | Which command displays how long the system has been running? | uptime |
| 3 | What command is used to display the system date and time? | date |
| 4 | What does the command 'hostname -i' display? | The system's IP address |
| 5 | How can you change the hostname permanently in Linux? | hostnamectl set-hostname newname |
| 6 | Which command shows detailed kernel version and system architecture? | uname -a |
| 7 | What is the output of 'uname -r'? | Kernel version |
| 8 | Which command provides CPU architecture and hardware info? | lscpu |
| 9 | Which command shows available and used memory in megabytes? | free -m |
| 10 | Which command shows disk usage in human-readable format? | df -h |
| 11 | Which command shows all network interfaces and IP addresses? | ip a |
| 12 | What is the purpose of the command 'pwd'? | Prints working directory |
| 13 | What does 'ls -l' display? | File permissions and ownership |
| 14 | How does 'ls -ld' differ from 'ls -l'? | Displays directory metadata only |
| 15 | What does 'ls -il' display? | Inode numbers |
| 16 | Which directory contains configuration files? | /etc |
| 17 | Which Linux directory is known to grow because of logs? | /var |
| 18 | Which of the following is typically found in /boot? | initrd, vmlinuz |
| 19 | What is stored in the /home directory? | User files and personal settings |
| 20 | Which of the following is true about /dev? | Contains device files like sda, tty, and sr0 |
| 21 | How do you clear the terminal screen? | clear |
| 22 | Show last 5 lines of a file: | tail -n5 file |
| 23 | Delete a file: | rm file |
| 24 | Move (cut-paste) a file: | mv file /path/ |
| 25 | Which command shows your current working directory? | pwd |
| 26 | Page through a file with search support: | less file |
| 27 | Delete an empty directory: | rmdir dir |
| 28 | Show contents of a text file quickly: | cat file |
| 29 | Copy contents of fileA to fileB: | cat fileA > fileB and cp fileA fileB |
| 30 | View a file page by page (older pager): | more file |
| 31 | Which command prints the current logged-in user? | whoami |
| 32 | Create an empty file or update mtime: | touch file |
| 33 | Change directory one level up: | cd .. |
| 34 | Copy a file to another directory: | cp file /path/ |
| 35 | Create a directory: | mkdir dir |
| 36 | Which command lists files in the current directory? | ls |
| 37 | Which command shows system date/time? | date |
| 38 | Show first 5 lines of a file: | head -5 file and head -n 5 file |
| 39 | Rename a file: | mv file newname |
| 40 | Edit a file (choose a CLI editor): | nano file and vi file |
| 41 | What command helps you change directory? | cd |
| 42 | What is the command and flag for copying in Linux? | cp -r |
| 43 | How do you install httpd package in Linux? | dnf install httpd -y |
| 44 | Before the 'httpd' package is installed, does the service already exist on the system? | No |
| 45 | What does the 'd' stand for in 'httpd'? | daemon/service |
| 46 | Give the full command to check the status of a daemon/service if it is running or not. | systemctl status httpd |
| 47 | How do you start a httpd service? | systemctl start httpd |
| 48 | Home Directory of root is '/' yes or no? | no |
| 49 | What is the Home Directory of User 'natasha' (give the full absolute path)? | /home/natasha |
| 50 | If you want to see all the hidden files under a directory what command will you use? | ls -al |
| 51 | You have a VM provisioned on your VirtualBox. What is the name AWS gives to its VMs? | EC2 |
| 52 | The default user in AWS when you create an EC2 Instance is? | ec2-user |
| 53 | Can you copy files from Windows to Linux using 'WinSCP'? | yes |
| 54 | The Home Directory of root is? | /root |
| 55 | You want to copy 'law-firm.zip' from /home/ec2-user to root's home directory | cp -r /home/ec2-user/law-firm.zip /root |
| 56 | Give the full path of the directories where Webpages are hosted. | /var/www/html |
| 57 | What command is used to make a file? | touch |
| 58 | What command is used for making a directory? | mkdir |
| 59 | How do you delete all files in a folder? | rm -rf \* |
| 60 | Are you learning something new in this class? | yes |

**copy folder with directories and files**

sudo useradd user1

sudo passwd user1

sudo useradd user2

sudo passwd user2

su user1

mkdir mywork

cd mywork

mkdir 012025

mkdir 022025

cd 012025

touch abc.txt xyz.txt

su root

sudo cp -r /home/user1/\* /home/user2 to copy dir and files to other folder

or

udo mv /home/user1/\* /home/user3 (to move dir and files to other folder)