**General Instructions:**

* **Follow the instructions given in each section.**
* **Make sure that you attempt the questions in order.**

**SECTION-A (10\*1 mark=10 marks)**

***(All questions are compulsory)***

1) Which command is used to list the contents of a directory in Linux?

**a.** **ls**

b. cd

c. pwd

d. rm

2) Which command is used to create a new directory in Linux?

**a.** **mkdir**

b. touch

c. rm

d. mv

3) Which command is used to display the current working directory in Linux?

a. ls

b. cd

**c.** **pwd**

d. rm

4) Which command is used to remove a file in Linux?

**a.** **rm**

b. mv

c. cp

d. chmod

5) Which command is used to copy a file in Linux?

**a.** **cp**

b. mv

c. rm

d. chmod

6) Which command is used to move a file in Linux?

**a.** **mv**

b. cp

c. rm

d. chmod

7) Which command is used to rename a file in Linux?

**a.** **mv**

b. cp

c. rm

d. chmod

8) Which command is used to change file permissions in Linux?

**a.** **chmod**

b. chown

c. chgrp

d. ls

9) Which command is used to change the owner of a file in Linux?

**a.** **chown**

b. chmod

c. chgrp

d. ls

10) Which command is used to change the group ownership of a file in Linux?

**a.** **chgrp**

b. chown

c. chmod

d. ls

**SECTION-B (5\*2 mark=10 marks)**

***(All questions are compulsory)***

11) Which command is used to search for files or directories in Linux?

**a.** **find**

b. grep

c. sed

d. awk

12) Which command is used to display the contents of a file in Linux?

**a.** **cat**

b. touch

c. mkdir

d. rmdir

13) Which command is used to edit a file in Linux?

a. nano

b. vi

c. emacs

**d.** **all of the above**

14) Which command is used to display information about the system in Linux?

**a.** **uname**

b. ps

c. top

d. ls

15) Which command is used to display the IP address of the system in Linux?

**a.** **ifconfig**

b. ipconfig

c. netstat

d. ping

**SECTION-C() (4x5 marks=20 marks)**

Q16) What are the advantages of using shell scripts in linux?

Shell scripts provide numerous advantage

-Accuracy – The scripts once written, can be implemented again and again, hence reducing the risk of any typing mistake

-Efficient – The shell scripts helps save a lot of time by only executing the file name and all the commands are automatically executed

-Automation – The shell scripts can help us automate a lot of processes

Q17) How to create a shell script in linux?

To create a shell script in Linux-

-Open a text editor and write the shebang line

-Now write the commands that you want to execute in the script.

-Save the file with a .sh extension make it executable using the chmod command.

-Execute the file in the terminal to test

Q18) Create a directory named test\_shell. In this directory create a shell file named add\_file.sh . In this shell script take input of two numbers from the user and give the sum of the two numbers as output of the shell file execution.

mkdir test\_shell

cd test\_shell

touch add\_file.sh

vi add\_file.sh

!#/bin/bash

read num1

read num2

echo $((num1 + num2))

:wq

Q19) Create a directory named test\_shell. In this directory create a shell file named prod\_file.sh. In this shell script take input of two numbers from the user and give the product of the two numbers as output of the shell file execution.

mkdir test\_shell

cd test\_shell

touch prod\_file.sh

vi prod\_file.sh

!#/bin/bash

read num1

read num2

echo $((num1 \\* num2))

:wq