General Instructions:

* Follow the instructions given in each section.
* Do not write anything on the question paper, except your roll no.
* Make sure that you attempt the questions in order.

**Section - A**

**(Q 1 to 10: Each question carries 1 mark)**

Q.1. FSF stands for \_\_\_\_\_\_\_\_\_\_

1. File server first
2. /tmp
3. **Free software Foundation**
4. /mnt
5. None of the above

**Q.2** Which of the following Linux flavor is from canonical?

1. BSD
2. Manjaro
3. **Ubuntu**
4. RHE

Q.3. Which of the following statement is FALSE?

1. Linux supports multiple users
2. Linux is an open source operating system and the source code is shared
3. **Shell perform process based operations with communication of process**
4. Shell provides the feature of I/O Redirection

Q.4. Which of these is not a Linux Flavor?

1. **FreeBSD**
2. CentOs
3. PopOs
4. Suse

**Q.5.** Select the most appropriate option for GRUB in Linux?

1. stands for Linux boot loader
2. is a Multiboot boot loader.
3. GRand Unified Bootloader
4. **b and c**
5. None of the above

Q.6. Which of the following tool is used to partition your hard drive?

1. mkfs
2. fdisk
3. **fsck**
4. mount
5. None of the above

**Q.7.** CentOS developed & supported by

1. Sun Microsystems
2. AT&T
3. **Red Hat**
4. Sun and AT&T jointly

Q.8. What command is used to halt a Linux system?

1. init 01
2. Shutdow –t
3. Shutdown - -y0
4. Ctrl+Alt+Del
5. **Poweroff**

**Q.9.**Which of the following file allows the user to change the GUI with networking?

1. graphics.target
2. **graphic.target**
3. graphical.target
4. multi.target
5. None of the above

Q.10. What command can be used to get information about yourself?

1. which
2. pwd
3. i/4
4. who am i
5. **None of the above**

**Section - B**

**(Q 11 to 15 : Each question carries 2 marks)**

1. Q.11. In Linux operating system, the \_\_ is the default input device and the \_\_\_\_ is the default output device.
2. Keyboard, printer
3. Mouse, printer
4. **Keyboard, monitor**
5. Mouse, monitor

**Q.12.** In vi editor, there are \_\_ and \_\_ modes.

1. Insert, Execute
2. **Command, insert**
3. Command, Execute
4. Insert, append

Q.13. The command cat with option\_ is used for creating a new file whereas option \_\_ is used for appending to the already existing file.

1. **,>>**
2. ,<
3. <,>
4. <,>>

Q.14. In the chmod command, the octal value for read permission is \_\_ and for execute is \_\_\_.

1. 4, 2
2. 2, 1
3. **4, 1**
4. 2, 4

Q.15 The filename \_\_ refers to the current working directory and the filename \_\_ refers to the parent directory.

1. / , .
2. .., /
3. /, ..
4. **., ..**

**Section – C**

**(Q 16 to 19: Each question carries 5 marks)**

Q.16. Write command for following (1 mark each)

1. Set group and others permissions to read only
2. Set write + execute permissions for all the files and subdirectories of directory named folder
3. How to change the value of umask variable
4. Umask value is 333 what will be permissions of newly created files and directories
5. What is meaning of bin?

Q.17. Write the booting process of the Linux Operating System.

Q.18 Write command for following task ( 2.5 marks each )

1. You have a file which contain some text data and you need to remove all % # @ symbols with \* in this file and then display the content .
2. Remove duplicate lines from a file and display content

Q.19. How would you accomplish the following task?

1. You are currently in the "/home/user" directory and you want a directory “log” inside a director “var”.“var” is inside "/home/user" directory. (1 mark)
2. You want to search for all files in the "/var/log" directory that have the ".log" extension. (2 marks)
3. You want to change the permissions of a directory "log" to allow read and execute permissions for all users. (2marks)