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. what is the hex code for swap partition?

1. 1
2. **82**
3. 5
4. 83

**Q.2.** Routing is performed by which of the following layers?

1. Transport layer
2. data link layer
3. network layer
4. **session layer**

Q.3. Identify the default file system type of Linux

1. **ext4**
2. ext2
3. ext
4. mimix

Q.4 Identify the hardware structure which is not supported by Red Hat?

1. IBM-compatible
2. Alpha
3. SPARC
4. **Macintosh**

**Q.5.** The permission -rwxr–r– represented in octal expression will be?

1. 777
2. 666
3. **744**
4. 711

Q.6The configuration files are present in -----------.

1. **/etc/**
2. /dev/
3. /bin/
4. /root/

**Q.7.** Among the following command which is used with vi editors to delete a single character?

1. a
2. **x**
3. y
4. z

Q.8. Select the time stamps which is not available in Linux?

1. Access Time
2. Modification Time
3. **Creation Time**
4. Change Time

**Q.9.** Which option of rmdir command will remove all directories a, b, c if path is a/b/c ?

1. –b
2. –o
3. **–p**
4. –t

Q.10. Which of the following command can force all buffers to disk?

1. save
2. flush
3. edbuff
4. **sync**

**Section - B**

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

Q.11. Result of ls -d \*/ command?

1. **displays only subdirectories**
2. displays file size in human readable format
3. display files in long listing format
4. displays directories with / mark

**Q.12.** Choose the correct command to move all the files ending with extension .doc, from pwd to target

1. mv .\*doc /home/target/
2. **mv \*.doc /home/target/**
3. mv \*.\*doc /home/target
4. mv .doc /home/target

Q.13 Choose the correct command to copy 2 files from pwd to test directory

1. cp file1.txt file2.txt /home/test/file.txt
2. **cp file1.txt file2.txt /home/test/**
3. cp file1.txt || file2.txt /home/test/
4. None

Q.14. which command is used to display the file content in reverse order (last line first, first line last)?

1. cat -r file.txt
2. cat elif.txt
3. file.txt -r
4. **tac file.txt**

Q.15To search all file which has permission of read, write and execute in pwd

1. **find ./ -perm 777**
2. find ugo+777
3. find ugo+rwx
4. find .\* rwx

**Section – C**

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

Q.16. How to manage users and groups in Linux? Explain with examples.

Q.17 Write commands for the following operations. (1 mark each)

1. Display the contents of the file “month.txt” in the reverse order.
2. Sort the file “month.txt” in the ascending order.
3. Number the lines of the file “month.txt”.
4. Using stream editor commands, delete the 3 line of the file “month.txt”.
5. Using stream editor commands, delete the last line of the file “month.txt”.

Q.18 Being a system admin, a group “workers” is already present in

Which you are added, a new user “worker\_7890 ” with password“7890” was created by you.

Perform the following tasks:

1. Create a file “work”, add “worker\_7890 ” to the “workers ” group, change the group for “work” file to “workers ”. **(2 marks)**
2. Change permissions for “work” to be read,write,executed by the owner and the group in which owner and the “worker\_7890 ”is**. (1 mark)**
3. Switch to the “worker\_7890 ” and append “worker\_7890 :Present ” in “work” file**. (2 marks)**

Q.19 Write commands for following task

1. How to delete empty lines permanently from file Practice .txt (1mark)
2. Delete line number 10 from Practice .txt (1 mark)
3. Delete line 2, line 5 and line 7 from Practice .txt (1 mark)
4. Find count of word “hello” in Practice .txt (1 mark)
5. Write a command to view file without any blank line (1 mark)