**Sessional Tests: 40 Marks**

10 MCQ- 1 Mark each

5 MCQ- 2 Marks each

4 Submission- 5 Marks each

**Section - A**

**(Q1 to 10: Each question carries 1 mark)**

**Q.1.** Which of the following command is used to count the total number of lines, words, and characters contained in a file?

1. wc
2. wcount
3. countw
4. None of the above

**Q.2.** Which of the following command is used to add a new user to the system?

1. Using Linuxconf
2. Using adduser
3. Using useradd
4. All of the above

**Q.3.** Which of the following commands is used to display the octal value of the text?

1. od
2. oct
3. octal
4. text\_oct

**Q.4.** Identify the command which is used to record sessions in Linux

1. script
2. session
3. Both a and b
4. None of the above

**Q.5.** Using which of the following command can hidden files be viewed?

1. ls -h
2. ls -a
3. ls -l
4. ls -k

**Q.6.** The main Apache configuration file is?

1. /etc/httpd/config.ini
2. /etc/apache.conf
3. /etc/httpd/conf/httpd.conf
4. /etc/srm.conf

**Q.7.** Linux Kernel was founded by?

1. Richard Stallman
2. Linus Torvalds
3. Bill Gates
4. Ben Thomas

**Q.8.** OSS stands for \_\_\_\_\_\_\_\_\_\_\_\_\_

1. Original Source Software
2. Open System Software
3. Original System Server
4. Open Source Software

**Q.9.** What command is used to copy files and directories?

1. copy
2. cp
3. rn
4. cpy

**Q.10.** Which command is used to extract a column from a text file

1. paste
2. get
3. cut
4. tar

**Section - B**

**(Q11 to 15: Each question carries 2 mark)**

**Q.11.** To change the directory from pwd to home directory we use \_\_\_\_\_\_ command.

a) cd ..

b) cd /

c) cd ../../

d) cd ~

**Q.12.** ls -lrt command is used for

a) display all hidden files in long listing format

b) displays files in descending order

c) display files in long listing format

d) displays only directories in long listing format

**Q.13.** Choose the correct option

a) find is used to search a file in entire system, locate is used to search a file in pwd

b) find & locate both are used to search a file in pwd

c) find & locate both are used to search a file in entire system

d) find is used to search a file in pwd, locate is used to search a file in entire system

**Q.14.** Difference between symbolic link and hard link

a) Hard link shares the inode number, symbolic link does not

b) Symbolic link shares the inode number, hard link does not

c) Hard link and Symbolic both share the inode number

d) Symbolic link and hard link both do not share inode number

**Q.15.** head -10 file.txt command is used

a) to display content of file 10 times

b) to display first 10 lines from file

c) to display last 10 lines from last

d) to display first line 10 times

**Section - C**

**(Q16 to 19: Each question carries 5 mark)**

**Q.16.** Chitkara\_University has departments (CSE, CIVIL, Mech, ECE, EEE), each department has 2 groups in it (GR-1, GR-2), each group has 10 student in it (student1, student2, ……, student10),

Help university to create directory & files in mentioned order respectively. (1 marks for each department created with 10 student files in that)

Ans:

mkdir Chitkara\_University && cd Chitkara\_University && mkdir -p CSE CIVIL Mech ECE EEE

cd ~ && cd Chitkara\_University && cd CSE && touch student{1..10}

cd ~ && cd Chitkara\_University && cd Civil && touch student{1..10}

cd ~ && cd Chitkara\_University && cd Mech && touch student{1..10}

cd ~ && cd Chitkara\_University && cd ECE && touch student{1..10}

cd ~ && cd Chitkara\_University && cd EEE && touch student{1..10}

**Q.17.** Write commands for following:

To display the data of first 10 lines from file.txt (1 mark)

To display the data of last 5 lines from file.txt (1 mark)

To display the data of 6 to 13 lines from file.txt (1 mark)

To display data of only line number 7 from file.txt (1 mark)

To display data of line 3 line 6 and line 9 from file.txt (1 mark)

Ans:

1. head file.txt
2. tail -5 file.txt
3. head -13 file.txt | tail -8
4. head -7 file.txt | tail -1
5. head -3 file.txt | tail-1 && head -6 file.txt | tail -1 && head -9 file.txt | -1

**Q.18.** How do you open file in nano editor? (1 mark)

How do you bring up a list of shortcuts in nano? (1 mark)

How do you go form Edit mode to Insert mode in vi? (1 mark)

How do you save and exit a file in vi? (1 mark)

How do travel in file without using navigation keys? (1 mark)

Ans:

1. nano filename
2. press CTRL+G
3. press i
4. press SHIFT+ZZ
5. press k for up, j for down, l for right, h for left

**Q.19.** Write command that displays only your currently logged on user name (1 mark)

Display a list of all logged on users (1 mark)

Display your user name and your unique user identification (userid) (1 mark)

Write a command to add new user as newuser (1 mark)

Switch user from current user to newuser (1 mark)

Ans:

1. who am i
2. who
3. id
4. useradd newuser
5. su newuser