

LAB EXERCISES

Contents:Practical

PART–A LINUX COMMANDS	
Write down the syntax and usage of the following exercise with all options.	
Check the commands with the system	
1	Usage of Directory Management commands: ls, cd, pwd, mkdir, rmdir
2	Usage of File Management commands :cat, chmod, cp, mv, rm, more
3	Use the General Purpose commands: wc, cal, date, who, tty, ln
4	Using the Simple filters: pr, head, tail, cut, paste, nl ,sort
5	Advanced filters: Search for a pattern using grep, egrep, fgrep, uniq Communication Commands: write, wall
6	Check the details of process name, PID, status using ps command. Process Management commands:&,nohup, kill, nice
7	Device pattern using meta character to match each of the following situation: All three character filenames. All filenames that contains the characters 'a 'or 'b 'or' c.' All filenames beginning with a particular string. All filenames beginning with 'ca' and ending with two digits. All filenames beginning with 's 'and having 'a' at somewhere.
PART– BSHELL SCRIPTS	
1	Write a shell script that accepts a numerical value N. Then display the Decrementing value of N till it reaches 0.
2	Write a shell script to search a string and display it.
3	Write a shell script that takes three command line arguments. The first argument is the name of the destination file and the other two arguments are Names of files to be placed in the destination file.

4	Write a shell script to print contents of file from given line number to next given Number of lines.
5	Write a shell script that print out date information in this order: time, day of The week, day number, year– that is like this.21:18:00 IST Mon16 Aug2021
6	Develop a Basic math Calculator using case statement
7	Write a shell script that represents a multiple choice question, gets the user's Answer and report back whether the answer is right, wrong or not one of the choices.
8	Write a shell script that takes a command line argument and reports on Whether it is a directory, a file or something else.

BOARD EXAMINATION

DETAILED ALLOCATION OF MARKS

SCHEME OF VALUATION	
Correctness of Commands in Part-A	20 Marks
Execution of Commands in Part-A	20 Marks
Writing program in Part-B	20 Marks
Execution of program in Part-B	25 Marks
Printed Output (Part–A)	5 Marks
Printed Output (Part–B)	5 Marks
VIVA– VOCE	5 Marks
TOTAL	100 Marks

HARDWARE AND SOFTWARE REQUIREMENTS

Minimum Hardware Requirements:

Desktop Computers:30 Nos

Laser Printer:1No.

Minimum Software Requirements:

Operating System :Any Linux Based GUI Operating System