

External Lab Exam Schedule: Design of Operating System (CSE - 4049)
Semester: 5th Branch: CSE/CSIT

SET 4

Q1. Write a command to count the number of files in the current working directory and display that number. (2 Marks)

Q2. Write a shell script named as **prog2.sh** for merge the content of files a.txt, b.txt, and c.txt sort them and save the result in a file called **result** and display the sorted output on the screen. (3 Marks)

(Note: a.txt, b.txt and c.txt file contain some numerical value. Make the script an executable file and run it as a command using its name only.)

Q3.) Write down all possible outcome of program. (3 Marks)

```
int main( )
{
    pid_t pid;
    int i=5;
    pid=fork();
    if(pid==0)
    {
        printf("Child: %d",i);
    }
    else
    {
        i=i+1;
        printf("Parent: %d",i);
    }
    return 0;
}
```

Q4. Write a shell script **prog4.sh** which will display one message to enter a character and according to the character entered it will display appropriate message from the following options: (5 Marks)

- You entered a lower case alphabet
- You entered an upper case alphabet.
- You have entered a digit.
- You have entered a special symbol.
- You have entered more than one character.

Q5. Write a shell script **prog5.sh** that will compare three numbers passed as command line arguments and display the smallest one. (2 Marks)