

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

Set 1:

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** which will display the filename and line count, word count and char count of the file prog2.sh in the following format: (3 Marks)

Filename: prog2.sh
Line count: -
Word count: -
Char count: -

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

```
int main( )
{
    pid_t c1;
    int n=10;
    c1=fork( );
    if(c1==0)
    {
        printf(" Child\n");
        n=20;
        printf("n=%d \n",n);
    }
    else
    {
        wait(NULL);
        printf("Parent\n");
        printf("n=%d \n",n);
    }
    return 0;
}
```

Q4. Write a shell script prog4.sh that will take two file names as command line arguments, and check whether the content of two files are same or not . If contents of two files are same, then it will display the message: Files filename1 and filename2 have same content. Then delete the second file and display the message: So filename2 is deleted. Otherwise display the message: Files filename1 and filename2 have different content. (5 Marks)

Q5. Write a shell script **prog5.sh** to perform integer arithmetic on two numbers, where the value of the two numbers will be given during runtime. (2 Marks)