

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

SET 3

Q1. Write the command to create a file named as file1 using cat command inside dir1. Write your name, regdno, branch, semester and section in file1. Then display the content of the file. (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 **any file** given as argument to mvwc2 in the following format: (3 marks)

filename	linecount	wordcount	charcount
file1	-	-	-

Q3. Write down all 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. Ramesh's basic salary is input through the keyboard. His dearness allowance is 40% of basic salary, and house rent allowance is 20% of basic salary. Write a program to calculate his gross salary. (2 Marks)