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| **Operating Systems Laboratory**  **Linux Commands – CSE E**  **Lab 2**  **To be submitted on Jan 29, 2021** |

**Name:**

**Roll. No:**

**PART A**

**Evaluation scheme:**

Each command 1\*12 = 12 Marks

Viva – 3 Marks (When faculty checks they may ask you to explain any question from your submission)

Write Linux Commands for the following

**Linux commands   Max. Marks**: 15

**1.**List all the directories only using echo command.

2.List the calendar of September 1752 and explore.

3.Display the time of the day

4.Create a directory by **your rollno e.g cse601**

5. Move the files to appropriate directory

6.List all the directories and files in directory with name as your rollno

7.List the size of **all files (hiddenfiles also)**and folders in desired scale format, directories should not be displayed.

8.Change the permissions of the file DOS.txt give read and write permissions to user and group

9.List all the environment variables and display PATH

10.Change the prompt. And change it back to original prompt.

11.Copy the file /etc/passwd into your home directory.

12. List the usernames and home directory from /etc/passwd in sorted order

**PART B**

**Evaluation scheme:**

Each Shell script 2 marks-2\*6 = 12 Marks

Viva – 3 Marks (When faculty checks they may ask you to explain any question from your submission. **Max. Marks**: 15

**1. Write a Shell program to check the given number is even or odd.**

**2. Write a Shell program to find the smallest digit from a number.**

**Eg:145 , the smallest digit is 1**

**3. Write a Shell program to find the sum of cube of individual digits of a number.**

**4. Write a Shell program to generate prime numbers between 1 and 50.**

**5. Write a Shell program to generate the directory structure as shown in Part A ,Q.No 4.**

**6. Write a Shell program to check the given number and its reverse are same.**