**MANIPAL UNIVERSITY JAIPUR**School of Computing and IT

**DEPARTMENT OF COMPUTER AND COMMUNICATION ENGINEERING**Course Hand-out

Operating Systems Lab | CC 2232 1 Credit | 0 0 2 1

Session: Jan 21-May 21 | Class: B. Tech. IV SEM

List of Experiments

Write a shell script to

1. Find largest of two numbers
2. Display numbers from 1 to 10
3. To find factorial of a number
4. To print the table of the number entered by user
5. Display prime numbers in the given range
6. To find the sum of digits of a number
7. To display number of words
8. Write a program to copy the content of one file to another file using system calls.
9. Write a program to append contents of one file to another file.
10. Write a program for reverse copy the content of one file to another file (use *lseek* system call).
11. Write C program to illustrate *cat* command using system calls.
12. Write a program to print process identification numbers of parent process and its child processes
13. Write a program in ‘C’ to implement FCFS CPU scheduling algorithm when process arrival time is given.
14. Write a program in ‘C’ to implement SJF CPU scheduling algorithm (preemptive and non-preemptive).
15. Write a program in ‘C’ to implement Bankers algorithm for deadlock avoidance.
16. Write a program in ‘C’ to illustrate page replacement algorithms (FIFO).