

MCS172- UNIX OPERATING SYSTEM

Task for Lab5– 19/8/2020

CIA Rubrics

1. Correctness of the program (5 marks)
 2. Complexity of the program (2 marks)
 3. Validation & Formatting (1 marks)
 4. Concept Clarity (Viva) (2 marks)
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1. Demonstrate the following commands in shell prompt and store the output with your explanation.

- a) `ps -A , -e, -el , eL -a , a -d r T x f -l`
- b) `nice`
- c) `renice`
- d) `top` and `ptree/ps tree`

2. Write a program to create multiple processes as per given process hierarchy graph. Parent process should be alive till any of the child process is alive.

Hint: try to perform generation of Fibonacci series in parent process and even number generation in child-1 and odd number generation in child-2.(Minimum two child process should be created)