

CL 2006 Operating Systems Lab

Time: 20 minutes

Quiz 1

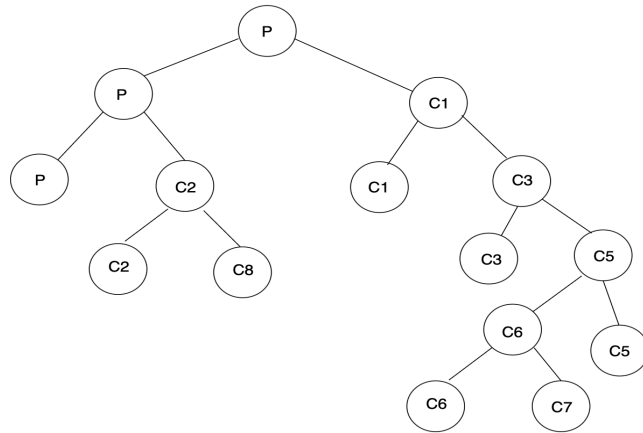
Marks: 20

Name: _____

Roll #: _____

Question 1 [5 Marks]

Write a C/C++ code that creates the following process hierarchy.



Question 2 [15 Marks]

Draw the process hierarchy tree of the following code. Also, write the output that each process is displaying.

```
#include <iostream>
#include<unistd.h>
using namespace std;

int main() {
    if ((fork() && !fork()) || !fork()) {
        cout << "Forks are extremely hard " << endl;
        if(!fork()) {
            cout << "This quiz is extremely hard " << endl;
        }
        cout << "Hello" << endl;
    }
    return 0;
}
```