Government College University, Lahore

Operating Systems Lab

Exam Syllabus:

- o   Linux commands studied in the lab

- o   Command line arguments

- o   System calls (fork, wait, exit, exec, stat)

- o   File Handling (open, close, read, write, append)

- o   Process creation and IPC via shared memory

- o   Producer-Consumer Problem

- o   Multithreading, race condition, semaphore

- o   File permissions

- o   FCFS Scheduling

Details About the Paper:

- o   Written paper of 30 marks

- o   Total 6 questions, attempt any 5

- o   Each question could be a single programing question or divided into sub tasks

- o   Each question will be of 6 marks total

- o   Time duration 90 minutes

- o   20 marks of assignments

- o   30 marks of lab exam

Important Instructions:

Please study all the slides uploaded to google drive. Download updated slides.

No need to memorize the theory given in the following slides:

1. (Linux commands) slide 1 to 54.
2. (Stat system call) slide 1 to 9.
3. (IPC Shared memory) slide 5 to 17.

Practice all the commands and all the code. Everything is uploaded to Google drive. If you still find something missing, you can contact me at this email. tayybafatimah@gmail.com.