

Name: _____

Student ID #: _____

Quiz #1

COMP 3000B: Operating Systems

January 17, 2006

You have 10 minutes to answer the following questions. Please circle the letter of the most appropriate answer. When you are finished, you may turn in your quiz and leave.

1. To make a file read-only in UNIX, you run which command?
 - (a) chown
 - (b) **chmod**
 - (c) touch
 - (d) ls
2. System calls must be used (directly or indirectly) to:
 - (a) increase the size of a process's memory heap
 - (b) read a file
 - (c) create a window on the screen
 - (d) **All of the above**
3. An OS that is based upon a microkernel architecture will typically:
 - (a) **have most device drivers and filesystem code run within separate userspace processes**
 - (b) have most OS code run in CPU supervisor mode
 - (c) support loadable kernel modules
 - (d) All of the above
4. A typical executing application is best described as a:
 - (a) kernel
 - (b) **process**
 - (c) thread
 - (d) system call
5. When a running program X requests data from a file F whose contents are on disk, the OS will:
 - (a) save X's current state
 - (b) schedule a disk request for F's data blocks
 - (c) load the state of another ready-to-run program Y (which may be X)
 - (d) **All of the above**