

Quiz 3

BASICS OF COMPUTING
(CSCE 101, SPRING 2007)
URL: <http://my.unl.edu>
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(20 points)

Name :
Course No : **CSCE101**

1 Part I: Matching and Multiple Choice (2 point each)

1. A program in execution is a:
 - (a) time slice
 - (b) process
 - (c) semaphore
 - (d) job
 - (e) program
2. The condition that occurs when two or more processes are competing for resources in such a way that none of them can continue executing is called:
 - (a) A critical region
 - (b) semaphore
 - (c) deadlock
 - (d) a race condition
 - (e) a halt
3. A set of operations that can be executed without an interrupt are _____ operations :
 - (a) flagged
 - (b) atomic
 - (c) uninterruptable
 - (d) semaphore
 - (e) spooling
4. When RAM is full, a new _____ is swapped into RAM from Virtual Memory when a new program is opened.
 - (a) chunk
 - (b) page
 - (c) piece
 - (d) frame
 - (e) segment

2 Part II: Short Answer

5. (4 points) Name the two classifications of software, and give an example of each.
6. (3 points) Name three of the four Operating System processing models.
7. (5 points) Draw a line from the kernel component to either: (1) it's associated data structure or (2) it's specific task.

Component	Task/Data Structure
Device Drivers	Virtual Memory
Scheduler	Process Switching
Dispatcher	Process Table
File Manager	Process State
Memory Manager	File Descriptor
	NONE