Module 4 (Lectures 16-20) Processes

1. If a computer system has one processor, then the maximum number of processes (including both user and system processes) that can be in state RUNNING at any time instant is
    a) 1
    b) 2
    c) no more than 1 user process, but any number of system processes
    d) any number of both user and system processes
2. A context switch is said to occur when
    a) a program executes a function call
    b) a program executes either a function call or return
    c) the operating system creates a new process
    d) the operating system changes the running process
3. The Round Robin process scheduling policy is a
    a) preemptive policy that maintains a first-in-first-out queue of ready processes
    b) preemptive policy that maintains a last-in-first-out queue of ready processes
    c) non-preemptive policy that maintains a first-in-first-out queue of ready processes
    d) non-preemptive policy that maintains a last-in-first-out queue of ready processes
4. Which of the following is not an example of an exception?
    a) Page fault
    b) Timer interrupt
    c) Cache miss
    d) System call
5. Which of the following does not correspond to the amount of time that you have to wait for your program to finish executing?
    a) process elapsed time
    b) process virtual time
    c) process real time
    d) process wallclock time