

1. There are two mechanisms for scheduling. Select them below

- a. Preemptive and non-preemptive
- b. Round-Robin and FIFO
- c. Shortest Job First and Shortest Remaining Time Next
- d. none of the above

2. A job is in the ready queue if it

- a. Has all resources to execute
- b. Has all resources to execute, except CPU
- c. Is waiting for IO
- d. Is waiting for an interrupt

3. A quantum is an interval of time that a process is allowed to execute. It is implemented in the

- a. OS kernel
- b. Interrupt Handler
- c. timer Interrupt Service Routine
- d. all of the above

*a or b are ok (the ISR/IH is the kernel)*

4. Preemption is done in by the kernel

- a. after the quantum expired
- b. when a process requests IO
- c. when a process gives up the CPU voluntarily
- d. when a process terminates

5. A multi-level queue with aging

- a. is a fair scheduling policy
- b. may cause starvation of some processes
- c. favors long jobs
- d. all of the above

6. Forking a process causes

- a. a new PCB to be added to the ready queue parent
- b. a new process to start running immediately parent
- c. sharing the entire address space of the parent
- d. no sharing of the address space of the parent

*The answer is in the book*