Q11

Due Feb 16 at 11:59pm **Points** 5 **Questions** 5 **Time Limit** None
Allowed Attempts 2

Instructions

This quiz is based on content from Set 11 on Scheduler Basics

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	242 minutes	5 out of 5

Score for this attempt: **5** out of 5
Submitted Feb 16 at 2:15pm
This attempt took 242 minutes.

Question 1 — 1 / 1 pts

CPU scheduling decisions may take place under which of the following scenarios:

1. When a process transitions from RUNNING state to READY state
2. When a process transitions from RUNNING state to EXIT (or terminated) state
3. When a process transitions from BLOCKED state to READY state
4. When a process transitions from RUNNING state to BLOCKED state

- 2 and 4 above
- 1 and 3 above

Correct!

- (●) 1, 2, 3, 4 above
- ( ) None of the above

Question 2

1 / 1 pts

Under non-preemptive scheduling, once a process has the CPU, it will keep the CPU until

1. it transitions to the TERMINATED state
2. it transitions to the BLOCKED state
3. it transitions to the READY state
4. the timer expires

- ( ) 1, 2, 3, 4 above

Correct!

- (●) 1 and 2 above
- ( ) 3 and 4 above
- ( ) 1, 2, 3, and 4 above

Question 3

1 / 1 pts

An I/O bound process typically has

Correct!

- (●) many short CPU bursts
- ( ) many long CPU bursts
- ( ) few short I/O bursts

Question 4

1 / 1 pts

Whenever the CPU becomes idle, the scheduler must select a process from which queue to be selected for execution?

- BLOCKED queue(s)
- READY queue

Correct!

- PROCESS queue

Question 5

1 / 1 pts

For short-term aka CPU Scheduler which of the following answers apply:

1. the scheduler will select a process from among those that are ready to RUN
2. the scheduler will select a program from persistent storage (e.g. disk) and loads it into the memory
3. the scheduler must execute much less frequently
4. the scheduler must select a process for the CPU frequently

- 1, 2, 3, 4 above
- 1 and 3 above

Correct!

- 1 and 4 above
- 2 and 3 above

Quiz Score: **5** out of 5