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Part I. Multiple-Choice Questions: Choose the answer that best applies.

Question 1 (2 points)   ✓ *Saved*

A _____ uses an existing thread — rather than creating a new one — to complete a task.

- ○ remote procedure call (RPC)
- ○ lightweight process
- ○ scheduler activation
- ⦿ thread pool

Question 2 (2 points)   ✓ *Saved*

How many arguments does the fork system call take?

- ⦿ 0
- ○ 1
- ○ 2
- ○ 3

Question 3 (2 points)   ✓ *Saved*

_____ involves distributing tasks across multiple computing cores.

- ○ Concurrency
- ⦿ Task parallelism
- ○ Data parallelism
- ○ Parallelism

Question 4 (2 points) ✓ *Saved*

In what way is an operating system like a government?

○ It seldom functions correctly.

⦿ It creates an environment within which other programs can do useful work.

○ It performs most useful functions by itself.

○ It is always concerned primarily with the individual's needs.

Question 5 (2 points) ✓ *Saved*

What are some other terms for kernel mode?

○ supervisor mode

○ monitor mode

○ privileged mode

⦿ All of the above

Question 6 (2 points) ✓ *Saved*

____ is the number of processes that are completed per time unit.

○ Turnaround time

⦿ Throughput

○ CPU utilization

○ Response time

Question 7 (2 points) ✓ *Saved*