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Quiz 01 Questions

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Multiple Choice


1.0/1.0 point (graded)

During the execution of a process, if another process causes context switching through a system call. Then, in which state will the previous process stay?

☐ New☒ Ready☐ Running☐ Waiting☐ Termination[Submit](#)

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Multiple Choice


0.0/1.0 point (graded)

Which of the following statements is false?

☐ The bootstrap program loads the operating system kernel to memory from disk.☐ The bootstrap program starts the operating system.☐ The bootstrap program is located in a specific location of the hard-disk. ✓☒ The bootstrap program is not a part of the operating system.[Submit](#)

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Multiple Choice

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Rahim opens a browser on his computer and plays his favorite cat video. At the same time, he also opens Spotify to listen to his Ed Sheeran song. His single core processor switches between these processes so that Rahim can interact with both these jobs. What type of system is this?

☐ Distributed Systems☒ Multi-programmed Systems☐ Time Sharing Systems ✓☐ Real Time Systems

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Multiple Choice

1.0/1.0 point (graded)

Imagine you want a system that works with non-interactive processes using limited memory, and high CPU utilisation is not necessary. Which of the following is most suited for you?

☒ Simple Batch Systems

☐ Multiprogrammed OS Systems

☐ Time-Sharing OS Systems

☐ Multiprocessor Systems



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Multiple Choice

0.0/1.0 point (graded)

Rifat wants to execute 18 processes using his personal computer that is running in a dual core processor. In order to do that, Rifat assigned 9 tasks to core 1 of his PC, and other 9 tasks to core 2 of his PC. Which kind of operating system (OS) concepts is/are using to complete the task in his computer?

☐ Multi-tasking OS

☒ Multi-processing OS

☐ Both ✓

☐ None of the above



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0.0/2.0 points (graded)

Select all the statements that are true.

☒ Traps are software generated ✓

☒ Interrupts are hardware generated ✓

☐ Modern OS systems are trap driven

☐ Division by zero is an example of a trap ✓

☒ Exceptions and traps are the same ✓



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0.0/2.0 points (graded)

Which of the following statements is/are False?

☐ Cache is faster than RAM.

☐ During booting kernel stores in RAM to run the PC.

☒ No program can run without storing it on ROM. ✓

☒ Hardware coding is known as firmware.

☐ Long-term scheduler works between ready to running states. ✓

✗

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2.0/2.0 points (graded)

Which of the following statements is/are False?

☐ Multi-tasking systems provide continuous user interaction

☒ Batch systems require CPU scheduling

☐ The resource distribution makes the system distributed

☒ The network distribution makes the system distributed

☐ None of the above

✓

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2.0/2.0 points (graded)

Which of the following statements is/are True?

☐ Without Cache a computer system will not be able to run.

☒ Cache requires faster execution of an OS.

☐ Cache is less faster than Random Access Memory.

☒ Time-sharing environment provides a more responsive OS than a multi-processing environment.

☐ None of the above

✓

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1.5/2.0 points (graded)

Which of the following happens during a Context switch?

☒ An interrupt or system call is executed *

☒ Currently executing process is stored in Process Control Block *

☐ Next process is restored from Process Control Block ✓

☐ Kernel is restarted



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