

Question 1

Correct

1.00 points out of 1.00

Flag question

Pretend a computer dual-boots Mac OSX and some distribution of Linux. Let us say you wrote a small C command line program in Linux and compiled it using a C compiler that came with your Linux distribution. You decided to copy this compiled program to your Mac OSX drive, and you reboot into Mac OSX. You then try to execute the program. It doesn't work. Why?

Select one:

- ☐ a. The assembly instructions used by Linux are different than those used by Mac OSX
- ☒ b. The A.B.I. is different between Linux and Mac OSX ✓

Your answer is correct.

The correct answer is: The A.B.I. is different between Linux and Mac OSX

Question 2

Partially correct

0.50 points out of 1.00

Flag question

Which of the following operating systems utilized cooperative multitasking?

Select one or more:

- ☒ a. Windows 95 ✗
- ☐ b. Mac OSX
- ☐ c. Windows 3.11
- ☒ d. Mac OS 9 ✓

Your answer is partially correct.


You have correctly selected 1.

The correct answer is: Mac OS 9, Windows 3.11

Question 3

Correct

1.00 points out of 1.00

 Flag question

Select which operating system has a monolithic kernel:

Select one:

- ☐ a. Windows 10
- ☐ b. Mac OSX
- ☒ c. Linux ✓
- ☐ d. Windows 3.11


Your answer is correct.

The correct answer is: Linux

Question 4

Correct

1.00 points out of 1.00

 Flag question

What methods are acceptable for passing parameters to a syscall?

Select one or more:


- ☐ a. Interprocess communication
- ☒ b. Stack ✓
- ☒ c. Parameters stored in memory and the address is passed by storing it in a register ✓
- ☒ d. Register(s) ✓

Your answer is correct.

The correct answer is: Stack, Register(s), Parameters stored in memory and the address is passed by storing it in a register

Question 5

Correct

1.00 points out of
1.00 Flag question

Which of the following is NOT a form of secondary storage:

Select one:


- ☐ a. Flash memory drive
- ☐ b. Magnetic hard drive
- ☒ c. R.A.M. ✓
- ☐ d. Cassette tape

Your answer is correct.

The correct answer is: R.A.M.

Question 6

Correct

1.00 points out of
1.00 Flag question

What is said to occur when the kernel stops executing one process, and then allows a different process to execute?

Answer: ✓

The correct answer is: contextswitch

Question 7

Incorrect

0.00 points out of
1.00

🚩 Flag question

Intel x86 architecture supports how many privilege rings?

Answer: ❌

The correct answer is: 4

Question 8

Correct

1.00 points out of
1.00

🚩 Flag question


What occurs when an application attempts to access memory at an address in a page that has yet to be allocated by the kernel?

Answer: ✅

The correct answer is: pagefault

Question 9

Correct

1.00 points out of
1.00 Flag question

When an application in "user mode" makes a syscall, the application briefly runs in "privileged mode".

Select one:


☐ True☒ False ✓

Correct.

The correct answer is 'False'.

Question 10

Correct

1.00 points out of
1.00 Flag question

A trap is also known as a software interrupt.

Select one:

☒ True ✓☐ False

Correct.

The correct answer is 'True'.