System Initialization
Quiz, 5 questions

5/5 points (100%)

✓ **Congratulations! You passed!**

<div style="border:1px solid">Next Item</div>

✓ 1 / 1 point

1.

What is the proper order of system initialization stages on most x86-based systems?

○ **init (PID 1) -> BIOS -> GRUB**

○ **GRUB -> BIOS -> init (PID 1)**

◉ **BIOS -> GRUB -> init (PID 1)**

Correct
The system starts with BIOS, then moves to GRUB, and then starts first user process, init.

✓ 1 / 1 point

2.

Which files need to be in the **/boot** directory for the system to boot up (select all that apply)?

☐ **config**

Un-selected is correct

☐ **vmlinuz**

Correct
This is the compressed Linux kernel.

☐ **initramfs**

Correct
This is the initial ram filesystem, which contains essential drivers for hardware and filesystems.

☐ **System.map**

Un-selected is correct

✓ 1 / 1 point

3.

Using GRUB lets you (Select all correct answers):

☐ Choose between operating systems or different Linux distributions

Correct
One can have a multiple boot system, with multiple versions of Linux, Microsoft Windows, etc

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☑ Choose which Linux kernel to user for boot

Correct
One can either have different options in the menu, or add one at run time

☐ Choose various options for booting up the system

Correct
One can change many parameters that the system starts with

✓ 1 / 1 point

4.
Select the order in which the following system initialization methods were introduced:

◯ systemd -> SysVinit -> Upstart

◯ SysVinit -> systemd -> Upstart

◉ SysVinit -> Upstart -> systemd

Correct
SysVinit goes back many years and systemd is the most recent

✓ 1 / 1 point

5.
Which runlevel is multiple user with no graphical desktop?

◉ 3

Correct
Runlevel 3 is multiple user with network, but only text login

◯ 1

◯ 5

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