

BIOS Review

1. BIOS stands for _____.
2. In older computers, to update the BIOS we must replace the BIOS chip. These types of integrated circuits are called _____.
3. Put the sequence to update the BIOS in order.
4. What computer term represents that we electrically update the computer BIOS by running a BIOS update program?
5. Roberta wants her technicians to load the Windows 7 Professional from the DVD on a regular schedule. This is the majority of her systems. She also wants the systems to normally boot from C drive. Some of the same machines will be loaded with a Fedora USB thumb drive. What would be the best boot sequence for these computers?
6. When completing a computer inventory, where can we obtain the data for motherboard, memory and expansion slots?
7. Frank wants to load the Windows 7 Professional operating system through the computer network using a Windows Deployment Server. What Network Interface Card (NIC) BIOS setting will we set?
8. The time and date for a client computer needs to be within a few minutes of the server. Marsha wants to update the Time / Date setting in the BIOS on a computer where she just did services. When will the change take affect?
9. The first SATA drive is listed in the BIOS settings as _____.
10. The majority of modern motherboards come with a VGA video port and video controller. Many motherboards also come with PCI Express expansion ports for advanced graphics cards. What BIOS setting would Chris set for the video?
11. Many corporate computer systems need their data protected so we place password on the BIOS and System. Which password can be reset using the CMOS reset jumper?
12. State as many methods that the LAN manager may use in computer BIOS settings that allow the computer to boot.
13. Tonya inspects a school computer that has a 4 gigabyte stick of RAM missing from the motherboard. She checks the maintenance database to see if another technician did services on the machine and noted the change in the amount of RAM. The machine should still have 8 gigabytes. So she checks what BIOS setting to continue her investigation?

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14. Are motherboards the only Personal Computer (PC) devices that have a BIOS chip?
15. We are having an issue with the computer fans running all of the time at maximum and Jenny remembers that our new computers have an extra wire for speed control. What BIOS setting would we change to allow the fans to run when needed or slow when the system is not as hot?
16. What BIOS setting will allow the computer technician to change the motherboard from x86 to x64 operation?
17. When the computer senses electricity after a power outage, what BIOS setting would reboot the computer?
18. Do we require a disk image for a PXE boot for every type of computer and operating system since software and equipment drivers are different?
19. Is it true that a BIOS update incorrectly attempted can result in a computer that does not start?
20. As a network department, we have forgotten the BIOS administrative password for the accounting computers. What alternatives do we have when working with these machines?