IT Essentials (ITE v6.0) Chapter 3 Exam Answers 100% 2016

1. **When a computer is being assembled, which action can be taken to help eliminate cable clutter within a computer case?**

o   Install a CPU without using a heat sink and fan assembly.
o   Install a 2.5in HDD instead of a 3.5in HDD.
o   Install a modular power supply.
o   Install a motherboard without using standoffs in the case.

2. **What is the best way to apply thermal compound when reseating a CPU?**

o   Clean the CPU and the base of the heat sink with isopropyl alcohol before applying the thermal compound.
o   Use rubbing alcohol to clean the base of the heat sink before applying thermal compound.
o   Scrape off the old thermal compound on the heat sink with a sharp knife and apply the thermal compound liberally.
o   Put a thick layer of thermal compound over the existing thermal compound before reseating the CPU.
o   Change the base of the heat sink before applying the thermal compound.

3. **A technician is installing additional memory in a computer. How can the technician guarantee that the memory is correctly aligned?**

o   The label on the memory module should always face the CPU.
o   A notch in the memory module should be aligned with a notch in the memory slot.
o   The arrows on the memory module should be aligned with the arrows on the motherboard slot.
o   Memory slots are color coded, with one end red and one end blue.

4. **What is used to prevent the motherboard from touching metal portions of the computer case?**

o   an I/O shield
o   thermal compound
o   standoffs
o   ZIF sockets

5. **Which statement describes the purpose of an I/O connector plate?**

- o **It makes the I/O ports of the motherboard available for connection in a variety of computer cases.**
- o It plugs into the motherboard and expands the number of available slots for adapter cards.
- o It provides multiple connections for SATA hard drives to connect to the motherboard.
- o It connects the PCIe adapter slots used for video directly to the CPU for faster processing.

6. **What are three important considerations when installing a CPU on a motherboard? (Choose three.)**

- o **Antistatic precautions are taken.**
- o **The CPU is correctly aligned and placed in the socket.**
- o The CPU contacts are first cleaned with isopropyl alcohol.
- o **The CPU heat sink and fan assembly are correctly installed.**
- o The CMOS EPROM battery is removed prior to installing the CPU.
- o Maximum insertion force is applied to the load lever so the CPU is locked in place.

7. **Which type of drive is typically installed in a 5.25 inch (13.34 cm) bay?**

- o hard drive
- o **optical drive**
- o flash drive
- o SSD

8. **Which type of motherboard expansion slot has four types ranging from x1 to x16 with each type having a different length of expansion slot?**

- o **PCIe**
- o AGP
- o SATA
- o PCI

9. **A technician is installing a new high-end video adapter card into an expansion slot on a motherboard. What may be needed to operate this video adapter card?**

- o PCI expansion slot
- o PCIe x 8 expansion slot
- o **Two 8-pin power connectors**
- o 24-pin ATX power connector

10. **When assembling a PC, how is pin 1 identified on the front panel cables so that it can be aligned properly with pin 1 on the motherboard panel connector?**

o   by a small arrow or notch
o   by a plus sign
o   by a P1
o   by a red cable

11. **A technician has just finished assembling a new computer. When the computer is powered up for the first time, the POST discovers a problem. How does the POST indicate the error?**

o   It issues a number of short beeps.
o   The LED on the front of the computer case flashes a number of times.
o   It places an error message in the BIOS.
o   It locks the keyboard.

12. **What is a function of the BIOS?**

o   enables a computer to connect to a network
o   provides temporary data storage for the CPU
o   performs a check on all internal components
o   provides graphic capabilities for games and applications

13. **A technician has assembled a new computer and must now configure the BIOS. At which point must a key be pressed to start the BIOS setup program?**

o   before the computer is powered on
o   during the Windows load process
o   during the POST
o   after the POST, but before Windows starts to load

14. **What data is stored in the CMOS memory chip?**

o   BIOS settings
o   Windows configuration settings
o   user login information
o   device drivers

15. **What is the purpose of LoJack?**

o   It allows the owner of a device to remotely locate, lock, or delete all files from the device.
o   It ensures that a computer will only boot an operating system that is trusted by the motherboard manufacturer.
o   It provides passwords for different levels of access to the BIOS.
o   It encrypts data on hard drives to prevent access without the correct password.

16. **Which is a BIOS security feature that can prevent data from being read from a hard drive even if the hard drive is moved to another computer?**

o drive encryption
o RAID
o secure boot
o BIOS passwords

17. **What is one purpose of adjusting the clock speed within the BIOS configuration settings?**

o to allow a computer to run multiple operating systems in files or partitions
o to change the order of the bootable partitions
o to disable devices that are not needed or used by the computer
o to allow the computer to run slower and cooler

18. **A technician is assembling a new computer. Which two components are often easier to install before mounting the motherboard in the case? (Choose two.)**

o CPU
o memory
o NIC
o sound card
o video card

19. **Which two components are commonly replaced when a computer system with a newer motherboard is being upgraded? (Choose two.)**

o RAM
o hard disk drive
o CPU
o optical drive
o CMOS battery
o adapter card

20. **A user reports that every morning when a particular computer is turned on, the configuration settings on that computer have to be reset. What action should be taken to remedy this situation?**

o Replace the motherboard.
o Replace the CMOS battery.
o Move the jumpers,
o Upgrade the BIOS.

21. **What are two reasons for installing a second hard disk drive inside an existing computer? (Choose two.)**

o   to support a RAID array
o   to store BIOS configuration settings
o   to store the system swap file
o   to increase CPU speed
o   to allow access to a secondary display output

22. **When should a technician use unsigned drivers for newly installed computer hardware?**

o   if the unsigned driver is the most current driver available
o   if the original installation media is not available
o   if the source of the drivers is trusted by the technician
o   if the Windows installation media does not contain a valid signed driver

23. **What computer component is often required to allow a single computer to use two monitors simultaneously?**

o   an extra power supply
o   a second video adapter card
o   an extra USB connection
o   a KVM switch

24. **A technician notices that half of the memory slots on a motherboard are colored differently from the other half. Which technology is probably implemented on this system?**

o   virtualization
o   ECC
o   dual channeling
o   double-sided