IT Exams

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CompTIA IT Fundamentals v6.0 (FC0-U51)

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Question 231 (Topic 3)

Which of the following types of batteries are considered as environmental hazards?
Each correct answer represents a complete solution. Choose three.

A. Button cell
B. Lead-acid
C. NiMH
D. NiCd

Expose Correct Answer

Answer : **A,B,D**

Explanation: The following types of batteries are considered as environmental hazards:
Nickel cadmium (NiCd) Lead-acid Button cell Nickel cadmium (NiCd) batteries contain
nickel and cadmium. Cadmium is highly toxic. Lead-acid batteries contain lead that is
considered as environmental hazard. Button cell batteries contain mercury that is
considered as environmental hazard. Answer option C is incorrect. Nickel metal hydride
(NiMH) batteries are not considered as environmental hazards. Reference:
"http://en.wikipedia.org/wiki/Battery_(electricity)"

Next Question

Question 232 (Topic 3)

Which of the following internal busses are used for expansion cards?
Each correct answer represents a complete solution. Choose all that apply.

A. PCI

B. SATA

C. PCI Express

D. ISA

Answer : **A,C,D**

Explanation: The following internal busses are used for expansion cards: PCI Express PCI ISA What is PCI Express (PCIe)? PCI Express (PCIe), also known as 3rd Generation I/O (3GIO), is a type of computer bus. It is a new I/O bus technology that has more bandwidth than PCI and AGP slots. It uses two low voltage differential pairs, at 2.5Gb/s in each direction. It is designed to replace PCI and AGP expansion slots. The bus is available in several different bus widths: x1, x2, x4, x8, x12, x16, and x32. PCIe is able to transfer data in both directions at a time. PCIe hardware will work on operating systems that support PCI. What is a PCI bus? Peripheral Component Interconnect (PCI) is a high-performance, 32-bit or 64-bit bus designed to be used with devices that have high bandwidth requirements, such as the display subsystem. What is an ISA bus? Industry Standard Architecture (ISA) is an 8-bit expansion bus that provides an interface from devices on expansion cards to the computer's internal bus. A later version of ISA bus comes with a 16-bit expansion slot. Answer option B is incorrect. SATA is used for hard disk drive and CD/DVD drives. What is SATA? The Serial ATA (SATA) computer bus is a storage-interface for connecting host bus adapters to mass storage devices such as hard disk drives and optical drives. SATA offers several compelling advantages over the older parallel ATA (PATA) interface, such as reduced cable-bulk and cost, faster and more efficient data transfer, full duplex, and hot swapping. It is designed to replace the older ATA (AT Attachment) standard (Parallel ATA). All SATA devices support hot plugging and hot swapping. SATA supports Native Command Queuing (NCQ) for enhanced performance. Reference: "http://en.wikipedia.org/wiki/Computer_hardware"

Next Question

Question 233 (Topic 3)

Which of the following statements is true about the installation of Universal Serial Bus (USB) devices?

A. A USB device can be plugged to a computer without restarting it.

B. A computer has to be restarted to install a USB device.

C. USB devices are non-Plug and Play.

D. Software drivers are not required for USB devices.

Explanation: Universal Serial Bus (USB) is a high speed bus standard developed by Compaq, IBM, DEC, Intel, Microsoft, NEC, and Northern Telecom. It provides the Plug and Play capability of Windows to external hardware devices. USB supports hot plugging, which means that a USB device can be installed or removed while the computer is running. A single USB port can be used to connect up to 127 peripheral devices, such as CD-ROM drives, tape drives, keyboards, scanners etc. USB 1.1 has a maximum data transfer rate of 12 Mbps, whereas USB 2.0 has a maximum data transfer rate of 480 Mbps. USB 2.0 is fully backward compatible with USB 1.1. Answer option D is incorrect. Software drivers are required for USB devices. It is possible, though, that the drivers for your USB devices are already available on the computer. In this case, you do not need to provide a device driver separately. Answer option B is incorrect. It is not required to restart the computer to install USB devices. Reference: TechNet, Contents: "Universal Serial Bus Support for Windows CE"

Next Question

Question 234 (Topic 3)

Your customer is using Windows Vista and complains about the quality of picture he is getting on his monitor. You find that you cannot adjust the refresh rate or the resolution. What is the most likely cause?

A. The video card is not recognized by Windows.

B. The monitor is not compatible with the video card.

C. The video card has failed.

D. The video card does not have enough video RAM.

Expose Correct Answer

Answer : **A**

Explanation: When Windows does not recognize the video card, it gives a set of simplified default settings for refresh rate, resolution, etc. Answer option B is incorrect. As long as

Question 235 (Topic 3)

Which of the following slots on a motherboard are best for a video card?
Each correct answer represents a complete solution. Choose two.

A. PCIe
B. PCI
C. AGP
D. EISA

Expose Correct Answer

Answer : **A,C**

Explanation: AGP and PCIe are the best slots for a video card. PCI Express (PCIe), also known as 3rd Generation I/O (3GIO), is a type of computer bus. It is a new I/O bus technology that has more bandwidth than PCI and AGP slots. It uses two low-voltage differential pairs, at 2.5Gb/s in each direction. It is designed to replace PCI and AGP expansion slots. The bus is available in several different bus widths: x1, x2, x4, x8, x12, x16, and x32. PCIe is able to transfer data in both directions at a time. PCIe hardware will work on operating systems that support PCI. AGP is a high speed 32-bit bus designed for high performance graphics and video support. It allows a video card to have direct access to a computer's RAM, which enables fast video performance. AGP provides a bandwidth of up to 2,133 MB/second. Answer option D is incorrect. The Extended Industry Standard Architecture (EISA) is a 32- bit PC expansion bus designed as a superset of a 16-bit ISA bus. The EISA bus is designed to increase the speed and expand the data width of the legacy expansion bus while still supporting older ISA cards. EISA slots are obsolete now. Answer option B is incorrect. PCIe and AGP slots are better than PCI slot for a video card. Reference: "http://en.wikipedia.org/wiki/PCI_Express", "http://en.wikipedia.org/wiki/Accelerated_Graphics_Port"

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