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QUESTION 1

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

Correct Answer: AC

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"

QUESTION 2

Which of the following types of SATA hard disk drives is used for the Desktop computers?

- A. 3.5 inches
- B. 6.2 inches
- C. 1.8 inches
- D. 2.5 inches



Correct Answer: A

The 3.5 inches SATA hard disk is used for the Desktop computers. 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.

Answer options C and D are incorrect. The 1.8 inches and 2.5 inches hard disk drives are used in laptops.

Answer option B is incorrect. There is no such size of SATA hard disk drive as 6.2 inches. Reference:
"http://en.wikipedia.org/wiki/Serial_ATA"

QUESTION 3

After initial OS and application installation on a laptop, an application warns that it will only work 24 more times. Which of the following should be done NEXT?

- A. The application has to be registered to the user.
- B. The application must be upgraded to a 64-bit version.
- C. The application must be activated.
- D. The application needs to be reinstalled.

Correct Answer: C

QUESTION 4

You need to select a laptop for a traveling salesman. He will really need to stretch the battery life as long as possible, so he wants low power options wherever possible.

Which type of monitor should you select?

- A. LCD
- B. CRT
- C. Active Matrix
- D. Passive Matrix

Correct Answer: D

Passive matrix LCD monitors use less power than active matrix, and are generally preferred for laptops when long battery life is the key concern. Answer option C is incorrect. An active matrix LCD uses more power than a passive matrix, but



gives a higher quality picture.

Answer option B is incorrect. Cathode Ray Tube monitors are legacy monitors that were once used on PC's.

Answer option A is incorrect. All laptops use LCD monitors. The question is whether or not one should select an active or passive matrix LCD.

What is Cathode Ray Tube (CRT)? Hide

Cathode Ray Tube (CRT) is a vacuum tube used as a display screen in a computer monitor or TV. The viewing end of the tube is coated with phosphors, which emit light when struck by electrons. CRT works by heating a cathode which

causes electrons to flow. Accelerating and focusing anodes turn the electrons into a fine beam that is directed to the phosphors by magnetic fields that are generated by steering coils. The viewing end of a color CRT tube is coated with red,

green and blue phosphor dots, and separate "electron guns" bombard their respective colors a line at a time in a prescribed sequence. The resulting color displayed on screen is determined by the intensity of the electron beams as they strike

the red, green and blue phosphors at that same pixel location.

QUESTION 5

Identify the FireWire 400 port in the image given below.

Hot Area:



Correct Answer:



Click on the correct spot in the image. Doing so will place the target icon at the dicked spot.



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