

CompTIA IT Fundamentals v6.0 (FC0-U51)

Page: 50 / 58

Total 286 questions



10 questions per page ▾

Question 246 (Topic 3)



You are selecting memory to put in to a laptop. Which of the following types of RAM chips would you most likely select?

- A. 144 PIN
- B. 72 PIN
- C. 240 PIN
- D. 184 PIN

[Expose Correct Answer](#)

Answer : **A**

Explanation: Both MicroDIMM and SO-DIMM come in a 144 pin configuration, and are used for laptops. What is SO-DIMM? Small Outline Dual Inline Memory Module (SO-DIMM) is a type of memory module that comes in 72 pins and 144 pins. The 72-pin SO-DIMM supports 32-bit transfers, and the 144-pin SO-DIMM supports 64-bit transfers. It was introduced for laptops. SO DIMMs come in smaller packages, consume lesser power, but are more expensive than DIMMs. Answer option B is incorrect. The 72-pin is a legacy chip used in PC's. Answer option D is incorrect. The 184-pin is used in DDR RAM in PC's. Answer option C is incorrect. The 240-pin is used in DDR2 and DDR3 RAM in PC's. What is DDR3 SDRAM? DDR3 SDRAM or double-data-rate three synchronous dynamic random access memory is a random access memory interface technology used for high bandwidth storage of the working data of a computer or other digital electronic devices. DDR3 is part of the SDRAM family of technologies and is one of the many DRAM implementations. DDR3 SDRAM is an improvement over its predecessor, DDR2 SDRAM, and the two are not compatible. The primary benefit of DDR3 is the ability to transfer at twice the data rate of DDR2, thus enabling higher bus rates and higher peak rates than earlier memory technologies. DDR3 memory power consumption is 30% less as compared to DDR2 modules. Reference: <http://en.wikipedia.org/wiki/SODIMM>

Question 247 (Topic 3)



Which of the following ports support hot swapping?
Each correct answer represents a complete solution. Choose two.

- A. USB
- B. Parallel
- C. Serial
- D. IEEE 1394

Expose Correct Answer

Answer : **A,D**

Explanation: USB and IEEE 1394 ports support hot swapping. What is USB? 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. What is IEEE 1394? Institute of Electrical and Electronics Engineers (IEEE) 1394 is a standard for high-speed serial bus that provides enhanced PC connectivity for a wide range of devices. These devices include consumer audiovisual components, traditional PC storage devices, and handheld devices. IEEE 1394 is also known as Firewire. Answer options C and B are incorrect. Serial and parallel ports do not support hot swapping or hot plugging.

Next Question

Question 248 (Topic 3)



Rick works as a Network Administrator for Company Inc. He takes a backup of some important compressed files on an NTFS partition, using the Windows 2000 Backup utility. Rick restores these files in a FAT32 partition. He finds that the restored files do not have the compression attribute.

What is the most likely cause?

- A.** The FAT32 partition is corrupt and requires to be reformatted.
- B.** A FAT32 partition does not support compression.
- C.** The Windows 2000 Backup utility decompresses compressed files while taking a backup.
- D.** The backup of files that are saved on an NTFS partition cannot be restored in a FAT32 partition.

Answer : **B**

Explanation: When a backup taken in an NTFS partition is restored in a FAT32 partition, the following file properties are retained. Long file names File attributes Encryption, permission, and compression are lost, as the FAT32 file system does not support these features. Answer option D is incorrect. A backup of files that are saved in an NTFS partition can be restored in a FAT32 partition. However, while doing so, only the properties that are exclusively supported by NTFS are not retained. Answer option A is incorrect. A corrupt partition cannot restore backup files. The question clearly states that the compression attribute is not retained. This indicates that the backup files are successfully restored. Therefore, a corrupt partition cannot be the most likely cause. Answer option C is incorrect. The Windows 2000 Backup utility can take a backup of compressed files in compressed mode.

Next Question

Question 249 (Topic 3)



Which of the following is a framework for defining reusable software components that perform a particular function or a set of functions in Microsoft Windows?

- A.** SSID
- B.** ActiveX
- C.** Cookies
- D.** JavaScript

a computer or among computers in a network, to reuse the functionality. Reusability of controls reduces development time of applications and improves program interfaces. They enhance the Web pages with formatting features and animation. ActiveX controls can be used in applications written in different programming languages that recognize Microsoft's Component Object Model (COM). These controls always run in a container. ActiveX controls simplify and automate the authoring tasks, display data, and add functionality to Web pages. Answer option D is incorrect. JavaScript is a simple, light weight, and dynamic World Wide Web (WWW) scripting language developed by Netscape Communications. The syntax of JavaScript resembles that of C++. JavaScript facilitates integration of HTML documents, Web components, and multimedia plug-ins. It also aids in the development of server-side Web applications. Answer option A is incorrect. SSID stands for Service Set Identifier. It is used to identify a wireless network. SSIDs are case sensitive text strings and have a maximum length of 32 characters. All wireless devices on a wireless network must have the same SSID in order to communicate with each other. Answer option C is incorrect. A cookie is a small bit of text that accompanies requests and pages as they move between Web servers and browsers. It contains information that is read by a Web application, whenever a user visits a site. Cookies are stored in the memory or hard disk of client computers. A Web site stores information, such as user preferences and settings in a cookie. This information helps in providing customized services to users. There is absolutely no way a Web server can access any private information about a user or his computer through cookies, unless a user provides the information. A Web server cannot access cookies created by other Web servers. Reference: "<http://en.wikipedia.org/wiki/ActiveX> "

Next Question

Question 250 (Topic 3)



Which of the following will you use to clean your laptop screen?
Each correct answer represents a complete solution. Choose two.

- A.** Detergent
- B.** Slightly wet and soft cloth
- C.** Rough cloth
- D.** LCD screen cleaner

screens. Answer option C is incorrect. Rough cloth should not be used to clean LCD screens. It will scratch the coating on an LCD screen. Reference:
"http://www.computerhope.com/cleaning.htm#91"

Next Question

Page: 50 / 58
Total 286 questions



10 questions per page ▾

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