

## CompTIA IT Fundamentals v6.0 (FC0-U51)

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## Question 271 ( Topic 3 )



Which of the following statements about the DVI-D connector are true?  
Each correct answer represents a complete solution. Choose three.

- A. It is used only for digital signal connections.
- B. Its single link connector contains 18 pins.
- C. It is used for both digital and analog signal connections.
- D. Its dual link connector contains 24 pins.

[Expose Correct Answer](#)

Answer : **A,B,D**

Explanation: The DVI-D is a type of DVI connector. This connector is used only for digital signal connections. DVI-D connectors come in dual and single links. The dual link connector contains 24 pins, whereas the single link connector comes with 18 pins. DVI stands for Digital Visual Interface. It is a standard for high speed, high resolution digital display invented by Digital Display Working Group (DDWG). DVI accommodates analog and digital interfaces with a single connector. New video cards have DVI as well as VGA ports built into them. Most of LCD monitors come with a 15-pin VGA connection cable, even if they are capable of handling digital signals coming from DVI connections. However, some monitors come with both types of cables. DVI has three main categories of connectors. They are: DVI-A, DVI-D, and DVI-I. DVI-A is an analog-only connector, DVI-D is a digital-only connector, and DVI-I is an analog/digital connector. DVI-D and DVI-I connectors are of two types: single link and dual link. DVI supports UXGA and HDTV with a single set of links. Higher resolutions such as 1920 x 1080, 2048 x 1536, or more can be supported with dual links. Answer option C is incorrect. The DVI-I connector supports both digital and analog signal connections. Reference:  
"http://en.wikipedia.org/wiki/DVI"

### Question 272 ( Topic 3 )



Which of the following types of batteries are used by toys and watches?

- A.** Silver oxide
- B.** Zinc-air
- C.** Lead-acid
- D.** Silver lead

Expose Correct Answer

Answer : **A**

Explanation: The Silver oxide batteries are used in toys and watches. These batteries can become highly hazardous at the end of their useful life. After a period of use (approximately five years), the batteries may begin to leak their contents which contain mercury, posing a serious health risk. Answer option C is incorrect. The Lead-acid batteries are used in Car, Golf Cart, UPS, Industrial Fork- Lift, Motorcycle, etc. Answer option B is incorrect. The Zinc-air batteries are used in hearing aids and in older cameras that previously used mercury batteries. Answer option D is incorrect. There is no such battery as Silver lead. Reference:

"[http://en.wikipedia.org/wiki/Battery\\_recycling#Types\\_of\\_batteries](http://en.wikipedia.org/wiki/Battery_recycling#Types_of_batteries)"

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### Question 273 ( Topic 3 )



Which of the following statements about a docking station are true?

Each correct answer represents a complete solution. Choose two.

- A.** It allows a laptop to connect to desktop I/O devices such as full-sized keyboards, CRT monitors, etc.
- B.** Docking station is also known as a workstation.
- C.** It is a large circuit board found in a computer on which a CPU is mounted.
- D.** It is a specialized case into which an entire laptop can be inserted.

designed for use with specific computer models. It is useful for a user who wants to maintain only one computer system and avoid transferring information between two computers. With a docking port and a well-equipped laptop, a user can get the environment of both a laptop and a desktop computer. Answer option C is incorrect. A motherboard is a large circuit board found in a computer on which a CPU is mounted. Answer option B is incorrect. A workstation is a computer in a network from where a user works.

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### Question 274 ( Topic 3 )



Your Windows XP hard drive has 2 partitions. The system partition is NTFS and the other is FAT. You wish to encrypt a folder created on the system partition for the purpose of data security. Which of the following statements is true about this situation?

- A.** Since the operating system is on the NTFS partition, you can encrypt files on both.
- B.** You can only encrypt files on the FAT partition.
- C.** You can only encrypt files on the NTFS partition.
- D.** You cannot encrypt files on either partition.

Expose Correct Answer

Answer : **C**

Explanation: NTFS supports file encryption and you can only encrypt files on an NTFS partition. What is NTFS? NTFS is an advanced file system designed for use specifically in Windows NT, Windows 2000/2003, and Windows XP operating systems. It supports file system recovery, large storage media, long file names, and other features. NTFS offers features such as disk quotas, distributed link tracking, compression, and mounted drives. NTFS also offers security features, such as encryption and file and folder permissions. These features are not available on FAT volumes. Answer option A is incorrect. The fact that your operating system is on an NTFS partition does not change the fact that only NTFS partitions support encryption. Answer option B is incorrect. FAT does not support encryption.

## Question 275 ( Topic 3 )



NO: 247

Under which environmental conditions is the risk of Electrostatic discharge (ESD) the highest?

- A. Low temperature
- B. High humidity
- C. Low humidity
- D. High temperature

Expose Correct Answer

Answer : **C**

Explanation: Low humidity increases the risk of Electrostatic discharge (ESD). Dry air is a poor conductor of electricity and it increases the risk of ESD. Humidity reduces the risk ESD because water molecules carry static electric charge away. Clothing, footwear, and flooring material are important considerations in evaluating the potential for ESD. To reduce the risk of ESD, you should take the following precautions while installing new hardware: Work on a tile floor instead of carpeting. Remove your shoes, if possible, and roll up your shirt's sleeves. If you set the component down, do not let the component touch the table before your hand touches the table. What is ESD? ESD stands for Electrostatic discharge. The static electricity that we generate everyday creates ESD. If you walk across a carpet and touch someone, you experience a mild shock. Electrostatic discharge occurs when the electrostatic charge is transferred from one charged entity to another entity sensitive to that charge. components. A wrist strap is a wire with a watchband-style strap at one end and a plug or clip on the other end. The wrist strap plug or clip is connected to the ground or to the piece of equipment being worked on.

Next Question



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