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QUESTION 1

Which of the following connectors supports both high definition video and audio?

- A. S-video
- B. Component
- C. HDMI
- D. DVI

Correct Answer: C

QUESTION 2

Which of the following computer connector types was designed specifically for allowing high-speed external hard drive transfers?

- A. DVI
- B. USB
- C. eSATA
- D. HDMI

Correct Answer: C

QUESTION 3

Which of the following statements about Bluetooth are true?

Each correct answer represents a complete solution. Choose two.

- A. It forms a network whenever two Bluetooth devices come within a range of ten meters.
- B. It has a maximum transmission range of 200 meters.
- C. It does not require a line-of-sight connection between devices.
- D. It requires a line-of-sight connection between devices.

Correct Answer: AC

Bluetooth is a standard for very low powered and short-range radio connections. As a radio technology, it does not require a line-of-sight connection as an infrared connection does. Bluetooth is used to link Personal Digital Assistant (PDA),

mobile phones, and laptops, and provides them with Internet access via hot spots. It uses the 2.4 Ghz spectrums with a data transfer rate of about 1



Mbps. Bluetooth networks are not permanent as compared to other networks where a central communication point is needed such as a hub or a router. A Bluetooth network can be formed when two Bluetooth devices are within a range of ten

meters, enabling them to communicate directly with each other. This dynamically created network is known as a piconet. A Bluetooth-enabled device can support up to seven other Bluetooth devices in a master-slave relationship; the first

Bluetooth device is the master, and all the other devices are slaves that communicate with the master in one piconet. The maximum transmission range of Bluetooth is around 10 meters.

Answer option D is incorrect. The infrared devices require a line-of-sight connection between devices.

Answer option B is incorrect. The maximum transmission range of Bluetooth is around 10 meters.

Reference: "<http://www.bluetooth.com/bluetooth/>"

QUESTION 4

Which of the following actions can a technician take to reduce the chances of static charges being built up? Each correct answer represents a complete solution. Choose three.

- A. Wear silken clothes.
- B. Do not wear wrist strap.
- C. Remove carpets from computer rooms.
- D. Wear cotton clothes.
- E. Increase humidity level.

Correct Answer: CDE

In order to reduce the chances of static charges being built up, users or technicians will have to take the following steps:

Wear cotton clothes. This will reduce the chance of building up of static charges. Do not cover the computer room's floor with carpets. This stops neutralizing of static charges.

Increase humidity level. Humidity helps dissipate static charges.

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. To minimize Electrostatic discharge (ESD) problems, consider wearing a wrist strap when you are working with computer 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. Answer option A is incorrect. A technician should not wear silken



clothes during computer servicing, as silken clothes are more likely to generate static charges than cotton clothes. Answer option B is incorrect. Wearing wrist strap will keep a technician grounded. Hence, static charges cannot build up.

Reference: "http://en.wikipedia.org/wiki/Electrostatic_discharge"

QUESTION 5

Which of the following is a 15-pin video connection?

- A. DVI
- B. S-video
- C. Component
- D. HDMI
- E. VGA

Correct Answer: E

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