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**QUESTION NO: 1**

Which of the following statements about a riser card is true?

- A. It is used to connect a computer in a network.
- B. It is used to connect extra microprocessors.
- C. It provides extra memory for expansion cards.
- D. It is used to extend slots for expansion cards.

**Answer: D**

**Explanation:**

Riser card is a circuit board that is used to extend slots for expansion cards and provides the ability to connect additional expansion cards to the computer. These cards are used with LPX motherboards. With the introduction of ATX motherboards, riser cards are rarely used. In ATX motherboards, the expansion cards connect directly to the computer motherboard instead of using riser cards.

What is LPX?

LPX is a motherboard form or that is used in some desktop computers. In LPX motherboards, expansion cards are inserted into a riser card that contains several slots. Unlike other common form ors such as AT and ATX, the expansion cards in LPX are not vertical, but parallel to the motherboard.

The LPX form or is designed for smaller cases, and usually it is used for connecting two or three expansion cards.

**QUESTION NO: 2**

Which of the following devices is used for accessing the data on Secure Digital (SD) card, MMC card, and CompactFlash (CF)?

- A. E-book reader
- B. Memory card reader
- C. Smart card reader
- D. Barcode reader

**Answer: B**

**Explanation:**

A memory card reader is a device, typically having a USB interface, for accessing the data on a memory card such as a CompactFlash (CF), Secure Digital (SD) or MultiMediaCard (MMC).

Answer option C is incorrect. Smart card readers are used to read smart cards. It is used as a communications medium between the smart card and a host.

Answer option D is incorrect. A barcode reader (or barcode scanner) is an electronic device for

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reading printed barcodes.

Answer option A is incorrect. There is no such device as e-book reader.

### **QUESTION NO: 3**

Which of the following can be used to accomplish authentication?

Each correct answer represents a complete solution. Choose all that apply.

- A. Biometrics
- B. Encryption
- C. Password
- D. Token

**Answer: A,C,D**

#### **Explanation:**

The following can be used to accomplish authentication.

1. Password
2. Biometrics
3. Token

A password is a secret word or string of characters that is used for authentication, to prove identity, or gain access to a resource.

What is authentication?

Authentication is a process of verifying the identity of a person, network host, or system process. The authentication process compares the provided credentials with the credentials stored in the database of an authentication server.

What is biometrics?

Biometrics is a method of authentication that uses physical characteristics, such as fingerprints, scars, retinal patterns, and other forms of biophysical qualities to identify a user. Nowadays, the usage of biometric devices such as hand scanners and retinal scanners is becoming more common in the business environment. A token may be a physical device or software token that an authorized user of computer services is given to ease authentication.

Answer option B is incorrect. Encryption can be used to accomplish security and not authentication.

### **QUESTION NO: 4**

Which of the following devices can cause great harm to one's life with lethal electric shocks?

Each correct answer represents a complete solution. Choose two.

- A. SMPS

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- B. Floppy drive
  - C. Monitor
  - D. Keyboard.

**Answer: A,C**

**Explanation:**

A computer monitor and SMPS are at high voltage. Therefore, these devices can be fatal. They usually have large amount of electric charge stored in capacitors for days after they have been unplugged from power source.

What is SMPS?

Switch Mode Power Supply (SMPS) is a device that converts raw input power to controlled voltage and current for the operation of electronic equipment. SMPS uses switches for high efficiency.

Answer options D and B are incorrect. Keyboards and floppy drives do not store electric charge. Therefore, they cannot cause lethal electric shocks.

**QUESTION NO: 5**

Which of the following ports on a computer are used to connect a keyboard?

Each correct answer represents a complete solution. Choose two.

- A. USB
- B. DB-25
- C. PS/2
- D. DB-9

**Answer: A,C**

**Explanation:**

The PS/2 and USB ports on a computer are used to connect a keyboard.

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.

Answer options D and B are incorrect. The DB-9 and DB-25 port types on the computer are used as serial ports. A DB-9 male type port has 9 pins, whereas a DB-25 male type port has 25 pins.

What is a serial port?