220-1101 Q&As

CompTIA A+ Certification Exam: Core 1

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QUESTION 1

A customer reports that, after a technician replaced a laptop screen, the laptop is only able to connect to a Wi-Fi network it is positioned very close to a wireless access point

Which of the following should the technician verify FIRST?

A. The internal antennas are connected.

B. The device has the latest OS updates.

C. The wireless device drivers are the latest version.

D. Airplane mode is disabled.

E. The battery is charging.

Correct Answer: A

The internal antennas are the components that allow the laptop to receive and transmit wireless signals. If the internal antennas are not connected properly, the laptop may have a weak or no Wi-Fi signal. The technician should verify that the internal antennas are connected to the wireless card and routed correctly inside the laptop case. The internal antennas may have been disconnected or damaged during the screen replacement. The device having the latest OS updates, the wireless device drivers being the latest version, airplane mode being disabled, and the battery being charging are not related to the issue, as they do not affect the physical connection of the internal antennas.

References: https://www.comptia.org/blog/what-is-a-laptop-antenna

QUESTION 2

Which of the following wireless standards is only capable of 5GHz frequencies?

A. 802.11a

B. 802.11ac

C. 802.11b

D. 802.11g

Correct Answer: A

QUESTION 3

A technician is upgrading the power supply of a workstation that is running multiple GPUs in an SLI configuration. Which of the following cables is needed to ensure the power supply can support the workstation?

A. 8-pin PCIe

B. 4-pin Molex

C. 4+4-pin ATX12V

D. 8-pin ATX12V

Correct Answer: A

The 8-pin PCIe power cable is designed to supply power to a graphics card that requires more power than the PCIe slot can provide. A workstation that is running multiple GPUs in an SLI configuration would need this cable to ensure adequate power delivery and stability. The other cables are not suitable for this purpose, as they are either meant for the motherboard (4+4-pin ATX12V and 8-pin ATX12V) or for older devices (4-pin Molex) https://superuser.com/questions/849265/is-there-a-difference-between-8-pin- eps12v-and- pci-e-connectors

QUESTION 4

A technician is preparing laptops for deployment to a medical department. The laptops require SSD-level encryption to be enabled, but BitLocker refuses to turn it on. An error message states that a BIOS-level setting has not been turned on. Which of the following should the technician check FIRST when troubleshooting this issue?

A. Recorder the priority in Widows Boot Manager.

B. Check to make sure Secure Boot is turned on.

C. Ensure that the Trusted Platform Module enabled.

D. Verify that the latest updates are installed.

Correct Answer: C

The Trusted Platform Module (TPM) is a hardware component that provides cryptographic functions and secure storage for encryption keys, passwords, and certificates. BitLocker requires a TPM to be enabled and activated in the BIOS or UEFI settings of the laptop in order to use SSD-level encryption. The technician should check that the TPM is enabled and activated before trying to turn on BitLocker. Reference:https://partners.comptia.org/docs/default-source/resources/a-core-series-combined-content-guide (page 34)

QUESTION 5

Which of the following network devices is needed to direct packets to networks outside of the LAN?

A. Hub

B. Switch

C. Router

D. Bridge

Correct Answer: C

Explanation: A router is a network device that connects multiple networks together and directs data packets to their intended destinations. This includes directing packets to networks outside of the local area network (LAN). Routers use

routing tables to determine the best path for data packets to travel.

Hubs and switches operate within a single LAN and are not capable of routing packets to external networks.

Bridges can connect two LANs together, but they do not have the intelligence to route packets to external networks.

Therefore, only routers are capable of directing packets to networks outside of the LAN.

References:

CompTIA A+ Certification Core 1 220-1101 Study Guide, Chapter 4: Networking, Section 4.1 Networking Fundamentals