

# CWNA-106<sup>Q&As</sup>

Certified Wireless Network Administrator





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### QUESTION 1

In an infrastructure Basic Service Set (BSS), how does the passive scanning process occur?

- A. Access points broadcast Beacons on all channels of each radio within the regulatory domain. Nearby client stations record information found in the Beacons for use in the association process.
- B. Client stations broadcast Probe Request frames on all supported channels in the regulatory domain. Nearby access points respond with Probe Response frames. Client stations record information in the Probe Response frames for use in the association process.
- C. Client stations broadcast Probe Request frames on the single channel for which they are programmed. Nearby access points respond on that channel with Probe Response frames. Client stations record information found in the Probe Response frames for use in the association process.
- D. Access points broadcast Beacons on a single channel for which they are programmed. Nearby client stations listen for Beacon frames and record information found in the Beacons for use in the association process.

Correct Answer: D

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### QUESTION 2

As a consultant, you have been hired by ABC Company to implement an outdoor WLAN connection between two buildings that are 2 kilometers (1.24 miles) from each other, with no obstructions in between.

Your first required objective is to create a point-to-point link between the two buildings within the local regulatory body's 800 mW EIRP maximum.

Your second required objective is to provide an industry-standard security solution capable of supporting mutual authentication.

As an optional objective, you must minimize the amount of interference from, and to, nearby WLAN networks.

You install an OFDM wireless bridge at each building, configuring one in root mode and the other in non-root mode. You set each radio for 100 mW (20 dBm) and attach 9 dBi omnidirectional antennas to both. You configure the network for WPA2-Enterprise with PEAPv0/EAP-MSCHAPv2 authentication.

Which statement is true about the solution you chose to deploy?

- A. Your solution meets both required objectives and the optional objective.
- B. Your solution meets the second required objective and the optional objective, but not the first required objective.
- C. Your solution meets neither required objective but meets the optional objective.
- D. Your solution meets both required objectives, but does not meet the optional objective.

Correct Answer: D

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### QUESTION 3

As defined in the 802.11 specification, legacy Power Save requires an inefficient back-and-forth frame exchange process. Due to this inefficiency, many WLAN device implementations use a variation of 802.11 Power Save to accomplish the same function.

What non-standard power save behavior is used by most Wi-Fi devices in actual legacy Power Save implementations?

- A. Client devices ignore the TIM field and automatically send PS-Poll frames after every beacon.
- B. After each beacon, the AP attempts to empty its frame buffer by sending Wake-on-WLAN frames to wake each dozing client.
- C. The Beacon interval is changed from the default 100 time units to 10 or less time units.
- D. Clients send null data frames to the AP and switch the power management bit from 1 to 0 to receive queued data.

Correct Answer: D

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#### QUESTION 4

What phrase defines Equivalent Isotropically Radiated Power (EIRP)?

- A. The power output from the radio into the RF cable
- B. The power output from the radio after cable losses
- C. The highest RF signal strength that is transmitted from a given antenna
- D. Power supplied from the transmission line to the antenna input

Correct Answer: C

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#### QUESTION 5

When planning an access point deployment that utilizes Power over Ethernet (PoE) switches at the network edge, what design decision could adversely affect the operation of 802.3-2012, Clause 33 APs?

- A. All ports on the Ethernet switch will be supporting Class 3 PoE powered devices.
- B. Some APs are connected to a PoE switch and are also receiving power from an AC outlet.
- C. The Ethernet switch uplink ports are not connected to an 802.3-2012, Clause 33-compliant core or distribution Ethernet switch.
- D. A gigabit Ethernet switch port supporting an 802.11a/g AP auto-negotiates to 100 Mbps.

Correct Answer: A