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## QUESTION NO: 1

A dual-band 802.11ac AP must be powered by PoE. As a class 4 device, what power level should be received at the AP?

- A. 30 W
- B. 12.95 W
- C. 25.5 W
- D. 15.4 W

**ANSWER: C**

## QUESTION NO: 2

What is the most effective method for testing roaming in relation to 802.11 VoIP handsets?

- A. Use a spectrum analyzer to monitor RF activity during a VoIP call.
- B. Use a protocol analyzer to capture the traffic generated when a laptop roams.
- C. Place a call with the handset and move around the facility to test quality during roaming.
- D. Use the built-in roaming monitor built into all VoIP handsets.

**ANSWER: C**

## QUESTION NO: 3

What 802.11 network configuration would result in multiple stations broadcasting Beacon frames with the same BSSID but with different source addresses?

- A. Multiple APs have been loaded with the same configuration from an image file.
- B. A single AP supports multiple BSSs with different SSIDs.
- C. An IBSS is used instead of a BSS.
- D. An SCA network is in use.

**ANSWER: C**

## QUESTION NO: 4

A WLAN is implemented using wireless controllers. The APs must locate the controllers when powered on and connected to the network. Which one of the following methods is commonly used to locate the controllers by the APs?

- A. NTP
- B. DHCP
- C. SNMP
- D. GRE

**ANSWER: B**

## QUESTION NO: 5

What statement is true concerning the use of Orthogonal Frequency Division Multiplexing (OFDM) modulation method in IEEE 802.11 WLANs?

- A. OFDM implements BPSK modulation to allow for data rates up to 7 Gbps.
- B. OFDM was first introduced in 802.11a and is used by the ERP, HT and VHT PHYs as well.
- C. OFDM modulation is used only in 5 GHz 802.11 transmissions.
- D. OFDM was used by Frequency Hopping Spread Spectrum (FHSS) PHY devices.

**ANSWER: B**

## QUESTION NO: 6

What statement about 802.3, Clause 33 Power over Ethernet is true?

- A. When using CAT5 cabling, you increase the maximum draw available to the PD over that available with CAT6.
- B. Only endpoint PSEs are supported.
- C. Only midspan PSEs are supported.
- D. The lowest voltage drop is achieved when using CAT6 cable instead of Cat5 or CAT5e.

**ANSWER: D**

## QUESTION NO: 7

A WLAN transmitter that emits a 50 mW signal is connected to a cable with 3 dB loss. If the cable is connected to an antenna with 9dBi gain, what is the EIRP at the antenna element?

- A. 26 dBm
- B. 13 dBm
- C. 23 dBm
- D. 10 dBm

**ANSWER: C**

## QUESTION NO: 8

Which IEEE 802.11 physical layer (PHY) specification includes support for and compatibility with both ERP and HR/DSSS?

- A. DSSS (802.11-Prime)
- B. OFDM (802.11a)
- C. HT (802.11n)
- D. VHT (802.11ac)

**ANSWER: C**

## QUESTION NO: 9

The center frequency of channel 1 in the 2.4 GHz band is 2.412 GHz (2412 MHz). What is the center frequency of channel 4?

- A. 2.427
- B. 2.422
- C. 2.413
- D. 2.417

**ANSWER: A**

## QUESTION NO: 10

You are using a site survey tool for post-implementation validation. You have installed the appropriate adapter driver and imported a floor plan. Now, you want to take the next step in proper tool use. What must you do before gathering survey data after the floor plan is imported?

- A. Calibrate the floor plan
- B. Install WinPCAP
- C. Nothing, you can simply start capturing signal readings
- D. Install iPerf

**ANSWER: A**