

CWNP

Exam CWNA-106

Certified Wireless Network Administrator

Verson: Demo

[Total Questions: 10]

Question No : 1

You were previously onsite at XYZ's facility to conduct a pre-deployment RF site survey. The WLAN has been deployed according to your recommendations and you are onsite again to perform a post-deployment validation survey.

When performing this type of post-deployment RF site survey for VoWiFi, what are two steps that must be performed? (Choose 2)

- A. Coverage analysis to verify appropriate coverage and roaming boundaries
- B. Spectrum analysis to locate and identify RF interference sources
- C. Frequency-band hopping analysis to detect improper RF channel implementations
- D. Protocol analysis to discover channel use on neighboring APs
- E. Application analysis with an active phone call on a VoWiFi handset

Answer: A,E

Question No : 2

What is always required to establish a high quality 2.4 GHz RF link at a distance of 3 miles (5 kilometers)?

- A. Minimum output power level of 2 W
- B. Grid antennas at each endpoint
- C. A minimum antenna gain of 11 dBi at both endpoints
- D. A Fresnel Zone that is at least 60% clear of obstructions

Answer: D

Question No : 3

What answers correctly complete the following sentence?

_____ and _____ carrier sense functions are used to determine if the wireless medium is busy. (Choose 2)

- A. Backoff
- B. Pseudo-random

- C. Virtual
- D. Active
- E. Physical
- F. Interframe
- G. Vector

Answer: C,E

Question No : 4

ABC Company is planning to install a new 802.11ac WLAN, but wants to upgrade its wired infrastructure first to provide the best user experience possible. ABC Company has hired you to perform the RF site survey. During the interview with the network manager, you are told that the new Ethernet edge switches will support VoIP phones and 802.11 access points, both using 802.3 PoE.

After hearing this information, what immediate concerns do you note?

- A. VoIP phones and 802.11 access points should not be powered by the same edge switch due to distortion.
- B. The edge Ethernet switches should support Ether-channel to get the best results out of the network.
- C. If the switches are in optimal locations for VoIP phones, they are likely to be suboptimal locations for 802.11 APs.
- D. The power budget in the edge switches must be carefully planned and monitored based on the number of supported PoE devices.

Answer: D

Question No : 5

What statements about the beamwidth of an RF antenna are true? (Choose 2)

- A. The lower the gain of an antenna, the more a $\theta = 1$ is narrow one or both beamwidths become.
- B. The beamwidth patterns on an antenna polar chart indicate the point at which the RF signal stops propagating.
- C. Horizontal and vertical beamwidth are calculated at the points in which the main lobe decreases power by 3 dB.
- D. Horizontal beamwidth is displayed (in degrees) on the antenna's Azimuth Chart.

Answer: C,D

Question No : 6

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.

Answer: A

Question No : 7

Which features are incorporated in the 802.11-2012 specification and are recommended for robust WLAN client security? (Choose 2)

- A. SSID hiding
- B. CAPWAP with DTLS
- C. 802.1X/EAP
- D. CCMP cipher suite
- E. IPsec VPN
- F. MAC address white lists

Answer: C,D

Question No : 8

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.

Answer: D

Question No : 9

ABC Company is planning a point-to-multipoint outdoor bridge deployment with standalone (autonomous) 802.11 bridge units. 802.1X/EAP will be used for bridge authentication. A Linux-based RADIUS server will be used for authentication. What device in the bridge implementation acts as the 802.1X Authenticator?

- A.** The RADIUS server
- B.** All non-root bridges
- C.** A designated non-root bridge
- D.** The root bridge
- E.** The Ethernet switch

Answer: D

Question No : 10

What statements describe industry practices for communication protocols between WLAN controllers and controller-based APs? (Choose 2)

- A.** All vendors use the same protocol so that APs will interoperate with WLAN controllers from other vendors.
- B.** Some vendors use proprietary protocols, and some vendors use protocols based on public standards like RFCs.

- C.** For most vendors, the controller-based APs maintain data and control tunnels with at least two controllers for immediate failover and redundancy.
- D.** All vendors support at least one L2 or L3 broadcast protocol for controller discovery by controller-based APs.
- E.** All vendors recommend using L2 (instead of L3) controller discovery and tunneling protocols in large enterprises.

Answer: B,D