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QUESTION 1

What standard is referenced into the 802.11-2012 specification and is recommended for robust WLAN client security?

- A. SSID hiding
- B. WEP
- C. 802.1X/EAP
- D. IPSec VPN

Correct Answer: C

QUESTION 2

In an 802.11 2.4 GHz system, what 22 MHz channels are considered non-overlapping? (Choose 2)

- A. Channels 5 and 10
- B. Channels 1 and 5
- C. Channels 3 and 7
- D. Channels 2 and 8
- E. Channels 8 and 11
- F. Channels 10 and 13

Correct Answer: AD

QUESTION 3

The IEEE 802.11a/n/ac physical layer technologies utilize the 5 GHz frequency band. What is true of the channels in this frequency spectrum?

- A. 14 channels are available worldwide.
- B. 11 channels are available worldwide.
- C. Regulatory domains worldwide require DFS and TPC in all these channels.
- D. DFS may be required in some regulatory domains on some channels.
- E. 802.11 channels are separated by 5 MHz

Correct Answer: D

QUESTION 4

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

Correct Answer: CE

QUESTION 5

ABC Company has thousands of Wi-Fi users accessing their network on a daily basis. Their WLAN consists of 700 access points, 6 WLAN controllers, and a wireless network management system.

What network functions are performed by the enterprise-class WNMS?

- A. Radio management, fast roaming, key caching, and other centralized control plane operations
- B. Centralized bridging of guest data traffic and application of firewall and QoS policies to data
- C. Management of WLAN controller configuration and provisioning of firmware updates
- D. Generating, encrypting, and decrypting 802.11 frames and collecting RF radio data.

Correct Answer: C

QUESTION 6

In WLAN security, which authentication method always create Layer 2 dynamic encryption keys?

- A. HTTPS Captive Portal
- B. WEP
- C. EAP-TLS
- D. Shared Key

Correct Answer: C

QUESTION 7

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

Correct Answer: D

QUESTION 8

What statements about the SSID are true? (Choose 2)

- A. The SSID is a security session identifier used in RSNs.
- B. The SSID must be included in an association request frame.
- C. The SSID is an alphanumeric value assigned to device manufacturers by the IEEE.
- D. The SSID is a pseudo-random number assigned to each client by an AP.
- E. The SSID is an alphanumeric value with a maximum length of 32 octets.
- F. When configuring a new network, creating an SSID is optional.

Correct Answer: BE

QUESTION 9

ABC Company has just purchased a 6 dBi patch antenna. After performing some tests with the 6 dBi antenna, they have concluded that more antenna gain is needed to cover their outdoor courtyard. When choosing an antenna with higher gain, what other antenna characteristic will also always change?

- A. Fresnel Zone size
- B. Maximum input power
- C. Beamwidth
- D. Impedance

E. VSWR Ratio

Correct Answer: C

QUESTION 10

Which unit of measurement is an absolute unit that is used to quantify power levels on a linear scale?

- A. dBm
- B. SNR
- C. RSSI
- D. VSWR

Correct Answer: A

QUESTION 11

When a client moves to a new BSS within an ESS, what step is a part of the 802.11 reassociation process?

- A. The client station transmits a Reassociation Request frame to its current access point.
- B. The current access point informs the IP gateway of the reassociation.
- C. The current access point triggers the client's reassociation service.
- D. The new access point transmits a Reassociation Response to the client station with a status value.

Correct Answer: D

QUESTION 12

When performing a site survey for a Multiple Channel Architecture (MCA) system in a multi-tenant building with five floors, what aspect should you, as the site surveyor, keep in mind?

- A. The RF interference caused by passing airplanes supporting on-board Wi-Fi should be a prime consideration.
- B. The omni-directional antennas of the access points should be oriented parallel to the floor to maximize the coverage pattern across as many floors as possible.
- C. The channel reuse pattern should be three dimensional with the RF cell extending coverage of each access point to other floors.
- D. The Fresnel Zone is completely blocked between floors so each floor is considered a separate site survey.

Correct Answer: C

QUESTION 13

What factors will have the most significant impact on the amount of wireless bandwidth available to each station within a BSS?

- A. The number of client stations associated to the BSS
- B. The power management settings in the access point's beacons
- C. The presence of co-located (10m away) access points on non-overlapping channels
- D. The layer 3 protocol used by each station to transmit data over the wireless link

Correct Answer: A

QUESTION 14

What is a common feature of an 802.11 WLAN client utility? (Choose 2)

- A. Real-time retry monitor
- B. AP Signal strength meter
- C. Spectrum analyzer utility
- D. VLAN configuration
- E. Link statistics display

Correct Answer: BE

QUESTION 15

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

Correct Answer: D

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