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QUESTION 1

When a client moves to a new BSS within an ESS, what steps are part of the 802.11 reassociation process? (Choose two)

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.

E. The client and new access point create unicast encryption keys.

F. The client station transmits a deauthentication frame to the current access point.

Correct Answer: DE

QUESTION 2

Which data rate is supported by 802.11g radios that is not supported by 802.11a radios?

A. 9 Mbps

B. 11 Mbps

C. 12 Mbps

D. 54 Mbps

E. 65 Mbps

F. 130 Mbps

Correct Answer: B

QUESTION 3

What is an advantage of using WPA2-Personal instead of WEP-128 as a security solution for 802.11 networks?

A. WPA2-Personal uses 802.1X/EAP for authentication, and WEP-128 uses preshared keys.

B. WPA2-Personal is based on IEEE 802.11 industry standards, but WEP is not.

C. WPA2-Personal uses CCMP for encryption, and WEP-128 uses TKIP for encryption.

D. WPA2-Personal uses dynamic encryption keys, and WEP-128 uses static keys.

E. WPA2-Personal requires complex 64-character hex keys, whereas WEP-128 requires weak 26- character hex keys.

Correct Answer: D

QUESTION 4

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

A. 802.11a and 11n use six (6) "pilot" subcarriers as a reference for the receiver to detect frequency and phase shifts of the signal.

B. 802.11a/g/n OFDM includes several combinations of modulation and coding to achieve data rates from 1-600 Mbps.

C. With 802.11a OFDM, 16-QAM provides either 48 or 54 Mbps data rates, depending upon coding rates.

D. 802.11n HT-OFDM utilizes 256-QAM, which increases the data rate from 54 Mbps (with 64-QAM) up to 65 Mbps.

E. In 802.11a OFDM, forty-eight (48) subcarriers are used as parallel symbol transmission paths to carry data.

Correct Answer: E

QUESTION 5

Given: ABC Hospital is planning a Wi-Fi infrastructure upgrade where the 802.11b/g APs would be replaced with new dual-radio HT (802.11n) APs. ABC wants to minimize the time and cost associated with performing a new site survey, so

they will be mounting all of the new APs in the same locations and with the same cable drops as the existing APs.

What is one performance drawback with this deployment method?

A. Multipath will increase, causing excessive layer-2 retransmissions. The retransmissions will cause latency for VoWiFi handsets.

B. Increased receiver sensitivity on the HT APs will cause them to continually change channels to avoid co-channel interference.

C. If the existing UTP cabling is not Category 6 or better, the total Ethernet backhaul for each AP will be limited to 100 Mbps.

D. In locations with line-of-sight to client devices and little multipath, the benefits of MIMO may be less significant than in other areas.

Correct Answer: D

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