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QUESTION 1

What is the purpose of Friis transmission equation [(LdB) = 20 log(d) + 20 log (f) - 27.55]?

A. Calculate earth bulge to determine minimum antenna height

B. Calculate receive sensitivity for an 802.11 radio/antenna pair

C. Calculate RF path loss in free space

D. Calculate the loss experienced between the intentional radiator and antenna

E. Calculate the minimum voltage requirements for lightning suppression systems

Correct Answer: C

QUESTION 2

Multicast video applications typically require special treatment on the Wi-Fi network due to the nature of multicast traffic. Many vendors implement proprietary multicast-to-unicast conversion for this reason.

Which of the following is NOT a valid reason for special unicast conversion of downlink multicast traffic?

A. In QoS WLANs, multicast traffic is always assigned to the best effort (AC_BE) transmit queue.

B. Group addressed downlink frames are not acknowledged on the wireless medium.

C. Multicast traffic must always be transmitted via omnidirectional antennas.

D. Frames with a group receiver address must always be sent at a rate in the Basic Rate Set.

Correct Answer: C

QUESTION 3

When deploying long-distance 802.11 bridge links (10 miles / 16 km), what parameter may be critical for improving data flow by reducing retries caused by the long distances?

A. The sequence control field value

B. The PHY parameter set field

C. The minimum transmit data rate value

D. The CTS-to-self threshold

E. The Beacon interval

F. The acknowledgement timeout threshold

Correct Answer: F

QUESTION 4

What is the purpose of DHCP Option 43, and how is it used with WLANs?

A. It provides clients with a temporary IP address on a restricted VLAN until 802.1X authentication is completed. Then the client receives its long-term IP address.

B. It provides IP address bindings for specific network nodes that require long-term IP address assignments. WLAN controllers are configured to use Option 43 to receive long-term IP address leases that are centrally managed with DHCP.

C. It supports vendor-specific IP address attributes for node discovery purposes. APs use Option 43 with vendor class identifiers to obtain the IP address of a centralized WLAN controller.

D. It integrates a DHCP server with AAA servers and user databases to dynamically assign IP addresses to client devices. During 802.1X, the AAA server uses Option 43 to notify the DHCP server what IP pool the client\\'s address should be drawn from.

Correct Answer: C

QUESTION 5

Given: Assume that music on hold (MOH) features are unicast only.

What VoWiFi implementations require multicast packet delivery support by the WLAN infrastructure?

A. All VoWiFi implementations

B. Push-to-Talk VoWiFi phones

C. VoWiFi soft phones

D. FMC phones

E. Flat (non-VLAN) VoWiFi implementations

Correct Answer: B

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