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QUESTION 1

After designing a WLAN infrastructure using predictive design software. What's the best way to validate the predictive design in the physical space before deployment, if time and budget allow for it?

- A. Deploy all of the APs as they're shown in the predictive design and perform an active site survey.
- B. Deploy all of the APs as they're shown in the predictive design and perform a passive site survey.
- C. Use a client device positioned where the APs will be installed and measure the signal from the client device.
- D. Perform an AP-on-a-Stick survey using AP locations based upon the predictive design to confirm each AP's placement.

Correct Answer: D

QUESTION 2

Your customer requires fast secure roaming. Which two types of roaming are specified in 802.11-2016 FT roaming that will help meet this goal?

- A. Over-the-Air and Over-the-DS
- B. Over-the-Air and Over-the-Wire
- C. FT and OKC
- D. FT and TKIP

Correct Answer: A

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 acknowledgement timeout threshold
- C. The minimum transmit data rate value
- D. The CTS-to-self threshold

Correct Answer: B

QUESTION 4

You are conducting a physical site survey where heavy machinery is repaired. What is a common item required specifically for this type of survey?

- A. Personal Protective Equipment (PPE)
- B. Low gain antennas
- C. Low power APs
- D. Indoor APs

Correct Answer: A

QUESTION 5

When designing a static channel plan for an office using voice devices near an airport, which range of channels should be avoided to ensure optimal performance when implemented?

- A. 36-40
- B. 44-48
- C. 116-124
- D. 1-11

Correct Answer: C

QUESTION 6

Which one of the following is an essential metric to measure when performing a survey and design for VoIP across WLANs?

- A. Throughput rates above 50 Mbps
- B. Data rates above 100 Mbps
- C. Latency
- D. PoE provided to wireless handsets

Correct Answer: C

QUESTION 7

What are the deliverables to your customer after successfully implementing a WLAN infrastructure?

- A. Digital or physical assets, guides, floorplans and configuration documents
- B. Project Charter
- C. Facility blueprints
- D. Nothing is required. The implemented WLAN was deliverable

Correct Answer: A

QUESTION 8

What factors are key features when designing a guest network for a large enterprise?(Choose all that apply.)

Response:

- A. 802.11n
- B. Rate limiting
- C. 802.1X security
- D. Traffic tunneling or anchoring
- E. SSID segmentation

Correct Answer: BD

QUESTION 9

As you plan a WLAN upgrade, you have assessed the network requirements and data signatures of your applications. One of the popular applications used on your network requires high bandwidth and low to medium Wi-Fi loss, but can tolerate moderate latency and jitter.

What application matches this description?

- A. Voice
- B. Email
- C. Skype chat
- D. Video-on-demand

Correct Answer: B

QUESTION 10

What type of protection should be provided to outdoor antenna installations?

Response:

- A. Static electricity
- B. Brownouts
- C. Lightning surge suppression
- D. A/C spikes

Correct Answer: C

QUESTION 11

Name the audience type not addressed in this chapter for HLDs. Response:

- A. Operations
- B. Executives
- C. Designers
- D. Engineering

Correct Answer: A

QUESTION 12

A customer is acquiring a new VoWLAN system to replace their existing wired phone system. When reading about his system's requirements, you learned that it requires 25 dB of SNR to work as expected. After surveying the environment, you discovered that the noise floor is -88 dBm. What should be the minimum RSSI value to meet the system's requirements?

- A. -70 dBm
- B. -67 dBm
- C. -65 dBm
- D. -63 dBm

Correct Answer: D

QUESTION 13

In what circumstance would you not enable DFS channels on a WLAN infrastructure?

- A. In any stadium

- B. In any office complex
- C. In an airport
- D. In any home office

Correct Answer: C

QUESTION 14

You are tasked with designing the WLAN to accommodate certain high density areas on your university campus where users frequently come and go. With a limited DHCP pool size (subnet mask = 255.255.252.0) for this WLAN subnet, you want to ensure that your DHCP addresses are used efficiently and are not exhausted, which would prevent new client Layer 3 connections. The DHCP server is a Windows Server 2012 R2 machine. Your design task is to determine the best configuration to allow as many users as possible while avoiding WLAN service interruptions and also to use the available addresses as efficiently as possible.

What setting would be most effective at achieving this design task?

- A. Set the RTS threshold to 2346 bytes
- B. Set the inactive wireless client timeout (client age-out) to 5 minutes
- C. Set the maximum client limit per radio to 64
- D. Set the DHCP lease for this pool to 20 minutes

Correct Answer: D

QUESTION 15

What commonly causes a client-to-AP link imbalance?

- A. The client's antenna gain is lower than the AP's antenna gain
- B. The client's transmit power is significantly lower than the AP's transmit power
- C. The AP's transmit power is significantly lower than the client's transmit power
- D. The AP's antenna gain is lower than the client's antenna gain

Correct Answer: B

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