

# 300-425<sup>Q&As</sup>

Designing Cisco Enterprise Wireless Networks (ENWLSD)

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### QUESTION 1

An engineer has performed a predictive site survey for high-speed data and voice in an indoor office. What is the recommended data rate with -67 dBm signal level for optimal VoWLAN design?

- A. 6 Mbps on 802.11 bgn
- B. 24 Mbps on 802.11 bgn
- C. 12 Mbps on 802.11 an
- D. 24 Mbps on 802.11 an

Correct Answer: B

Reference:

The -67 dBm measurement has been used for years for 11b phone clients from many vendors. Tests indicate that this same rule of thumb measurement works well for 11g and 11a phone clients.

The lower data rates in 11a can be disabled, the 24 Mbps data rate can be set to “required”,

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### QUESTION 2

A customer uses a Cisco Catalyst 9800 Series wireless controller to manage all of the APs for a campus network. Secure guest access is required for the guest network. A Cisco 5520 anchor controller is deployed within a DMZ. Which design approach ensures that the mobility tunnel is established successfully between the wireless controller and the anchor controller?

- A. Run an Inter-Release Controller Mobility compatible software version on the wireless controller.
- B. Enable control plane encryption on the wireless controller.
- C. Disable data link encryption on the anchor controller.
- D. Run an Inter-Release Controller Mobility compatible software version on the anchor controller.

Correct Answer: A

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### QUESTION 3

A customer has two Cisco WLCs configured in a SSO cluster. The wireless network supports a large warehouse. The customer purchases new iPads to replace legacy scanners. Both devices connect to a single SSID named Scanning by using WPA2 Personal. The customer wants to use a standards-based method for fast roaming on the new iPads. Which approach meets the scanner requirement and still supports the legacy scanners?

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- A. Enable FT PSK and set Fast Transition to Adaptive for the Scanning SSID.
- B. Enable FT 802.1X and set Fast Transition to Adaptive for the Scanning SSID.
- C. Enable optimized roaming globally and enable FT 802.1X on the Scanning SSID.
- D. Enable optimized roaming globally and enable FT PSK on the Scanning SSID.

Correct Answer: A

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#### QUESTION 4

A medium-sized hospitality company with 50 hotels needs to upgrade the existing WLAN in each hotel to 802.11n. During the site surveys for each hotel, what needs to be taken into consideration when determining the locations for each AP?

- A. Selecting locations that are easily accessed so maintenance and upgrades can be performed quickly.
- B. Selecting AP locations where power is already available.
- C. Selecting APs that can be hidden in ceiling panels to provide a secure and clean aesthetic look.
- D. Selecting locations that make visual assessment of the AP operation easy.

Correct Answer: C

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#### QUESTION 5

An engineer performs a Layer 1 survey by using Metageek chanalyzer only on the current operating channel. Which operating mode is configured for a Cisco CleanAIR AP?

- A. Local
- B. Sniffer
- C. Monitor
- D. SE-connect

Correct Answer: A

Reference:

##### **Local Mode**

Each Cisco CleanAir-enabled access point radio provides air quality and interference detection reports for the current operating channel only. Local mode does not disrupt client connections. When a hybrid-REAP access point is connected to the controller, its Cisco CleanAir functionality is identical to local mode.

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