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Cisco

Exam Questions 300-425

Designing Cisco Enterprise Wireless Networks
(ENWLSD)

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QUESTION 1

Two Cisco 5520 Wireless LAN Controllers are managing all access points throughout the network. The WLCs are in different locations to provide geographical redundancy. A mobility group has been configured on both WLCs and has a UP status on both controllers. The APs in location A are statically configured to use controller A as the primary and controller B as the secondary. If the WLC in location A goes offline, the APs successfully join the WLC in location B, but they do not fail over to their primary configured controller. Which configuration task fixes this issue?

- A. Configure the WLC in location A as primary using the CAPWAP AP Controller IP Address command on all the location A access points.
- B. Use DHCP Option 43 and specify WLC in location A as primary.
- C. Enable AP fallback globally on the WLC.
- D. Change the AP Failover Priority to critical

Correct Answer: A

QUESTION 2

An engineer must perform a pre deployment site survey for a new building in a high-security area. The design must provide a primary signal RSSI of -65 dBm for the clients. Which two requirements complete this design? (Choose two)

- A. site access
- B. AP model
- C. WLC model
- D. HVAC access
- E. number of clients

Correct Answer: B,E

QUESTION 3

During a post deployment site survey, issues are found with non-Wi-Fi interference. What should the engineer use to identify the source of the interference?

- A. Cisco Spectrum Expert
- B. wireless intrusion prevention
- C. Wireshark
- D. network analysis module

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Correct Answer: A

Explanation/Reference:

https://www.cisco.com/c/en/us/products/collateral/wireless/spectrumexpert/product_data_sheet0900aecd807033c3.html

QUESTION 4

A customer has two Cisco 550B WLCs that manage all the access points in their network and provide N+1 redundancy and load balancing. The primary Cisco WLC has 60 licenses and the secondary Cisco WLC has 40. The customer wants to convert the N+1 model to an HA model and provide SSO. Configuration must be performed during a maintenance window. After performing all the configurations on both controllers, the config redundancy unit secondary command is issued on the secondary Cisco WLC and it fails. Which parameter needs to be in place to complete the configuration?

- A. A cable in the RP port
- B. The secondary Cisco WLC needs a minimum of 50 base licenses
- C. The primary Cisco WLC is already set as the secondary unit.
- D. SSO needs to be enabled

Correct Answer: B

QUESTION 5

An enterprise has moved most services to the cloud, including email applications and real-time



communication. Which feature must be enabled on the wireless network to improve the user experience?

- A. QoS
- B. radio management
- C. interference mitigation
- D. fast secure roaming

Correct Answer: D

Explanation/Reference:

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-5/Enterprise-Mobility-8-5-DesignGuide/Enterprise_Mobility_8-5_Deployment_Guide.pdf

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QUESTION 6

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

Correct Answer: A

QUESTION 7

A high-density wireless network is designed. Which Cisco WLC configuration setting must be incorporated in the design to encourage clients to use the 5 GHz spectrum?

- A. Band Select
- B. RRM
- C. Cisco Centralized Key Management
- D. load balancing

Correct Answer: A

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