300-425 Q&As

Designing Cisco Enterprise Wireless Networks (ENWLSD)

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QUESTION 1

An engineer is performing an active survey of a network that must support different types of mobile devices. The devices must be able to run an application that requires a minimum RF of -73 dBm. Which mobile device must be used for the survey?

A. one that has a receiver sensitivity of -70 dBm

B. one that has the lowest receiver sensitivity

C. one that has the most updated wireless card

D. one that has 802.11a wireless support

Correct Answer: A

QUESTION 2

A network engineer must design a new wireless solution for a company, but the budget can only stretch to include a single Cisco 9800-40 WLC. The company requires high availability between the WLC and the core switch in the event of a cable failure. The WLC must dynamically manage port redundancy and perform load balancing between APs transparently. Which design approach must the engineer take to meet the requirements?

A. LAG

B. Multi-LAG

C. LACP

D. PAgP

Correct Answer: A

QUESTION 3

A customer has a central Cisco WLC that manages APs in FlexConnect mode. The wireless infrastructure supports multiple small branches. One branch deploys new CCX wireless phones that are authenticated by a central Cisco ISE via PEAP/IMSCHAPv2, and traffic is switched locally. The customer must reduce the number of full authentication requests and optimize roaming for the new phones. Which action accomplishes the requirement?

A. Enable CCKM on the voice SSID and add APs to a FlexConnect group.

B. Enable Aironet IE on the voice SSID and add APs to an AP group.

C. Enable Aironet IE on the voice SSID and add APs to a FlexConnect group.

D. Enable CCKM on the voice SSID and add APs to an AP group.

Correct Answer: C

QUESTION 4

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. RRM

B. Cisco centralized key management

C. Band select

D. Load balancing

Correct Answer: C

QUESTION 5

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

Reference:

- With Release 7.4, an HA-SKU secondary controller can be configured as a backup controller for N+1 HA. For example, the following can be used as an HA-SKU controller:
  - 5508 Series Standalone controller with 50 AP license

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