Vendor: Cisco

Exam Code:300-425

Exam Name: Designing Cisco Enterprise Wireless Networks (ENWLSD)

Version: Demo

QUESTION 1

An engineer is conducting a Layer 2 site survey. Which type of client must the engineer match to the survey?

A. best client available

B. phone client

C. normal client

D. worst client available

Correct Answer: D

Reference: https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/116057-site-survey-guidelines-wlan-00.html

---

QUESTION 2

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. Network analysis module

B. Wireless intrusion prevention

C. Wireshark

D. Cisco spectrum expert

Correct Answer: D

QUESTION 3

An engineer is reducing the subnet size of the corporate WLAN by segmenting the VLAN into smaller subnets. Clients will be assigned a subnet by location. Which type of groups can the engineer use to map the smaller subnets to the corporate WLAN?

A. WLC port groups

B. RF groups

C. AP groups

D. interface groups

Correct Answer: C

Reference:

- AP groups give the ability to statically map Wi-Fi service (WLAN) to VLAN based on physical location

- Users see the same Wi-Fi service on all sites.

- Admin can monitor and filter based on different IP@ each site

- Can also be used to have smaller Wi-Fi subnets

QUESTION 4

How does AP failover priority for access points function when configured with priority 1 or 4?

A. When configured with priority 1, the access point is assigned with the highest priority level and it is marked as critical. This access point fails over before other access points with the lower priority when there is primary controller failure.

B. When configured with priority 4, the access point is assigned with the highest priority level and it is marked as critical. This access point fails over before other access points with the lower priority when there is primary controller failure.

C. When configured with priority 4, the access point is assigned with the lowest priority level and it is marked as low. This access point fails over after other access points with the higher priority when there is primary controller failure.

D. When configured with priority 1, the access point is assigned with the medium priority level and it is marked as medium. This access point fails over after other access points with the higher priority when there is primary controller failure.

Correct Answer: B

QUESTION 5

A 60,000-square foot outdoor area must be surveyed. The survey must be completed in the least amount of time. Which tool or equipment is used when performing the site survey?

A. additional access points that use sniffer mode

B. site survey tool that has modules in sniffer mode

C. additional access points that use GPS mode

D. site survey tool that has a GPS module

Correct Answer: D

QUESTION 6

A technician connects a Cisco Aironet 3700 Series access point to a switch and realizes that the AP is coming up with 3x3 MIMO. Which reason explains this behavior?

A. A redundant power supply is unavailable on the switch.

B. The switch is 802.3af capable.

C. The AP is getting power from a power injector.

D. The switch is PoE+ capable.

Correct Answer: B

Reference:

The AP 3700 with integrated 802.11ac wave 1 radio is designed to run from Power over Ethernet (PoE) sources, local power, or via mid-span or power injector. If the AP 3700 is powered by PoE and the source is 802.3af (15.4 Watts) the AP will come up and fully function in a 3x3:3 mode, for enhanced performance additional power sources such as 802.3at, enhanced PoE, Cisco PoE Injector-4, or local power may be used. With additional power (greater than 15.4W) supplied, the 3700 will shift into the 4x4:3 mode.

The big difference between 802.3af (PoE) and 802.3at (PoE+) is the amount of power delivered over each standard.

QUESTION 7

An engineer is trying to configure the APs installed in a new auditorium to use 40 MHz channels with high data rates and lower TX power. The APs in the building hallway must use lower-density design settings configured for the rest of the building. Which two configurations achieve this design? (Choose two.)

A. TPC

B. DCA

C. AP group

D. RRM

E. RF profile

Correct Answer: CE

QUESTION 8

A network engineer is preparing for an office site survey with a height of 2.5 meters. Which three components are recommended to complete the survey? (Choose three.)

A. Use a battery pack to power APs

B. Use a drawing of the office space to draw AP and client placements.

C. Use DoS attack on APs while measuring the throughput.

D. Use APs with directional antennas.

E. Use APs with external antennas.

F. Use APs with built-in antennas.

Correct Answer: ABF

Reference: https://www.cisco.com/c/en/us/td/docs/wireless/technology/mesh/8-4/b_mesh_84/Site_Preparation_and_Pla nning.html#ID3405

QUESTION 9

An enterprise network administrator is asked to set up an experimental WLAN for a collaboration project with a local service provider. The WLAN must be anchored to a WLC in the service provider data center using legacy mobility mode. After the configurations are completed on the WLCs and the firewalls in the path, the data path mobility tunnel is failing to come up. What should be performed by the administrator to debug the issue?

A. Establish a Telnet connection from a local PC to the firewall on port 97.

B. Use the eping command on the WLC.

C. Establish a Telnet connection from a local PC to the firewall on port 16666.

D. Use the mping command on the WLC.

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/support/docs/wireless/4400-series-wireless-lan-controllers/107458-wga-faq.html

---

QUESTION 10

A customer uses a Cisco 5520 WLC that is connected via a single 10-GB interface to manage the wireless network. The wireless network includes 500 APs for the campus network. The customer wants to add 300 APs and is concerned about traffic load and lack of redundancy. The purchase of a second controller is not an option. Which design approach mitigates the customer concerns?

A. Connect a second 10-GB interface on the WLC and set the port as a secondary port.

B. Connect a second 10-GB interface on the WLC and implement LAG.

C. Implement a vWLC and configure SSO with the WLC.

D. Implement a vWLC and configure N+1 redundancy with the WLC.

Correct Answer: B

QUESTION 11

An engineer performs a Layer 1 survey by using Metegeek 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.

QUESTION 12

An engineer must perform an assessment of a customer LAN for a future IEEE 802.11ac Wave 2 wireless deployment All access switches are Fast Ethernet-Capable only, and the wired infrastructure between existing APs and access switches is based on the CAT 6A standard. Which two actions provide maximum support of Cisco 3800 Series access points? (Choose two.)

A. Replace the existing switches with mGig switches.

B. Replace the existing switches with gigabit switches with 10G uplinks.

C. Ensure that cable distances between access switches and APs are not longer than 100 meters.

D. Replace the existing wiring infrastructure with the CAT-7E wiring standard,

E. Ensure that cable distances between access switches and APs are not longer than 55 meters.

Correct Answer: AC