

# Cisco

## Exam Questions 300-425

Designing Cisco Enterprise Wireless Networks (ENWLSD)



#### NEW QUESTION 1

Where must the APs be mounted when used in a high-density wireless network to provide 6 dB to 20 dB of attenuation to a cell?

- A. in the aisle
- B. under the seat
- C. above the stage
- D. under the stage

**Answer: B**

#### NEW QUESTION 2

An engineer is designing a wireless network that will support many different types of wireless clients. When conducting the survey, which client must be used to ensure a consistent experience for all of the wireless clients?

- A. the client that has the highest RF properties
- B. the client that is used most by the company
- C. the client that is used least by the company
- D. the client with the worst RF characteristics

**Answer: B**

#### NEW QUESTION 3

An engineer must create data link redundancy for the company's Cisco Wireless LAN controller. The engineer has decided to configure LAG-based redundancy instead of port-based redundancy. Which three features of LAG-based redundancy influenced this decision? (Choose three.)

- A. Packets are always sent out on the same port they are received on.
- B. All interface traffic passes as long as one port is up.
- C. The same port has multiple untagged dynamic interfaces.
- D. Interface connection to two separate nonstacked switches is available.
- E. Full bandwidth of all links is available.
- F. Ports are grouped into multiple LAGs.

**Answer: ABF**

#### NEW QUESTION 4

An engineer must ensure that the wireless network can accomplish fast secure roaming by way of caching keys on the access points. Which key caching mechanism is enabled by default on a Cisco AireOS WLC?

- A. SKC
- B. OKC
- C. 802.11r
- D. CCKM

**Answer: D**

#### NEW QUESTION 5

Name Prefix:

Add APs:

AP Type:

Enable 11n Support: ☐

802.11a/n/ac Antenna:

802.11b/g/n Antenna:

Protocol:

Throughput: 802.11a/n/ac  802.11b/g/n

**Services:** ☒ Advanced Options

☒ Data/Coverage  
Safety Margin:

☒ Voice  
Safety Margin:

☒ Location

☐ Location with Monitor Mode APs

☐ Demand

☐ Override Coverage Per AP

Per AP Area (sq feet)

Total Coverage Area: 179312 (sq feet)

Recommended AP Count: **74**

Data/Coverage: **48**

Voice: **48**

Location: **59**

Location with Monitor Mode APs

Mode APs

Demand

Floor Type: Cubes and Walled Offices

**Add APs Automatically:**  
Realize and move the rectangle using the mouse over the desired coverage area, then specify placement criteria. Click "Calculate" to determine the number of APs recommended by NCS. If you are satisfied with the result, press "Apply". APs will be created and automatically positioned on the map.



Refer to the exhibit. Which two statements about Cisco Prime Infrastructure are true? (Choose two.)

- A. It presents the recommended number of APs for the selected coverage area based on the selections made.
- B. Planning mode requires a special license in Cisco Prime Infrastructure.
- C. It shows the map editor feature in Cisco Prime Infrastructure.
- D. Controllers must be synchronized with Cisco Prime Infrastructure for planning mode to work.
- E. It shows the planning mode feature in Cisco Prime Infrastructure.

**Answer:** DE

#### NEW QUESTION 6

Which CLI command does an engineer use to validate that the redundancy peer of a Stateful Switchover pair of controllers is up and connected?

- A. rping
- B. ping
- C. eping
- D. mping

**Answer:** B

#### NEW QUESTION 7

A network engineer is configuring high availability on an access point. What is the maximum number of controllers that can be configured?

- A. 1
- B. 2
- C. 3
- D. 4

**Answer:** B

#### NEW QUESTION 8

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

**Answer:** D

#### NEW QUESTION 9

When conducting a site survey for real-time traffic over wireless, which two design capabilities of smartphones and tablets must be considered? (Choose two.)

- A. no support for 802.11ac
- B. higher data rates than laptops
- C. fewer antennas than laptops
- D. no support for 802.11r
- E. lower data rates than laptops

**Answer:** BC

#### NEW QUESTION 10

A university is in the process of designing a wireless network in an auditorium that seats 500 students and supports student laptops. Which design methodology should the university implement in the auditorium?

- A. roaming design model
- B. voice design model
- C. location design model
- D. high-density design model

**Answer:** B

#### NEW QUESTION 10

What causes the most signal attenuation, based on the wireless design tools?

- A. cinder block wall
- B. metal door
- C. glass wall
- D. office window

**Answer:** B

#### NEW QUESTION 14

Multiple WLCs are implemented in a high-availability configuration in a mobility group. APs are deployed with only a primary controller assigned. By default, which

mobility group member controller do the orphaned APs join in the event of a failed controller?

- A. controller with the most available AP free license capacity
- B. controller with the lowest percent of associated APs per license capacity
- C. controller with the least CPU utilization over the last reporting period
- D. controller with the least number of associated APs

**Answer:** D

#### **NEW QUESTION 18**

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