

# 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**

The screenshot shows a network planning tool interface. On the left, there are configuration options for APs, including Name Prefix (AP\_), AP Type (AP3700), and various antenna and protocol settings. Below these are service options like Data/Coverage, Voice, and Location, each with a 'Safety Margin' dropdown set to 'Aggressive'. A 'Calculate' button is present, and below it, a table shows the recommended AP count for different services: Data/Coverage (74), Voice (48), and Location (59). On the right, there is a floor plan map titled 'Floor Type: Cubes and Walled Offices' with a grid and a legend for adding APs automatically.

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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