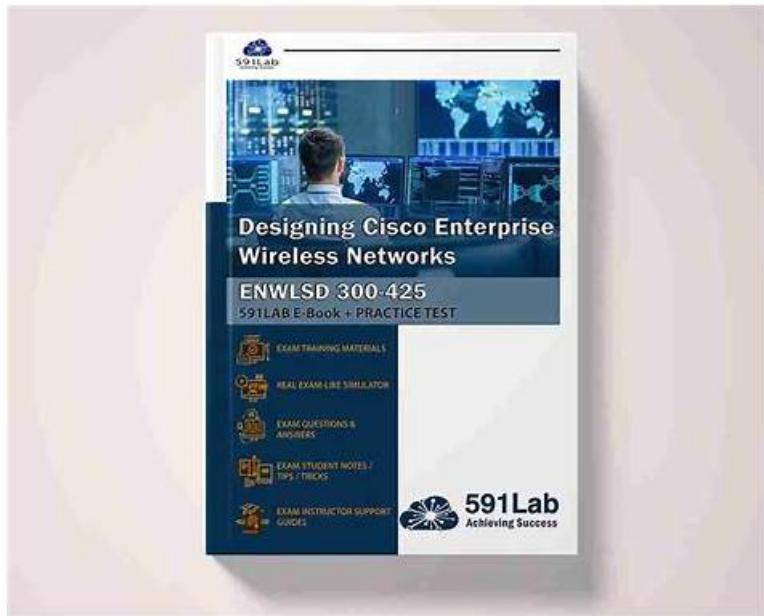# 100% Pass 300-425 - Designing Cisco Enterprise Wireless Networks Updated Free Test Questions

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Certification in Cisco 300-425 provides many benefits to network engineers and architects. Designing Cisco Enterprise Wireless Networks certification validates their knowledge and skills in designing and deploying Cisco Enterprise Wireless Networks, which can help them advance their careers and increase their earning potential. Additionally, certification holders can demonstrate their ability to manage and troubleshoot wireless networks, which can help them gain the trust and respect of their peers and employers. Ultimately, certification in Cisco 300-425 is a valuable credential for anyone who works with wireless technologies and wants to

demonstrate their expertise in this area.

Cisco Designing Cisco Enterprise Wireless Networks Sample Questions (Q196-Q201):

NEW QUESTION # 196
An engineer must perform a Layer 2 survey for a mining facility. Which type of antenna does the engineer use in the mine shaft?

- A. dipole
- B. omnidirectional
- C. internal
- D. patch

Answer: B

Explanation:
In a mining facility, especially within mine shafts where the environment can be long and narrow, an omnidirectional antenna is typically used for a Layer 2 survey. This type of antenna radiates RF signal equally in all directions, providing coverage along the length of the shaft.

NEW QUESTION # 197
A customer celled with a requirement that internal clients must be on different subnets depending on the building they are in, AH access points are operating in local mode and will not be modified, and this is a single controller solution. Which design approach creates the desired result?

- A. Create AP groups for each desired location, map the correct VLANs to the internal SSID, and add the access points for that location.
- B. Create mobility anchors for the SSID, and on the controller under the internal SSID. create a foreign map to the desired VLAN based on location.
- C. Create FlexConnecI groups, place the access points in. and sat the correct VLAN to SSID mapping based on location.
- D. Create an SSID, place it to the desired VLAN under WLANs, and configure 802 lx in ISE to assign the correct VLAN based on the SSID from which the client is authenticating.

Answer: A

NEW QUESTION # 198
An engineer has performed a predictive site survey for high-speed data and voice in an indoor office. What is the recommended data rate with -67 dBm signal level for optimal VoWLAN design?

- A. 6 Mbps on 802.11 bgn
- B. 24 Mbps on 802.11 bgn
- C. 24 Mbps on 802.11 an
- D. 12 Mbps on 802.11 an

Answer: C

Explanation:

Coverage cells can be created for specific data rates. For a high density deployment or a deployment where a large number of calls are required within a small floor space, 802.11ac is recommended because of the number of channels and the 54 Mbps data rate. The lower data rates in 802.11ac can be disabled, the 24 Mbps data rate can be set to required, while the 36 to 54 Mbps data rates can be left enabled.

NEW QUESTION # 199
A wireless engineer is utilizing the voice readiness tool in Cisco Prime for a customer that wants to deploy Cisco IP phones. Which dBm range is the network inspected against?

- A. -78 to -65 dBm

- B. -85 to -65 dBm
- C. -85 to -67 dBm
- D. -72 to -67 dBm

Answer: D

Explanation:
The voice readiness tool in Cisco Prime inspects the network against a dBm range that is suitable for voice over Wi-Fi. The range of -72 to -67 dBm is considered optimal for voice applications, ensuring clear audio quality and minimal packet loss.
https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/34/user/guide
/bk_CiscoPrimeInfrastructure_3_4_0_UserGuide
/bk_CiscoPrimeInfrastructure_3_4_0_UserGuide_chapter_01010.html

NEW QUESTION # 200
When a wireless network is designed for location services, how many APs must be heard by each location-ready AP at a signal level of -75 dBm or better?

- A. no more than three APs
- B. three APs
- C. two APs
- D. at least four APs

Answer: D

Explanation:
For accurate location services, it is recommended that each location-ready AP hears at least four other APs at a signal level of -75 dBm or better. This ensures sufficient signal overlap and triangulation accuracy for reliable client location tracking. References: Cisco's guidelines on wireless network design for location services.

NEW QUESTION # 201
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