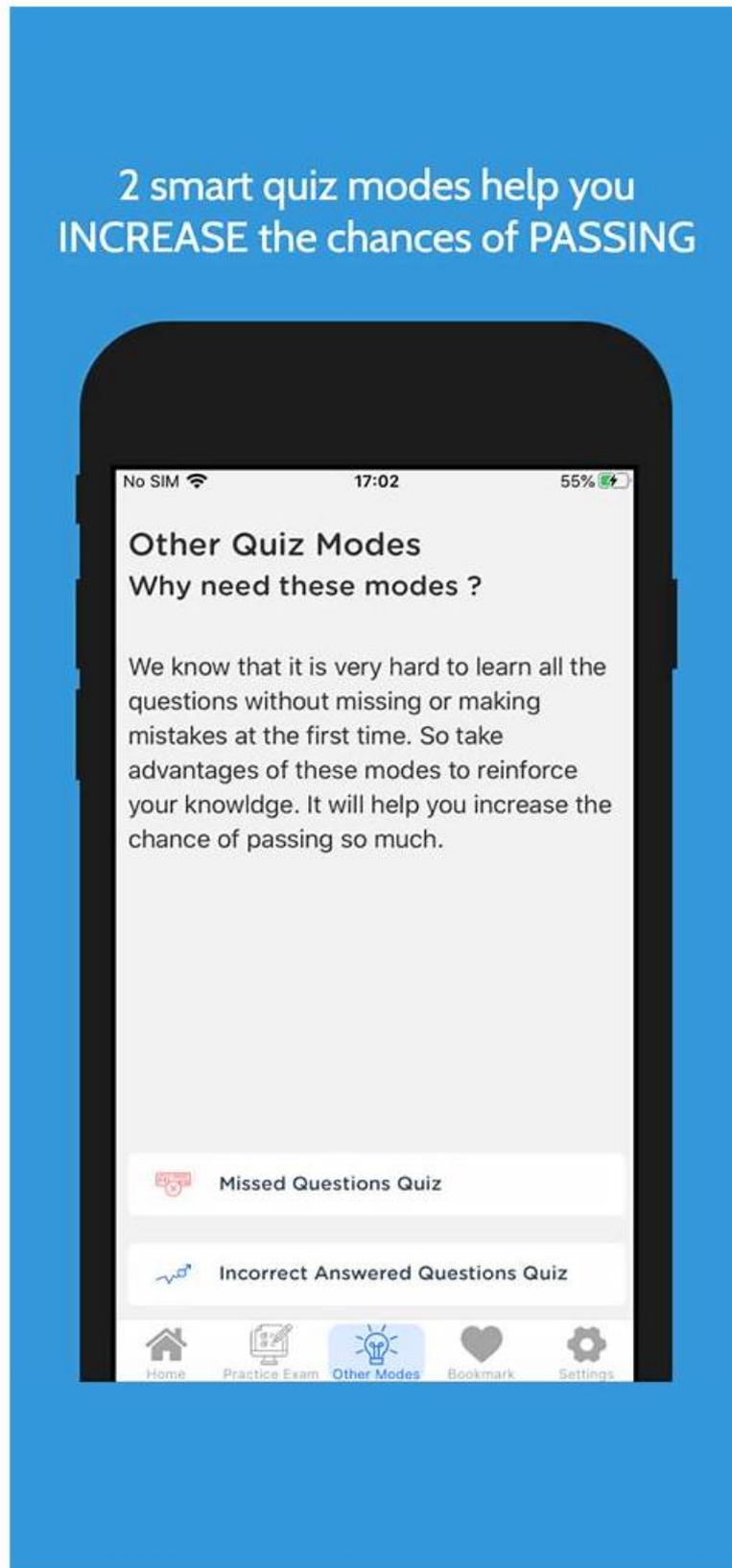


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The majority of people encounter the issue of finding extraordinary Certified Wireless Design Professional (CWDP-305) exam dumps that can help them prepare for the actual CWNP CWDP-305 exam. They strive to locate authentic and up-to-date CWNP CWDP-305 Practice Questions for the Financials in Certified Wireless Design Professional (CWDP-305) exam, which is a tough ask.

CWNP CWDP-305 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Validate and Optimize the WLAN: This section of the exam measures the skills of a WLAN Optimization Specialist and assesses the ability to test, validate, and fine-tune wireless networks post-deployment. Key tasks include RF validation surveys, performance testing, troubleshooting connectivity and security issues, and applying appropriate physical or RF adjustments. It also involves client testing and final project handover, including documentation, knowledge transfer, and meetings to ensure long-term WLAN success.
Topic 2	<ul style="list-style-type: none">• Define Specifications for the WLAN: This section of the exam measures the skills of a Wireless Network Planner and focuses on gathering business and technical requirements needed for designing wireless LANs. It includes understanding user needs, regulatory and safety constraints, and environmental factors. Candidates are expected to identify critical elements such as coverage, capacity, security, and device compatibility, and to analyse existing infrastructure and documentation to ensure a successful design strategy.
Topic 3	<ul style="list-style-type: none">• Design the WLAN: This section of the exam measures the skills of a WLAN Design Engineer and covers the process of selecting configurations, architecture types, and wireless components to meet business and technical requirements. It includes using design software, selecting access points and antennas, and applying methodologies such as predictive or measured design. Candidates must demonstrate the ability to produce effective documentation and configure features like QoS, roaming security, and network services for different types of client devices and applications.
Topic 4	<ul style="list-style-type: none">• Deploy the WLAN: This section of the exam measures the skills of a WLAN Implementation Specialist and involves overseeing the deployment phase of wireless networks. It focuses on understanding deployment procedures for various WLAN architectures, configuring supporting infrastructure, and verifying proper installation. The section also addresses physical installation checks, documentation handover, and quality assurance practices during ongoing installations.

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CWNP Certified Wireless Design Professional Sample Questions (Q46-Q51):

NEW QUESTION # 46

A customer is acquiring a new VoWLAN system to replace their existing wired phone system. When reading about this system's requirements, you learned that it requires 25 dB of SNR to work as expected. After surveying the environment, you discovered that the noise floor is -88 dBm. What should be the minimum RSSI value to meet the system's requirements?

- A. -67 dBm
- B. -65 dBm
- C. -70 dBm

- D. -63 dBm

Answer: B

Explanation:

Signal-to-Noise Ratio (SNR) is a critical metric in VoWLAN deployments, as voice applications are sensitive to latency and require clear signal quality. SNR is calculated by subtracting the noise floor from the received signal strength indicator (RSSI).

Given:

Required SNR: 25 dB

Noise floor: -88 dBm

To achieve the required SNR:

$RSSI = \text{Noise Floor} + \text{SNR}$

$RSSI = -88 \text{ dBm} + 25 \text{ dB} = -63 \text{ dBm}$

The CWDP-305 Official Study and Reference Guide emphasizes the importance of maintaining adequate SNR for voice applications:

"Voice over WLAN requires a minimum SNR to ensure call quality and reliability. Designing for appropriate RSSI levels relative to the noise floor is essential." Therefore, to meet the system's requirements, the minimum RSSI should be -63 dBm.

Reference: CWDP-305 Official Study and Reference Guide, Chapter on Designing for Specific Applications

NEW QUESTION # 47

Main Topic: Post-Design Validation and Troubleshooting

Question:

When viewing channel utilization information from a protocol analyzer, if high channel utilization is occurring, what should you ensure does not exist?

- A. High frames per second
- B. High levels of workload
- **C. An RF signal generator causing an RF DoS**
- D. A high percentage of low PHY rates

Answer: C

Explanation:

Comprehensive and Detailed Explanation:

High channel utilization can be caused by various factors, but one critical issue to rule out is the presence of an RF signal generator causing a Denial of Service (DoS) attack. Such devices can emit continuous or intermittent signals that occupy the channel, preventing legitimate Wi-Fi communication. Identifying and eliminating such sources is essential for maintaining optimal network performance.

Low PHY rates: Can contribute to increased airtime usage but are not the primary concern in this context.

High workload or frame rates: Indicate heavy usage but not necessarily malicious interference.

Reference: CWDP-305 Study Guide, Chapter on Post-Design Validation - Spectrum Analysis and Interference Sources.

NEW QUESTION # 48

What statement is true of a WLAN design that supports Real-Time Location Services (RTLS) with 802.11 RFID asset tags?

- A. With passive tags, AP transmit gain should be increased to supply extra power for near-field coupling or backscatter modulation from the tag to the AP since the passive tag lacks an internal power source.
- **B. Passive tags do not communicate directly with the WLAN infrastructure, but instead they rely on the tag reader to communicate tag information to the location server.**
- C. Active RFID tags periodically transmit 802.11 beacon management frames that must be synchronized with the AP for proper location of the tagged asset.
- D. When passive tags are implemented, the AP density should be increased by 25% to make up for the shorter transmit range of passive tags as compared to active tags.

Answer: B

Explanation:

Comprehensive and Detailed Explanation:

Passive RFID tags lack an internal power source and rely on energy transmitted from an RFID reader to power up and communicate. In WLAN designs supporting RTLS, passive tags do not directly communicate with the WLAN infrastructure.

Instead, they depend on tag readers to capture their information and relay it to the location server. This design consideration is crucial for accurate asset tracking and management.

Reference: CWDP-305 Official Study Guide, Chapter on Designing for Specific Applications

NEW QUESTION # 49

Your customer's 802.11n laptops are not able to see the SSID in the 5 GHz band in the conference room.

When doing a walkthrough using one of these laptops, you confirm that it is unable to see the SSID in the 5 GHz band in the conference room. When using your own 802.11ac laptop, you're able to see the SSID. What is the most likely cause of this problem?

- A. The AP is configured to use channel 36
- B. Their laptops are SISO clients
- C. The AP is on channel 144
- D. The customer laptop does not support Transmit Beamforming

Answer: C

Explanation:

In the 5 GHz band, certain channels like 144 are not universally supported across all devices, especially older 802.11n clients. If the AP is operating on channel 144, and the client's regulatory domain or hardware does not support this channel, the SSID will not be visible to the client.

The CWDP-305 Official Study and Reference Guide notes:

"Client devices may not support all channels in the 5 GHz band, depending on their regulatory domain and hardware capabilities. Channel 144, for example, is not supported by all 802.11n clients." Reference: CWDP-305 Official Study and Reference Guide, Chapter on Post-Design Validation and Troubleshooting

NEW QUESTION # 50

What limitation exists when WMM is not enabled on an 802.11 WLAN?

- A. The maximum channel-width will be 20 MHz
- B. 802.11 QoS will not be available
- C. Only two ACs will be available
- D. EDCA values will change

Answer: B

Explanation:

Wi-Fi Multimedia (WMM) is a feature that enables Quality of Service (QoS) on 802.11 networks, allowing for the prioritization of different types of traffic such as voice, video, and data. If WMM is not enabled, the network cannot differentiate or prioritize traffic types, leading to potential performance issues, especially for latency-sensitive applications like VoIP or video conferencing. Therefore, without WMM, 802.11 QoS functionalities are unavailable, impacting the overall efficiency and user experience of the WLAN.

Reference: CWDP-305 Official Study and Reference Guide, Chapter on Protocol and Spectrum Analysis

NEW QUESTION # 51

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