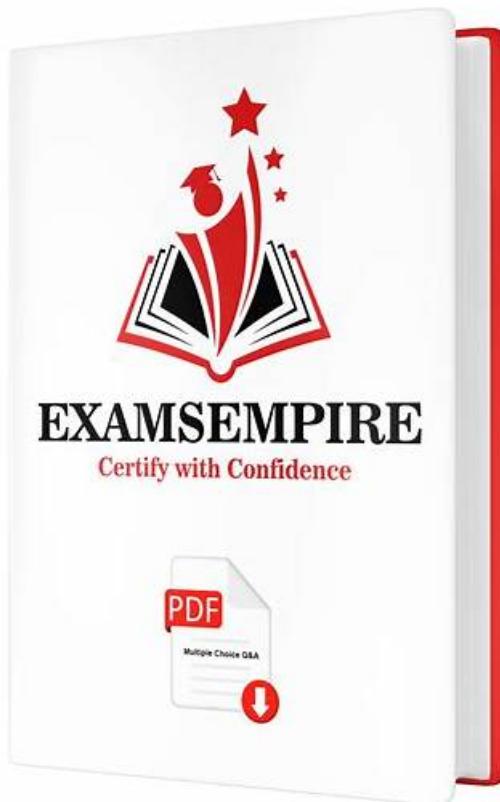


CWNP CWDP-305 Exam | New CWDP-305 Dumps Ebook - 10 Years of Excellence of New CWDP-305 Test Practice



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CWNP CWDP-305 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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 3	<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.
Topic 4	<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.

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CWNP Certified Wireless Design Professional Sample Questions (Q59-Q64):

NEW QUESTION # 59

What is a radome?

- A. A type of semi-circular ceiling found in atriums and that is a heavy cause of RF reflection.
- B. The unit used to measure the signal reflected backward by the end of a cable.
- C. A piece of metal positioned behind APs mounted on outdoor poles, designed to limit the butterfly effect.
- D. A weatherproof piece of plastic covering an antenna or antenna system**

Answer: D

Explanation:

A radome (a portmanteau of "radar" and "dome") is a structural, weatherproof enclosure that protects a radar or antenna system. Constructed from materials transparent to radio waves, such as fiberglass, radomes shield antennas from environmental elements like wind, rain, and debris without interfering with signal transmission.

They are commonly used in outdoor wireless deployments to ensure the longevity and performance of antenna systems.

Reference: CWDP-305 Official Study and Reference Guide, Chapter on Infrastructure Design

NEW QUESTION # 60

A museum requires its wireless access points to be discreetly integrated into the environment without sacrificing performance. Which design choice best meets this requirement while maintaining optimal functionality?

- A. Place the APs in between walls and I-beams
- B. Lock the AP inside of a metal box
- C. Use an 802.11b AP, so it looks old enough to be in a museum
- D. Use a plastic cover that could blend in with the environment**

Answer: D

NEW QUESTION # 61

You have performed a validation site survey after deploying a WLAN infrastructure that is an All-Wireless- Office. One specific

application of your customer is experiencing delay when using the application after moving from wired connectivity. After your validation, you realized that all APs are using 80 MHz channel-widths instead of 20 MHz on the 5 GHz band, as it was designed. What can be done to resolve the delay on this application?

- A. Reconfigure to use 20 MHz channel-widths, so reuse of the frequency is more effective
- B. APs should be using 160 MHz channel-widths to get more throughput
- C. Power-off half of the APs to reduce CCI and keep 80 MHz channel-widths
- D. Add more APs using 80 MHz channel-widths

Answer: A

Explanation:

Comprehensive and Detailed Explanation:

Using wider channel widths like 80 MHz can increase throughput but also reduces the number of available non-overlapping channels, leading to increased co-channel interference (CCI), especially in dense environments. Reconfiguring APs to use 20 MHz channel-widths enhances frequency reuse and minimizes CCI, thereby improving application performance in an All-Wireless-Office setup.

Reference: CWDP-305 Official Study and Reference Guide, Chapter on Post-Design Validation and Troubleshooting

NEW QUESTION # 62

An engineering firm just upgraded their WLAN from nine 802.11n APs to nine 802.11ac APs. After this upgrade, they did not see any improvement in throughput. What is the most likely cause of this result?

- A. The APs are still using the 5 GHz lower band
- B. APs are mounted on the wall
- C. APs are transmitting at a low transmit power
- D. The clients were not upgraded

Answer: D

Explanation:

Upgrading access points (APs) from 802.11n to 802.11ac can offer higher throughput and improved performance. However, to realize these benefits, client devices must also support the newer standard. If the clients remain on 802.11n, they cannot leverage the advanced features of 802.11ac, such as wider channel bandwidths, higher modulation schemes, and increased spatial streams.

The CWDP-305 Official Study and Reference Guide emphasizes the importance of considering client capabilities during WLAN upgrades:

"When upgrading a WLAN, it's essential to assess both infrastructure and client devices. Upgrading APs without corresponding client support may not yield the expected performance improvements." Therefore, in this scenario, the most likely cause of the unchanged throughput is that the client devices were not upgraded to support 802.11ac.

Reference: CWDP-305 Official Study and Reference Guide, Chapter on Infrastructure Design

NEW QUESTION # 63

Your customer has selected switches that support 802.3bz MultiGig interfaces and 4x4:4 802.11ac Wave 2 APs with dual-5GHz capabilities. The APs have one MultiGig interface, and some cable runs will exceed 180.5 feet (55 meters). To support MultiGig speeds, which is the best cabling option?

- A. Cat-5
- B. Cat-6a
- C. Cat-5e
- D. Cat-6

Answer: C

NEW QUESTION # 64

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