RUCKUS RCWA New Dumps Pdf - RCWA Test Questions Fee

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RUCKUS RCWA Exam Syllabus Topics:

Topic	Details
Topic 1	• Wi-Fi Solution Enhancement through Tuning and Optimization: This section of the exam measures skills of the Certified Logistics Technician and focuses on advanced techniques for fine-tuning and optimizing Wi-Fi network performance after deployment. It includes balancing load and frequency bands, implementing airtime fairness and decongestion methods, and using advanced 802.11 roaming amendments (k, r, v) to improve client mobility. The section also covers optimizing radio settings, such as Client Admission Control (CAC), and managing channel selection and power optimization, including the use of DFS and RUCKUS AI features.

Topic 2	• RUCKUS Technologies, products & solutions: This section of the exam measures skills of the Certified Logistics Technician and covers RUCKUS-specific technologies, such as proprietary Wi-Fi features, Bonjour Gateway, and automated cell sizing capabilities. It focuses on the proper selection and sizing of RUCKUS controllers (SmartZone, Unleashed, ROne • Cloud) and Access Points (APs) based on platform limitations. Furthermore, it includes knowledge of advanced features like clustering, geo-redundancy, initial IoT integration, and the necessary processes for product licensing and using RUCKUS support tools and documentation.
Topic 3	• RUCKUS Wi-Fi Solutions: This section of the exam measures skills of the Certified Logistics Technician and covers the detailed, hands-on implementation and setup of RUCKUS solutions, specifically for SmartZone and RUCKUS One platforms. It requires knowledge of initial system setup, implementing licensing, and configuring all core network elements, including clusters, redundancy, AP groups, zones, and advanced WLAN features such as dynamic VLANs and SmartMesh. The section also covers detailed AP configuration steps, best practices for deployment, and setting up security and access controls like RBAC and guest access via captive portals.
Topic 4	• Wi-Fi Solution Troubleshooting & Repair: This section of the exam measures skills of the Certified Logistics Associate and covers the essential processes for data gathering, analysis, and troubleshooting common issues, such as client connectivity failures and problems with AP-to-controller communication. It requires using diagnostic tools, including built-in speed tests and packet • frame capture, as well as understanding how to use logs and integrate with communication protocols like AAA, Syslog, and SNMP for effective diagnosis and repair.
Topic 5	• Foundational Wi-Fi technologies, standards & concepts: This section of the exam measures skills of the Certified Logistics Associate and covers the foundational principles of Wi-Fi, including radio frequency (RF) concepts, global 802.11 standards, and frequency channelization up to the latest standards (a • b • g • n • ac • ax • BE). It assesses knowledge of antenna characteristics, the difference between Mesh and point-to-point connections, and the basics of authentication methods, including certificate usage and the high-level steps of client roaming across access points.
Topic 6	• Designing & Planning a RUCKUS Wi-Fi Solution: This section of the exam measures skills of the Certified Logistics Technician and focuses heavily on the detailed process of planning a RUCKUS Wi-Fi network, including gathering design requirements using site survey tools like Ekahau. It assesses the ability to define strategies for traffic management, load balancing, and network segmentation using technologies like VXLAN. This area also covers selecting the right products for specific use cases, and designing comprehensive security policies that involve RADIUS, PKI, and Role-Based Access Control (RBAC), alongside detailed AP management planning like discovery methods and PoE budgeting.

RCWA Test Questions Fee & RCWA Latest Exam Format

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RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q50-Q55):

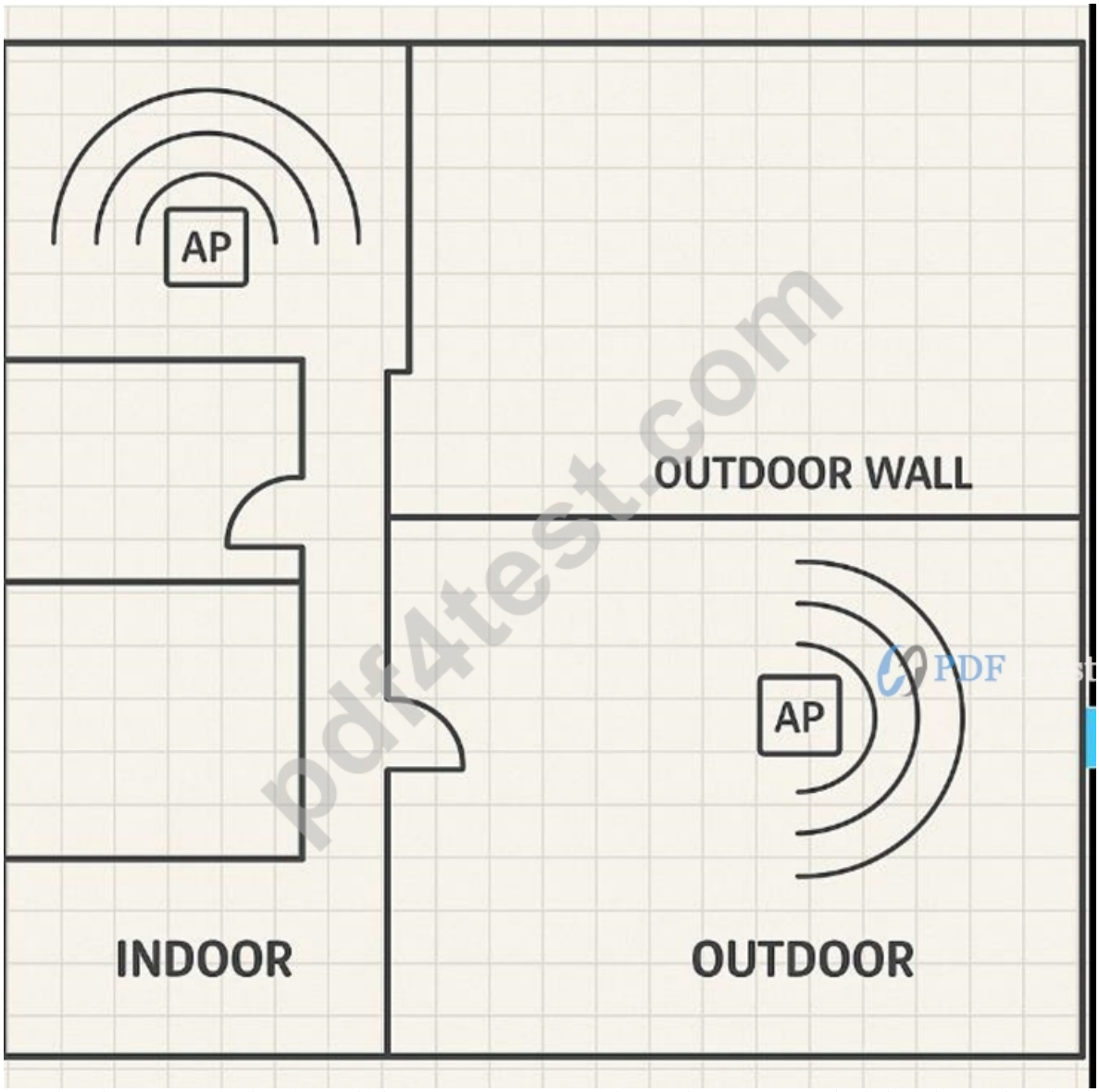
NEW QUESTION # 50
Which three Ethernet Port Profile configuration options are available in SmartZone for APs? (Choose three.)

- A. Tunnel Profile selection
- B. LAG creation
- C. 802.1X Authentication
- D. Spanning Tree mode
- E. Number of clients
- F. Port speed

Answer: C,D,F

Explanation:
AnEthernet Port ProfileinSmartZonedefines wired interface behavior and port settings for access points that have multiple Ethernet ports. These profiles are used to configure connectivity, security, and redundancy on wired links between APs and the upstream network.
According to theRUCKUS One Online Help - AP Ethernet Port ProfilesandSmartZone 5.x Configuration Guide, the following parameters are supported:
* Port Speed (A):Defines link negotiation-Auto, 10/100/1000 Mbps, or fixed rate.
* Spanning Tree Mode (D):Controls loop prevention through STP configuration on AP Ethernet ports.
* 802.1X Authentication (E):Enables port-based authentication for secure wired access on AP Ethernet interfaces, commonly used in hospitality and MDU deployments.
Other listed options-LAG creation(handled via controller-side link aggregation configuration),number of clients(a WLAN-level setting), andTunnel Profile selection(handled under WLAN or Zone configuration)- are not part of the Ethernet Port Profile feature.
Thus, the correct answers areA (Port speed),D (Spanning Tree mode), andE (802.1X Authentication).
References:
RUCKUS One Online Help - AP Ethernet Port Profile Configuration
RUCKUS Analytics 3.5 User Guide - Port Configuration and Wired Interface Statistics RUCKUS AI Documentation - AP Ethernet and Wired Port Control Features

NEW QUESTION # 51
Review the exhibit.



Based on the AP mounting locations, which AP antenna types provide complete coverage to both the indoor and outdoor areas?

- A. The indoor space should use Omni-Directional, while the outdoor space should use a Yagi antenna.
- B. The indoor space should use Semi-Directional, while the outdoor space should use a Patch antenna.
- C. The indoor space should use Semi-Directional, while the outdoor space should use a Yagi antenna.
- D. The indoor space should use Omni-Directional, while the outdoor space should use a Patch antenna.

Answer: D

Explanation:
In this layout, the indoor APs are centrally mounted to provide even signal distribution in all directions, while outdoor APs are wall-mounted facing the exterior coverage zone.
According to RUCKUS One Online Help - Antenna Selection and Deployment and RUCKUS AI Documentation - RF Design Guidelines, the best configuration for complete coverage is:
Indoor space: Use Omni-Directional antennas, which radiate uniformly in 360° for even indoor coverage and minimal dead zones.
Outdoor space: Use Patch antennas, which are semi-directional with a 60°-90° beamwidth ideal for covering patios, courtyards, or building perimeters without wasting signal behind the AP.
Yagi antennas are highly directional and suited for long-distance point-to-point links, not area coverage. Semi-directional indoor antennas are unnecessary unless indoor partitioning or wall density requires focused energy.
This combination-Omni indoors and Patch outdoors-provides optimal performance for mixed indoor-outdoor designs and aligns with RUCKUS high-density deployment best practices.
Reference:
RUCKUS One Online Help - Antenna Orientation and Coverage Recommendations RUCKUS Analytics 3.5 User Guide - RF Propagation and Signal Distribution Analysis RUCKUS AI Documentation - Mixed Environment RF and Antenna Design

NEW QUESTION # 52
When configuring a WLAN for 802.1X, which mode will provide authentication service for APs in the event of a controller failure?

- A. Dynamic PSK
- B. Proxy
- C. Non-proxy
- D. Local user database

Answer: D

Explanation:
When configuring an802.1X-secured WLAN, RUCKUS systems such asSmartZone,RUCKUS One, or RUCKUS Cloudtypically rely on anexternal RADIUS serverfor user authentication. However, in the event of acontroller failure or connectivity loss to the RADIUS server,RUCKUS APs can continue to authenticate users locally if thelocal user databaseis enabled and configured.
TheLocal Authentication Databaseallows APs or controllers to store a limited set of credentials that can be used when external AAA services are unavailable. This ensurescontinued access and redundancyfor critical WLANs without requiring external dependency.
According toRUCKUS One Online Help - WLAN Configuration and AAA Settings, enabling theLocal Authentication Databaseprovides fallback authentication for 802.1X clients during system or connectivity failures.
In contrast, theproxyandnon-proxymodes define how authentication requests are relayed to the RADIUS server, whileDynamic PSK (DPSK)is a separate authentication method that replaces 802.1X with per-user keys.
References:
RUCKUS One Online Help - WLAN Configuration: AAA Authentication and Fallback Options RUCKUS Analytics 3.5 User Guide - Client Authentication and WLAN Events Ruckus Cloud / RUCKUS AI Documentation - Authentication Mode Descriptions

NEW QUESTION # 53
Which three actions help keep airtime utilization low within a wireless deployment? (Choose three.)

- A. Creating extra WLANs to spread usage
- B. Mitigating sources of non-802.11 interference
- C. Ensuring sufficient AP capacity for clients
- D. Requiring all APs to use full transmit power
- E. Placing APs for coverage only
- F. Limiting older/legacy clients

Answer: B,C,F

Explanation:
Maintaining low airtime utilization is key to achieving high efficiency and performance in Wi-Fi networks. RUCKUS recommends minimizing factors that increase channel contention and protocol overhead.
Per RUCKUS One Online Help - Airtime Management and Optimization and RUCKUS AI Documentation - Channel Utilization Insights, the following actions are most effective:
(A) Limiting older/legacy clients: 802.11a/b/g clients transmit at lower rates and occupy more airtime per packet.
(D) Ensuring sufficient AP capacity for clients: Proper AP density ensures users are distributed evenly, reducing per-AP contention.
(F) Mitigating non-802.11 interference: Removing microwave ovens, Bluetooth devices, and other RF noise sources prevents wasted airtime from retries.
Adding more SSIDs (WLANs) increases management frame overhead, and full transmit power causes excessive cell overlap-both raise airtime use.
Reference:
RUCKUS One Online Help - Airtime Utilization and Channel Efficiency Tuning RUCKUS Analytics 3.5 User Guide - Channel Utilization and RF Health RUCKUS AI Documentation - Wi-Fi Efficiency and Airtime Optimization Techniques

NEW QUESTION # 54
Which 802.11 PHY layer feature allows Wi-Fi 6 (802.11ax) to efficiently serve multiple clients simultaneously on both uplink and downlink?

- A. MU-MIMO

- B. QAM256
- C. OFDMA
- D. RTS/CTS

Answer: C

Explanation:
OFDMA (Orthogonal Frequency Division Multiple Access)is one of the core features introduced inIEEE
802.11ax (Wi-Fi 6). It divides a channel into smaller subcarriers calledResource Units (RUs), allowing an AP to communicate with multiple clients simultaneously, both on uplink and downlink.
According to theRUCKUS One Online Help - Wi-Fi 6 Features Overview, OFDMA improves spectrum efficiency, reduces latency, and increases throughput in high-density environments. RUCKUS APs such as the R750andR850use OFDMA in coordination withRUCKUS AI's client traffic analysisto allocate resources dynamically.
In contrast,MU-MIMOalso supports multi-user communication but only in one direction (downlink for
802.11ac Wave 2, both for 11ax).QAM256enhances modulation efficiency but doesn't enable concurrent multi-client service.
References:
RUCKUS One Online Help - Wi-Fi 6 and OFDMA Operations
RUCKUS Analytics 3.5 User Guide - PHY Layer Metrics and Multi-user Efficiency RUCKUS AI Documentation - Resource Unit Allocation and Client Scheduling

NEW QUESTION # 55
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