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RCWA Exam Study Guide



RCWA

RUCKUS Certified Wi-Fi Associate Exam



Price: \$150 USD

RUCKUS Certification Score

Passing Score: 65%

Questions: 60

Exam Duration: 2 Hours

Study time: 20-60 hours

Language: English only

Validity Period

RCN Certification is valid for a period of three (3) years.

Retake Policy

Five (5) retakes allowed within one year.

Retakes are restricted as follows:

1st: one (1) immediate retake

2nd: 1-4 days after first retake

3rd-5th: 30-days between each retake

Each attempt is subject to exam fee.

Exam Description

As a RUCKUS Certified Wi-Fi Associate (RCWA), you must be able to design, deploy and manage RUCKUS Wi-Fi solutions in a variety of production environments. This exam assesses your ability to design, configure, administer, troubleshoot, and optimize RUCKUS Wi-Fi solutions.

Ideal Candidate

Before attempting the exam, you should have these critical competencies and experience:

- Foundational Wi-Fi technologies, standards, and concepts
- RUCKUS technologies, products, and solutions
- Designing and planning RUCKUS Wi-Fi solutions
- Wi-Fi solution installation, configuration, and setup
- Wi-Fi solution enhancement through tuning and optimization
- Wi-Fi solution troubleshooting and repair
- RUCKUS Wi-Fi solution management

Preparatory Courses and Study Materials

RUCKUS provides a variety of free online supporting courses listed on page 3 of this document. The Exam Blueprint starting on page 2 an overview of the topics covered in the exam. You can also use the [RCWA Nishell Study Guide](#) (see Other Online Resources below).

Target Audience

This certification is designed for wireless network designers, installers and administrators, Wi-Fi solutions architects and Wi-Fi support engineers tasked with design, installation, configuration, management, administration and troubleshooting of RUCKUS Wi-Fi deployments.

Self-Assessment Worksheet

To help you identify areas to focus your study activities, we offer a [self-assessment worksheet](#) that allows you to rate your confidence on the many topics covered in the exam. Below you'll find a blueprint of these topics with links into support documentation, followed by a list of supporting courseware.

BEFORE SCHEDULING YOUR EXAM

Prepare and test your system by following the instructions in [What to Expect](#) and this [video](#).

QUESTIONS?

Contact rcwa@ruckus.com

If you are preparing for the practice exam, we can make sure that the RCWA test practice files from our company will be the best choice for you, and you cannot find the better study materials than our company'. There are a lot of advantages of our RCWA preparation materials, and you can free download the demo of our RCWA training guide to know the special functions of our RCWA prep guide in detail. And you will know the quality of our RCWA study prep as well. We are hopeful that you will like our RCWA exam questions.

The ExamcollectionPass is one of the top-rated and trusted platforms that are committed to making the RUCKUS Certified Wi-Fi Associate Exam (RCWA) certification exam journey successful. To achieve this objective ExamcollectionPass has hired a team of experienced and qualified RUCKUS RCWA Exam trainers. They work together and put all their expertise to maintain the top standard of RUCKUS Certified Wi-Fi Associate Exam (RCWA) practice test all the time.

>> RCWA Learning Materials <<

2026 Reliable RUCKUS RCWA: RUCKUS Certified Wi-Fi Associate Exam Learning Materials

This RUCKUS PDF file is a really convenient and manageable format. Furthermore, the RUCKUS RCWA PDF is printable which enables you to study or revise questions on the go. This can be helpful since staring at a screen during long study hours can be tiring and the RCWA PDF hardcopy format is much more comfortable. And this RUCKUS Certified Wi-Fi Associate Exam price is affordable.

RUCKUS Certified Wi-Fi Associate Exam Sample Questions (Q17-Q22):

NEW QUESTION # 17

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 in IEEE 802.11ax (Wi-Fi 6). It divides a channel into smaller subcarriers called Resource Units (RUs), allowing an AP to communicate with multiple clients simultaneously, both on uplink and downlink.

According to the RUCKUS 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 R750 and R850 use OFDMA in coordination with RUCKUS AI's client traffic analysis to allocate resources dynamically.

In contrast, MU-MIMO also supports multi-user communication but only in one direction (downlink for 802.11ac Wave 2, both for 11ax). QAM256 enhances modulation efficiency but doesn't enable concurrent multi-client service.

Reference:

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 # 18

What unit is commonly used to display RSSI values?

- A. Ohms
- B. dBi
- **C. dBm**
- D. Watts

Answer: C

Explanation:

RSSI (Received Signal Strength Indicator) is a key measurement representing the power level of a received RF signal. It is typically displayed in dBm (decibel-milliwatts), a logarithmic unit that expresses the power relative to 1 milliwatt. In Wi-Fi systems, RSSI values usually range between -30 dBm (excellent) and -90 dBm (very weak).

According to the RUCKUS One Online Help and the RUCKUS Analytics 3.5 User Guide, signal strength metrics shown in dashboards, client views, and RF reports are represented in dBm for consistency across platforms. This allows network engineers to correlate signal levels with client connectivity performance and thresholds used for roaming or troubleshooting.

Other units such as dBi refer to antenna gain, Watts measure absolute power (not typically used in client reporting), and Ohms measure resistance. Thus, dBm is the correct and standard unit used for RSSI measurement in RUCKUS and all IEEE 802.11-based systems.

Reference:

RUCKUS One Online Help - Radio Settings and Signal Strength Indicators

RUCKUS Analytics 3.5 User Guide - Client Signal and Noise Metrics

RUCKUS AI Documentation - Understanding RSSI, SNR, and RF Metrics

NEW QUESTION # 19

Which three states are indicated by the LEDs on RUCKUS indoor APs? (Choose three.)

- A. Routable IP address assigned
- **B. Controller connected**
- C. Data plane tunnel connected
- **D. Insufficient PoE power**

- E. Clients connected to a radio
- F. USB dongle inserted

Answer: B,D,E

Explanation:

RUCKUS indoor Access Points use status LEDs to communicate key operational states during deployment and runtime. The LEDs provide immediate visual feedback about the AP's connectivity, power condition, and client activity.

According to the RUCKUS One Online Help - Access Point LED Indicators, and verified in the RUCKUS AI documentation, the LEDs typically display the following primary states:

Controller Connected (A): Confirms that the AP has successfully registered and established a control session with the RUCKUS controller or RUCKUS Cloud instance.

Insufficient PoE Power (C): Indicates that the AP is receiving inadequate power, such as being powered through 802.3af instead of 802.3at, which may disable high-power features or additional radios.

Clients Connected to a Radio (D): Lights up when one or more clients are associated with the AP's wireless radios, signifying active WLAN operation.

Other listed options-USB dongle inserted, data plane tunnel connected, and routable IP assigned-are not standard LED indications across RUCKUS indoor AP models. They may represent system events but not physical LED states.

Reference:

RUCKUS One Online Help - Access Point LED Status Indicators

RUCKUS Analytics 3.5 User Guide - AP Connectivity and Power Monitoring

RUCKUS AI Documentation - Hardware and Connectivity Indicators for RUCKUS Indoor APs

(docs.cloud.ruckuswireless.com/RUCKUS-AI/userguide/index.html)

NEW QUESTION # 20

Review the exhibit. What can be determined about this SmartZone? (Choose three.)

SmartZone			3 of 4
Management	ON	MGMT 0	Nic 1
Control	ON	10.6.14.91/24	Nic 2
Cluster	ON	10.6.131.51/24	Nic 3
Management	ON	V'CRL 0	Nic

- A. The controller is part of a four-node cluster.
- B. This is a virtual SmartZone Essentials (vSZ-E).
- C. The server has three physical 1 Gbps NICs.
- D. This is a virtual SmartZone High-Scale (vSZ-H).
- E. The management, control, and cluster interfaces use a single NIC.
- F. The controller is using three port groups, one for each NIC/function.

Answer: C,D,F

Explanation:

The exhibit shows a virtual SmartZone (vSZ) configuration running in a VMware environment with three separate virtual NICs (vNICs), each mapped to a different port group: Management, Control, and Cluster.

According to RUCKUS One Online Help - SmartZone Interface Configuration and RUCKUS AI Documentation - SmartZone High-Scale Architecture, this design is specific to vSZ-H (High-Scale) deployments, which require three distinct network interfaces for distributed control, management, and cluster synchronization.

The three NIC mappings confirm physical or virtual separation of traffic for scalability and redundancy (A and E). vSZ-E (Essentials) requires only two interfaces (Management and Control) and does not use a dedicated cluster interface, distinguishing it from vSZ-H (D).

There is no indication of a four-node cluster in the exhibit, and SmartZone appliances typically show node counts under the Cluster Dashboard, not at the NIC configuration stage.

Thus, based on the configuration, this is a vSZ-H system with three NICs and three port groups, each serving a dedicated function. Reference:

RUCKUS One Online Help - SmartZone vSZ-H Network Interface Roles

RUCKUS Analytics 3.5 User Guide - Controller Connectivity and Cluster Interfaces RUCKUS AI Documentation - vSZ-H Deployment Topologies and Port Group Mapping

NEW QUESTION # 21

Client connections in a RUCKUS outdoor deployment are unstable at the outer edge. These client signals are not strong enough to properly communicate to the AP.

What action will resolve this issue?

- A. Change client polarity to match AP
- B. Enable RTS/CTS mechanisms
- C. Implement antennas with increased gain
- D. Increase outdoor AP power

Answer: C

Explanation:

(This question is intentionally repeated for reinforcement, and the correct logic remains identical to Q35.) RUCKUS documentation consistently advises increasing antenna gain instead of transmit power when client devices (e.g., smartphones, tablets) cannot sustain uplink performance.

Directional or high-gain antennas improve the effective radiated power (ERP) in the intended coverage direction and strengthen both uplink and downlink paths without violating regulatory limits.

RUCKUS AI and RUCKUS Analytics tools can identify poor edge-client SNRs, confirming when directional antenna optimization is necessary.

Reference:

RUCKUS One Online Help - Outdoor Wi-Fi Optimization and Antenna Gain Guidelines RUCKUS Analytics 3.5 User Guide - Edge Client Performance Diagnostics RUCKUS AI Documentation - RF Optimization and Uplink Path Gain Improvement

NEW QUESTION # 22

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Study Materials RCWA Review: <https://www.examcollectionpass.com/RUCKUS/RCWA-practice-exam-dumps.html>

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