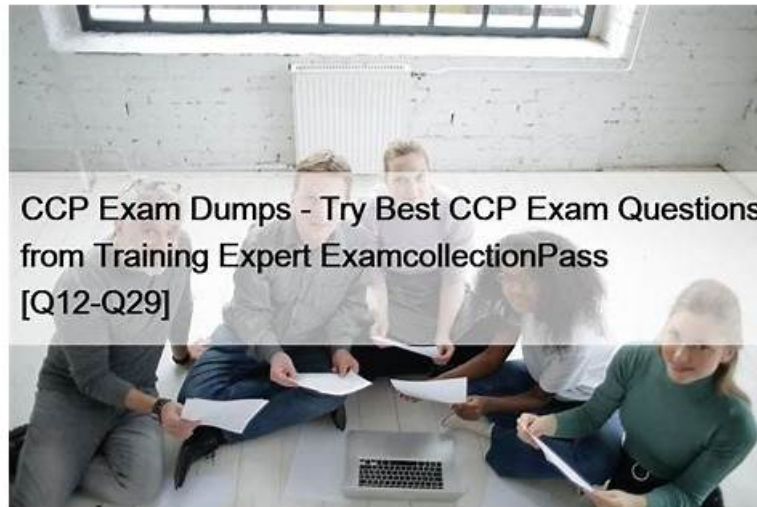


CWISA-103 Free Learning Cram - CWISA-103 Examcollection Free Dumps



Are you planning to attempt the CWNP CWISA-103 certification exam and don't know where to study for it and pass it with good marks? GetValidTest has designed the Certified Wireless IoT Solutions Administrator(2025 Edition) (CWISA-103) Questions, especially for the students who want to pass the CWISA-103 Certification Exam with good marks in a short time. These Certified Wireless IoT Solutions Administrator(2025 Edition) (CWISA-103) practice test questions are available in three different formats that you can carry with you anywhere and even do preparation in extra or free time with ease.

CWNP CWISA-103 Exam Syllabus Topics:

Topic	Details
Topic 1	• Wireless Technologies: This section of the exam measures the skills of Wireless Architects and covers foundational knowledge of wireless IoT technologies and their applications. It includes maintaining awareness of emerging technologies through research, understanding common applications and their associated frequencies and protocols, and familiarity with key standards organizations like IEEE, IETF, and Wi-Fi Alliance. The domain also encompasses defining various wireless network types including WLAN, WPAN, and IoT implementations across industries, along with understanding the hardware and software components of IoT devices and gateways, covering processors, memory, radios, sensors, and operating systems.
Topic 2	• Supporting Wireless Solutions: This section of the exam measures the skills of Wireless Support Engineers and focuses on the ongoing administration and support of wireless solutions across various vertical markets. It involves administering solutions in healthcare, industrial, smart cities, retail, and other environments while troubleshooting common problems including interference, configuration issues, and hardware malfunctions. The domain includes determining the best use of scripting and programming solutions for IoT implementations, understanding data structures and APIs, and comprehending networking and security protocols. It also covers understanding application architectures and their impact on wireless solutions, including single-tier and multi-tier architectures, database systems, and application servers.
Topic 3	• Implementing Wireless Solutions: This section of the exam measures the skills of Wireless Implementation Specialists and covers the practical implementation of wireless IoT solutions. It involves understanding key issues related to automation, integration, monitoring, and management, and using best practices in implementation, including pilot testing, configuration, installation, and documentation. The domain includes validating implementations through testing and troubleshooting, performing installation procedures including equipment mounting and connectivity configuration, and implementing security solutions covering authentication, authorization, and encryption. It also encompasses knowledge transfer practice, including staff training and solution documentation.

Topic 4	• Planning Wireless Solutions: This section of the exam measures the skills of IoT Solutions Architects and encompasses the planning phase of wireless IoT solutions. It involves identifying system requirements, including use cases, capacity needs, security requirements, and integration needs, while considering constraints such as budgetary, technical, and regulatory limitations. The domain includes selecting appropriate wireless solutions based on requirements, planning for technical needs, including LAN • WAN networking and frequency coordination, and understanding the capabilities of common wireless IoT solutions like Bluetooth, Zigbee, and LoRaWAN, along with location services and methods.
Topic 5	• Radio Frequency Communications: This section of the exam measures the skills of RF Engineers and focuses on the fundamental principles of radio frequency communications. It involves explaining RF wave characteristics such as frequency, wavelength, and amplitude, and understanding behaviors like amplification, attenuation, and free space path loss. The domain covers describing modulation techniques including ASK, FSK, PSK, and QAM, and explaining the capabilities of RF components like radios, antennas, and cabling. It also includes describing the use and capabilities of different RF bands in terms of communication ranges and power levels.

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New Release CWNP CWISA-103 Exam Questions: Right Preparation Method [2025]

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CWNP Certified Wireless IoT Solutions Administrator(2025 Edition) Sample Questions (Q58-Q63):

NEW QUESTION # 58

You are planning a wireless solution. Why should you consider an ongoing monitoring system for use after the solution is deployed?

- A. The number of users and the use of the solution will change over time and monitoring allows for detection of these changes
- B. To ensure that the system continues to meet the original requirements, even if users later indicate poor performance
- C. Implementation validation is never completed, it continues throughout the life of the system
- D. Monitoring the solution provides additional billable hours

Answer: A

Explanation:

- * Ongoing Monitoring for Adaptability: Wireless networks are dynamic environments. Ongoing monitoring is essential because:
- * Changing Usage Patterns: User numbers and how they utilize the network evolve over time.
- * Capacity Adjustments: Monitoring reveals if the network needs scaling for more devices or changing use cases.
- * Security: Helps detect unauthorized access or anomalies.

References

- * Importance of Wireless Network Monitoring: Resources will detail its role in proactive management

NEW QUESTION # 59

What is the typical range of a wireless body area network (WBAN)?

- A. 1-2 meters
- B. 10 square meters
- C. 10 meters
- D. 10 centimeters

Answer: A

Explanation:

- * WBAN Range: Wireless Body Area Networks (WBANs) specialize in short-range communication around the human body. Typical ranges fall within 1-2 meters.
- * Purpose: This range is designed to:
 - * Connect sensors monitoring health metrics.
 - * Transmit data to a central coordinator device (e.g., smartphone).
 - * Minimize interference potential with other wireless networks.

References

- * WBAN Overview: https://en.wikipedia.org/wiki/Body_area_network
- * WBAN Research Paper (Check Range Discussion): <https://www.mdpi.com/2224-2708/11/4/67>

NEW QUESTION # 60

What user authentication method is commonly used in guest Wi-Fi networks in the hospitality industry?

- **A. Captive portal**
- B. NTLM
- C. SIM cards
- D. Kerberos

Answer: A

Explanation:

- * Captive Portals for Guest Access: These are web pages that intercept users' requests before granting full internet access. They often require agreeing to terms, entering basic information, or viewing ads.
- * Hospitality Fit: Captive portals are simple to deploy, require minimal user setup, and provide control for the hospitality provider (e.g., usage limits).
- * Why Other Options Are Less Common:
 - * NTLM: Microsoft authentication, mainly for corporate networks, too complex for casual guest use.
 - * Kerberos: Complex authentication for enterprise, overkill for guest Wi-Fi
 - * SIM Cards: Used in cellular devices, not for general Wi-Fi access.

References:

Captive Portals: Explanations of how they work and their use cases.

Guest Wi-Fi in Hospitality: Best practices highlight the prevalence of captive portals in this industry.

NEW QUESTION # 61

When deploying devices in an indoor manufacturing environment, which IP rating is more likely to be required?

- A. IP46
- B. IP47
- **C. IP66**
- D. IP38

Answer: C

Explanation:

- * IP Ratings & Manufacturing: IP66 provides:
 - * Dust-tight: (First '6') Complete protection against dust ingress.
 - * Powerful Water Jets: (Second '6') Protection against strong water jets from any direction.
- * Harsh Manufacturing Environments: IP66 is common due to dust, dirt, and potential exposure to liquids during cleaning or spills.

References

- * IP Ratings: https://en.wikipedia.org/wiki/IP_Code

NEW QUESTION # 62

In the simplified three-layer model for wireless IoT, what is the universal primary function of the Perception layer?

- A. Providing the network across which data can be transmitted to the cloud
- B. Decrypting local data to send across the unencrypted IoT network

- C. Gathering and transmitting data to be used for actions, analysis or reporting
- D. Analyzing data for actions and reporting using AI and ML

Answer: C

Explanation:

- * Perception Layer: The foundation of an IoT system, it consists of sensors and actuators that:
- * Sense: Collect data about the environment or object being monitored.
- * Actuate: Potentially make changes based on commands (e.g., a smart valve opening/closing).
- * Transmit: Send gathered data to upper layers for processing.

NEW QUESTION # 63

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