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The TestKingIT is committed to making the entire Certified Wireless IoT Solutions Administrator(2025 Edition) (CWISA-103) exam preparation journey simple, smart, and successful. To achieve this objective the TestKingIT is offering the top-rated and updated Certified Wireless IoT Solutions Administrator(2025 Edition) (CWISA-103) exam practice test questions in three different formats. These formats are CWNP CWISA-103 web-based practice test software, desktop practice test software, and PDF dumps files.

CWNP CWISA-103 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">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 and 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 2	<ul style="list-style-type: none">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 practices including staff training and solution documentation.

Topic 3	<ul style="list-style-type: none"> 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 4	<ul style="list-style-type: none"> 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 5	<ul style="list-style-type: none"> 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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CWNP Certified Wireless IoT Solutions Administrator(2025 Edition) Sample Questions (Q69-Q74):

NEW QUESTION # 69

You have implemented a wireless mesh network. All mesh nodes are properly configured for participation in the same mesh network. Several of the mesh nodes are unable to connect to other mesh nodes. What action may provide a solution to this problem?

- A. Change the output power settings only on the faulty mesh nodes
- B. Place the faulty mesh nodes in their own mesh network
- C. Change the security settings on the faulty mesh nodes
- D. Move the faulty mesh nodes to provide for better signal strength**

Answer: D

Explanation:

* Mesh Connectivity Depends on Signal: Mesh nodes relay data for each other. Weak signal strength between nodes can disrupt connectivity throughout the network.

* Troubleshooting Signal Issues: Physically relocating affected nodes can improve their ability to form stable connections with other nodes in the mesh.

* Why Other Options May Not Help:

* Separate Mesh: Splits the network, not solving the root connectivity issue

- * Output Power: May help marginally, but significant improvement is typically achieved through repositioning.
- * Security Settings: Unlikely to cause connectivity issues between properly configured nodes in the same mesh.

References:

- Wireless Mesh Network Troubleshooting: Guides addressing signal strength and coverage concerns.
- RF Site Survey Tools: Resources on software that can help visualize signal strength and aid in node placement.

NEW QUESTION # 70

Among these choices, what is the most common reason administrators use scripting during the deployment of a wireless solution?

- A. To reduce configuration errors
- B. To enhance the capabilities of the resulting solution
- C. To increase the signal strength of the resulting wireless links
- D. To provide time for playing solitaire

Answer: A

Explanation:

- * Automation for Consistency: Scripts eliminate the potential for human error during repetitive configuration tasks on multiple devices. This ensures uniformity across the wireless solution.
- * Speed and Efficiency: Scripts can be much faster than manual configuration, particularly in large deployments.
- * Other Benefits: While scripts might aid signal strength (e.g., optimizing settings) or enhance solution capabilities, their core value in configuration is reducing errors.

References:

Network Automation: Benefits of using scripts for configuration management.

Configuration Management Best Practices: Emphasize the importance of consistency and repeatability.

NEW QUESTION # 71

How does OFDMA differ from OFDM?

- A. OFDMA allows multiple devices to transmit simultaneously on the same frequency
- B. OFDMA offers greater range by using multiple channels at once
- C. OFDMA uses multiple radios to achieve higher throughput
- D. Subcarriers of OFDMA can contain data destined for a different receiver

Answer: A

Explanation:

OFDM (Orthogonal Frequency-Division Multiplexing): Divides a channel into multiple subcarriers for data transmission.

OFDMA (Orthogonal Frequency-Division Multiple Access): Extends OFDM by allowing multiple users to share subcarriers simultaneously, improving efficiency and spectral utilization.

NEW QUESTION # 72

What advantage is provided by using an NTP server within a wireless solution architecture?

- A. It ensures security through AES encryption
- B. It provides for name resolution for older network devices
- C. It provides for semi-automatic IP addressing in wireless sensor networks
- D. It ensures uniform, synchronized time among devices

Answer: D

Explanation:

- * Importance of Time Sync in IoT: Coordinated actions, accurate data analysis, and event logging in wireless IoT solutions often rely on devices having a shared time reference.
- * NTP's Role: Network Time Protocol (NTP) enables devices to synchronize their clocks against a reliable time source (NTP server), ensuring consistency across the network.
- * Why Other Options Don't Fit:
 - * IP Addressing: Usually handled by DHCP, not NTP.

* Encryption: SSL/TLS secure data in transit, not related to timekeeping.

* Name Resolution: Purpose of DNS, not NTP.

References:

Network Time Protocol (NTP): How it works and its importance in distributed systems.

IoT Time Synchronization Challenges: Articles highlighting the need for accuracy in sensor networks and similar use cases.

NEW QUESTION # 73

A Wi-Fi enabled weight scale is an example of what kind of health IoT device?

- A. injectable
- B. wearable
- C. implantable
- D. non-wearable

Answer: D

Explanation:

Health IoT Device Categories:

Wearable: Devices worn on the body (smartwatches, fitness trackers).

Non-wearable: Devices used without being worn (smart scales, connected medical equipment).

Implantable: Surgically inserted devices (pacemakers, glucose monitors).

NEW QUESTION # 74

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