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## HP HPE7-A03 Exam Syllabus Topics:

| Topic   | Details  |
|---------|--|
| Topic 1 | <ul style="list-style-type: none"><li>Propose the Solution: The focal point of this topic is creating the design documentation and the final design. Moreover, the topic also focuses on presenting the solution.</li></ul>  |
| Topic 2 | <ul style="list-style-type: none"><li>Discover Requirements: This topic defines the goals and identifies the current environment and the objectives. Lastly, it also focuses on collecting information.</li></ul>  |
| Topic 3 | <ul style="list-style-type: none"><li>Architect the Solution: It measures your knowledge about identifying the solution options, designing high-level topologies, selecting the correct products, and determining the suitable overlay and underlay design. Additionally, the topic discusses how to verify that the design meets the original requirements.</li></ul> |

- **Analyze Requirements:** It focuses on determining possible high-level solutions. The topic also discusses mapping the needs into technical solutions and evaluating the proposed solution against project objectives and dependencies. Moreover, it also focuses on documenting assumptions.

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## HP Aruba Certified Campus Access Architect Exam Sample Questions (Q48-Q53):

### NEW QUESTION # 48

XYZ Regional Hospital is an integrated healthcare system of hospitals, neighborhood health centers, and small doctor offices. XYZ Regional Hospital has recently merged with 4x neighborhood health centers and 125 doctor branch offices. The wireless, wired access, and AAA solutions are outdated and need to be replaced.

XYZ Regional Hospital is looking to future-proof and improve efficiency across all sites by enhancing wired and wireless access and migrating to a centralized and unified wired/wireless and policy management that can provide uninterrupted availability of all systems. Locations:

- XYZ Regional Hospital is located in New York City
  - Dila Health Center is located in City A
  - Mount Health Center is located in City B
  - Rock Health Center is located in City C
  - Branch clinics are located at different locations across the United States
  - Requirements:**
    - Provide, via management software, one single pane of glass to manage wired and wireless LANs, and VPNs across campus, branch, and remote via web/cloud architecture providing near real-time insight, troubleshooting tools, and Service Level performance reporting.
    - Seamless integration across wired, wireless, WAN, SD-Branch, IoT
    - Provide secure wireless access to all the employees of the Regional Hospital and partners, as well as provide wireless Internet access to medical citizens when they visit our facilities.
    - All-access points must support the following features and specifications: 802.11.ax (Wi-Fi 6E Certified)
    - Security options including WPA2/WPA3, 802.1X with Radius secure authentication
    - Identify and authenticate every wireless and wired device
    - End-to-end role-based security
    - Seamless mobility across the hospital for medical teams, patients, and visitors
    - Cuts Wi-Fi deployment times from days to hours and enables Zero-Touch deployments across the site
    - Establishes a resilient, future-ready network infrastructure with the intelligence, scalability, and intuitive toolsets to meet emerging needs
    - Fully redundant branch solution with dynamic path selection to the hospital
- XYZ Regional Hospital is looking to improve wireless coverage at its main campus. They would like to perform a wireless site survey to address their wireless issues. What should the Network Architect request to perform the wireless site survey? (Choose two.)

- A. presence of latency-sensitive applications
- **B. size of the main campus**
- C. number of devices and device types at the clinics
- D. wireless issues reported at the clinics
- **E. building maps for health centers**

**Answer: B,E**

**Explanation:**

Accurate wireless site surveys require building maps to model RF behavior and the campus size to scope the survey effort. These inputs allow proper planning of AP placement, survey paths, and coverage validation.

#### NEW QUESTION # 49

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- Cuts Wi-Fi deployment times from days to hours and enables Zero-Touch deployments across the site
- Establishes a resilient, future-ready network infrastructure with the intelligence, scalability, and intuitive toolsets to meet emerging needs
- Fully redundant branch solution with dynamic path selection to the hospital

A Regional Hospital will be implementing RADIUS authentication across all their switches. They are looking for a solution wherein they can use HPE Aruba Networking ClearPass Policy Manager to allow staff members from five different teams (AV team, security team, desktop/printer team, voice team, network & security team) to register these types of devices and control access to them to a specific team.

This registration, visibility, and access control to devices must be self-service. In addition, device registration needs to be removable on a scheduled basis.

What is the most appropriate solution for the hospital's requirements?

- A. HPE Aruba Networking ClearPass Endpoint Repository
- **B. HPE Aruba Networking ClearPass Device Registration**
- C. HPE Aruba Networking ClearPass Device Profiler
- D. HPE Aruba Networking ClearPass Device Insight

**Answer: B**

Explanation:

ClearPass Device Registration provides self-service onboarding for non-802.1X devices, allows role-based ownership by different teams, and supports scheduled removal. This directly matches the hospital's requirement to let multiple staff groups register and control their own device types with automated lifecycle management.

#### NEW QUESTION # 50

When is a Mode Conditioning Patch Cable required?

- A. A1000Base-SX Transceiver is operated with 62.5/125 cables up to 500 m
- **B. A1000Base-LX Transceiver is operated with 62.5/125 cables up to 500 m**
- C. A10GBase-LX Transceiver is operated with 62.5/125 cables up to 2 km
- D. A10GBase-IR Transceiver is operated with 62.5/125 cables up to 500 m

**Answer: B**

Explanation:

Mode Conditioning Patch Cables (MCPs) are used in situations where long wavelength laser transceivers, such as the 1000Base-LX, are deployed over multimode fiber types like the 62.5/125  $\mu\text{m}$ . The 1000Base-LX transceivers are designed primarily for use

with single-mode fiber, but they can operate over multimode fiber using an MCP. The MCP is necessary because the core size of multimode fiber (62.5/125  $\mu\text{m}$ ) is significantly larger than that of single-mode fiber, which can lead to modal dispersion when a single-mode laser signal enters the multimode fiber. This dispersion can degrade the signal quality over longer distances. The MCP mitigates this issue by aligning the single-mode laser output from the transceiver to a specific launch point in the multimode fiber, thus minimizing dispersion and allowing for effective data transmission over distances up to 500 meters.

#### NEW QUESTION # 51

ACME retail has 38 locations spread out across five US states and two provinces in Canada.

They are looking to grow 20% over the next two years. They have an HQ with a staff of 200 employees. The organization has eight Regional Managers and two VPs who work from home and the road. Stores typically have 17 employees on average per location. The two warehouses have a remote loading system and 20 employees each to load the trucks and fulfill the online orders. The warehouse has 40-foot ceilings and large metal racks to store inventory. The main location is 240K sq ft (22300 sq m) and the Canadian warehouse is 130K sq ft (12100 sq m). The forklifts on the loading docks are equipped with a wireless tablet on board. A typical store is reportedly about 60,000 sq ft (5575 sq m) and smaller stores are planned at 25,000 sq ft (2320 sq m). The locations need to expand the abilities to vendors that need to add setup displays or interactive kiosks in the stores. The current infrastructure was installed in 2015 and used wireless N technology in a coverage model. The wiring is Cat5, and they are unsure of the fiber connections. The inventory is all placed on the floor when it is delivered to the local store. Inventory control is handled through Zebra barcode scanners, and they have had a lot of issues in getting signals throughout the stores and this makes monthly inventory difficult. The organization has a small help desk to troubleshoot issues that happen at the retail locations and PC support for the office. The company is looking to upgrade away from the current PBX system later this year. With the need to grow and cut costs, they are interested in moving the data to the cloud but need to get almost real-time inventory control for the online service to function.

The network has all been wired over the last ten years, but with the new systems being all wireless, they have seen the trend to offer wireless to all the vendors for their needs but also would be to allow employees, guests, and contractors all to use it. With the new IT director starting next week, the project has been set by the CTO of the company. The marketing group has asked how they can interact with the customers and get more info, while the IT support desk needs to cut staff in half.

The office has an MDF and two IDFs located on floors one and two. The MDF is in the basement, and you have multiple WAN circuits for the HQ links. Each store has a local handoff from the cable company (ethernet) in the middle of the store in the office, so distance for the wiring is not an issue.

The customer has budget concerns but does want something that could last 7+ years.

ACME Retail is using 4-post racks. Which rack mounting kit is better suited for this project?

- A. optional Aruba 2-post Rack Mount Kit
- B. optional Third Party 4-post Rack Mount Kit
- C. optional Aruba Universal 4-post Rack Mount Kit
- D. included Rack Mounting Kit

**Answer: C**

Explanation:

For a large multinational retail company like ACME Retail that uses 4-post racks in their network infrastructure, the most suitable rack mounting kit would be the optional Aruba Universal 4-post Rack Mount Kit. This kit is designed to provide a secure and stable mounting solution for networking equipment in 4-post rack systems, which are commonly used in enterprise environments for their robustness and ability to support heavier equipment. The Aruba Universal

4-post Rack Mount Kit is versatile and designed to fit a wide range of Aruba switches and networking devices, making it an ideal choice for ACME Retail's project, ensuring compatibility and ease of installation across their various locations.

#### NEW QUESTION # 52

A large multinational financial institution has contracted you to design a new full-stack wired and wireless network for their new 6-story regional office building. The bottom two floors of this facility will be retail space for a large banking branch. The upper floors will be carpeted office space for corporate users, each floor being approximately 100,000 sq ft (9290 sqm). Data centers are all off site and will be out of scope for this project. The customer is underserved by its existing L2-based network infrastructure and would like to take advantage of modern best practices in the new design. The network should be fully resilient and fault-tolerant, with dynamic segmentation at the edge.

The retail space will include public guest Wi-Fi access. Retail associates will have corporate tablets for customer service, and there will be a mix of wired and wireless devices throughout the retail floors. The corporate users will primarily use wireless for connectivity, but several wired clients, printers, and hard VoIP phones will be in use.

The customer is also planning on renovating the corporate office space in order to take advantage of 'smart office' technology. These

improvements will drive blue-dot wayfinding, presence analytics, and other location-based services. The client decided that wired headless devices would be authenticated using Mac Authentication and would have RADIUS attributes sent back to the NAD to assign VLAN and port access parameters to the authentication session on the switch port.

- **A. ClearPass**
- B. Mobility Gateway
- C. Airwave
- **D. DHCP**

Explanation:

### NEW QUESTION # 53

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