HPE6-A66$^{Q\&As}$

Aruba Certified Design Associate Exam

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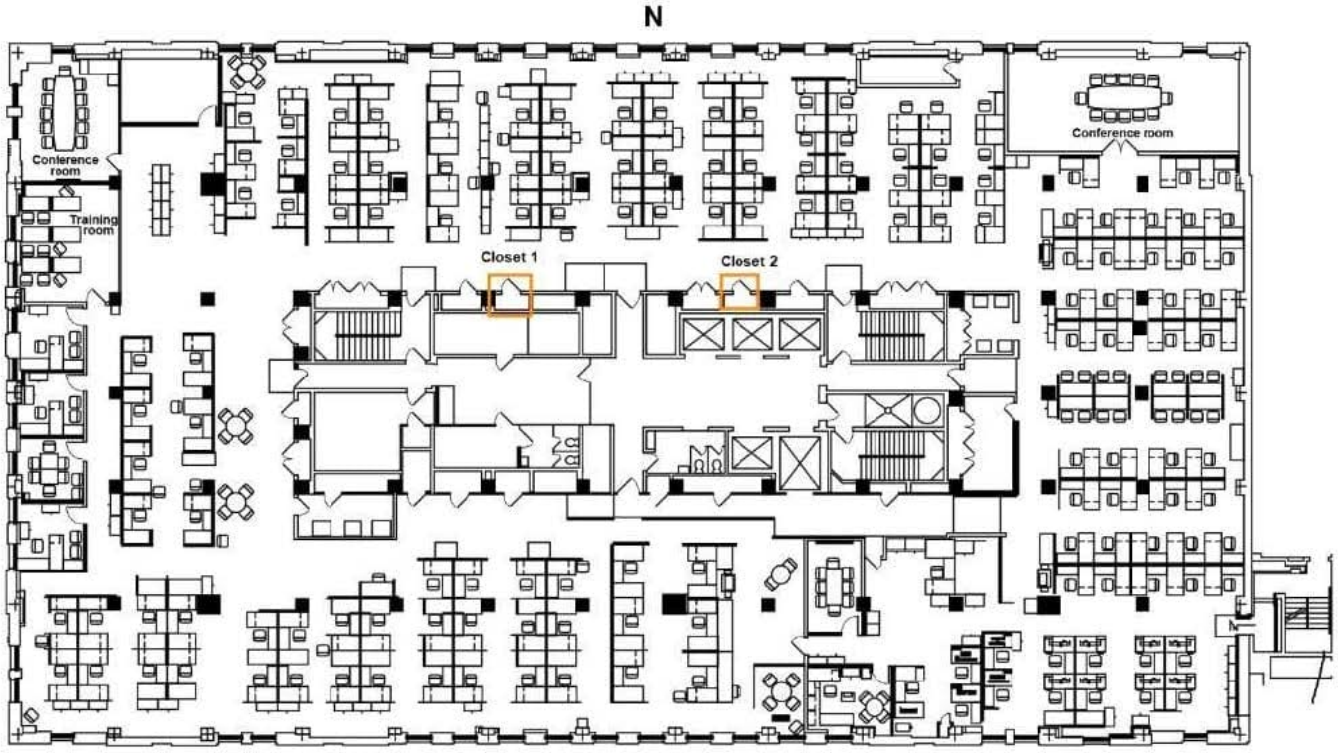
QUESTION 1

NewStellar has a main corporate campus in a business park with two adjacent buildings that are 150 feet apart (46 meters). This is an open campus with no obstructions between the two buildings Each building has three floors and each floor is 322 x 175 feet (98 x 53 meters) for 56,350 square feet (5,235 square meters) total, which results in a total of 338,100 feet (31,410 square meters) for the entire building space. The ceiling for each floor is 12 feet (3.6 meters) high with a dro

the attached exhibit.



This floor has a central main corridor with washrooms, stairs, elevators and supply, and network cabinets. There are cubicles around the perimeter of the floor. The central part main corridor\\'s dimensions contain 9,350 square feet (870 square meters). The company has determined that Wi-Fi coverage will not include the central area of each floor, which includes the washrooms, stairs, elevators and supply and network cabinets. Based on a capacity design, approximately how many APs should a network architect add to each floor to plan the design in VisuaiRF?

A. 40

B. 10

C. 20

D. 30

Correct Answer: C

QUESTION 2

A network architect is doing a site survey for a new wireless design One concern the company has with the old wireless network is coverage. In some cases, APs would lose power and some employees in the network would lose wireless connectivity. The new design needs to prevent this issue from occurring. During the site survey, what are best practices to be followed in regards to the dBm signal level and the power of the AP to ensure adequate wireless coverage and minimal overlap of AP signals for the new design?

A. AP power at 75% and a measurement of -90 dBM on the measuring device

B. AP power at 100% and a measurement of -65 dBM on the measuring device

C. AP power at 75% and a measurement of -80 dBM on the measuring device

D. AP power at 50% and a measurement of -65 dBM on the measuring device

Correct Answer: B

QUESTION 3

A company is redesigning their wireless network and will be upgrading all devices to support the latest wireless standards. The company is not near any radar installations. In order to keep wireless NIC power levels as low as possible to reduce interference issues and to take advantage of radar frequency ranges, what IEEE standard should APs support?

A. 802.11r

B. 802.11 ax

C. S02.11V

D. S02.11h

Correct Answer: B

QUESTION 4

A company needs to replace an existing legacy wireless and wired solution with one that supports features like 802 11 ax for APs and logical switching for switches. The company is located on a single floor with two wiring closets. Assume that there will be 10 APs connected via POE+ to each wiring closet, along with 36 wired user connections All switches on a floor should be configured in a single stack. The distance between wiring closets is 100 feet (31 meters). Which switching solution will minimally provide 10 Gbps uplinks at the most cost-effective price, while still meeting the company\\'s requirements?

A. 2930M switches

B. 2930F switches

C. 5406R switches

D. 3810M switches

Correct Answer: A

QUESTION 5

NewRocket requires a wireless capacity design 30 Aruba 510 APs will be connected to each wiring closet using SmartRate connections. Wireless coverage needs to be provided even if a POE+ switch loses power

Because of security concerns, wired video cameras were recently installed throughout the facility. There are 12 of these per floor. 6 per wiring closet. The cameras are 802.11n WiFi capable and have power injectors from which to draw

power.

Based on the POE+ needs of the mentioned devices, which solution would meet the POE+ requirements while still providing a redundant and cost-effective Wi-Fi solution for the devices that require POE+ for Building 1, Floor 2?

A. One 3810M 40G 8 HPE Smart Rate switch

B. Two 2930F 24-port POE+ switches

C. Two 2930M 24-port POE+ switches

D. One 2930M 48-port POE+ switch

Correct Answer: D