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**QUESTION 1**

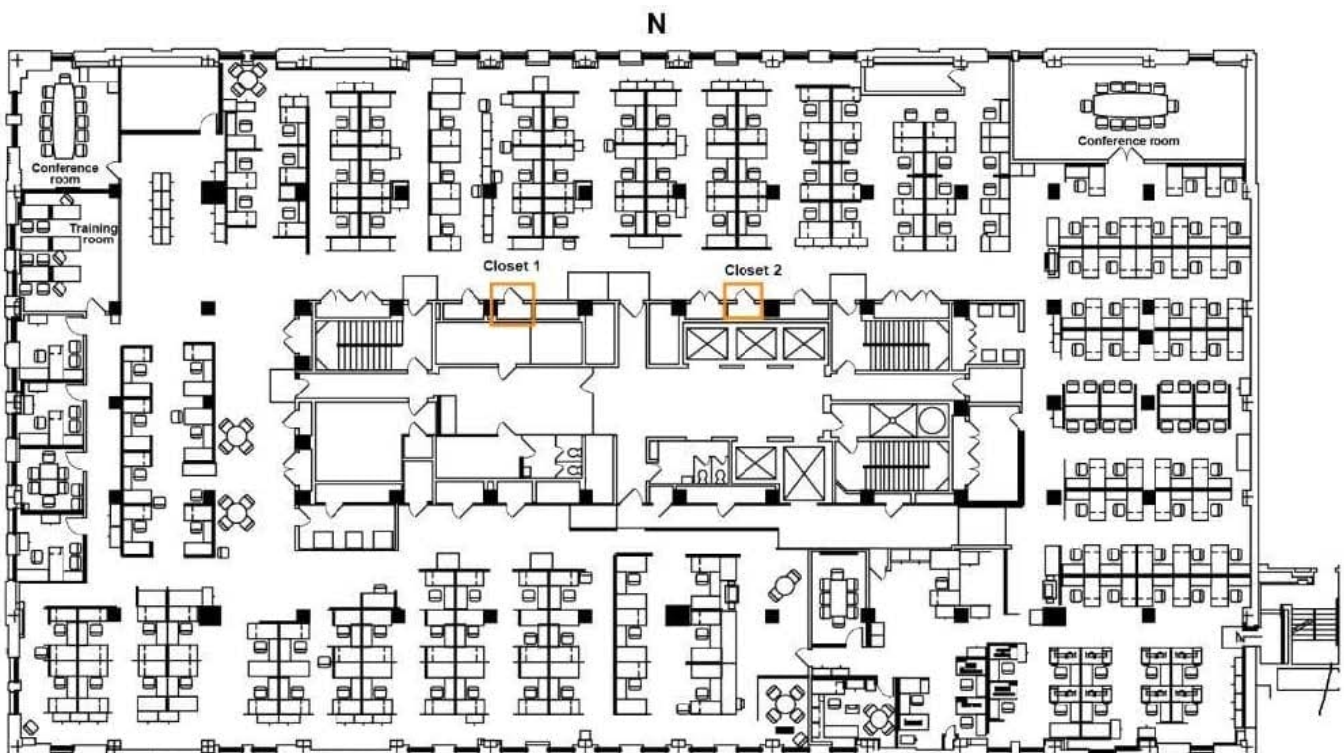
A network architect is designing a new Wi-Fi solution for a small university. The solution will involve two mobility controllers that will be clustered at the campus core. Because students use a lot of video in both the dormitory rooms and in the classrooms, the solution will need to support 50Gbps via link aggregation between the controllers and core switches. Which solution would most cost-effectively meet this requirement for the campus core?

- A. Aruba 7220 mobility controllers and 3810M switches
- B. Aruba 7210 mobility controllers and 5406R switches
- C. Aruba 7240XM mobility controllers and 3810M switches
- D. Aruba 7280 mobility controllers and 5406R switches

Correct Answer: A

QUESTION 2

A network architect is given the task to design a new network solution for NewStellar Company, Inc. NewStellar has a main corporate campus in a business park with two adjacent buildings. The network architect has given one floor to analyze, Building 1 Floor 2, shown in the attached exhibit.



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. Each 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).

Because of security concerns, video cameras will be installed throughout the facility. There are 16 of these per floor, 8 per wiring closet. The cameras are non-WiFi capable and require POE 802.3af- capable switch ports from which to draw

power.

A wireless capacity design is required. Assuming that wireless coverage is required across the Building 1, Floor 2, including the central area, and that half the required APs will connect to each wiring closet, approximately how many POE+

ports will be required per wiring closet for all devices that have POE or POE+ needs?

- A. 30
- B. 22
- C. 42
- D. 8

Correct Answer: A

QUESTION 3

A network architect plans to use two ArubaOS 5406 switches in a wiring closet configured in a VSF domain. The VSF link requires a 40 Gbps connection. Which SFP+ transceiver solutions would meet this requirement?

- A. QSFP+ LC
- B. SFP
- C. SmartRate
- D. QSFP28

Correct Answer: C

QUESTION 4

A network architect is replacing an old wireless implementation based on 802.11a with a new wireless solution. The company has a lot of money invested in legacy wireless barcode scanners and will not be replacing them. However, the bandwidth that the company expects each AP to have less than 700 Mbps in bandwidth, and this is not expected to change in the future. Which wireless solution would best meet this company's needs and be the most cost-effective?

- A. 802.11n
- B. 802.11ax



C. 802.11g

D. 802.11ac

Correct Answer: B

QUESTION 5

A customer requires a campus core virtualization solution that supports a dual control and management planes, as well as active-active forwarding paths. Which solution would meet the customer's requirements?

A. Mesh stacking

B. VSX

C. Backplane stacking

D. VSF

Correct Answer: C

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