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QUESTION 1

A nospltai needs an upgrade to 802.11ax for its wireless network, which needs to provide complete coverage The hospital has a concrete exterior and uses drywalls lor all of the interior walls with a few exceptions as mandated for safety The building has 10fool (3 m) ceilings. The hospital prefers to avoid the deployment of APs in rooms if possible. Exceptions include reception areas and lounges. The wireless network must support wireless medical devices, voice communicators for medical star, laptops in nursestations, medical staff tablets, and visitor and patient personal devices. All of these devices support both the 2.4GHz

and5GHz band.

The exhibits below show one wing of one floor of the hospital. This wing is about 2S.Q0D square feet {2GQQ sq, m). The unlabeled rooms along the bottom of the wing are patient rooms\\' other rooms such as lounges and the MR] room are

labeled. This area has:

*

 up to SO concurrent patients and visitors, who might have up to two devices

*

 about 200 medical and other types of wireless devices

The architect has already planned to place APs in stairwells on another floor.

Which AP plan for this wing of this floor meets the customer needs?

A.

Option A

B.

Option B

C.

Option C

D.

Option D

Correct Answer: A

* 40 concurrent staff members, who might have up to three devices
* about 200 medical and other types of wireless devices

The architect has already planned to place APs in stairwells on another floor.

Which AP plan for this wing of this floor meets the customer needs?

A.

16 APs

55 feet
(17 m)

B.

9 APs

55 feet
(17 m)

285 feet (87 m)

C.
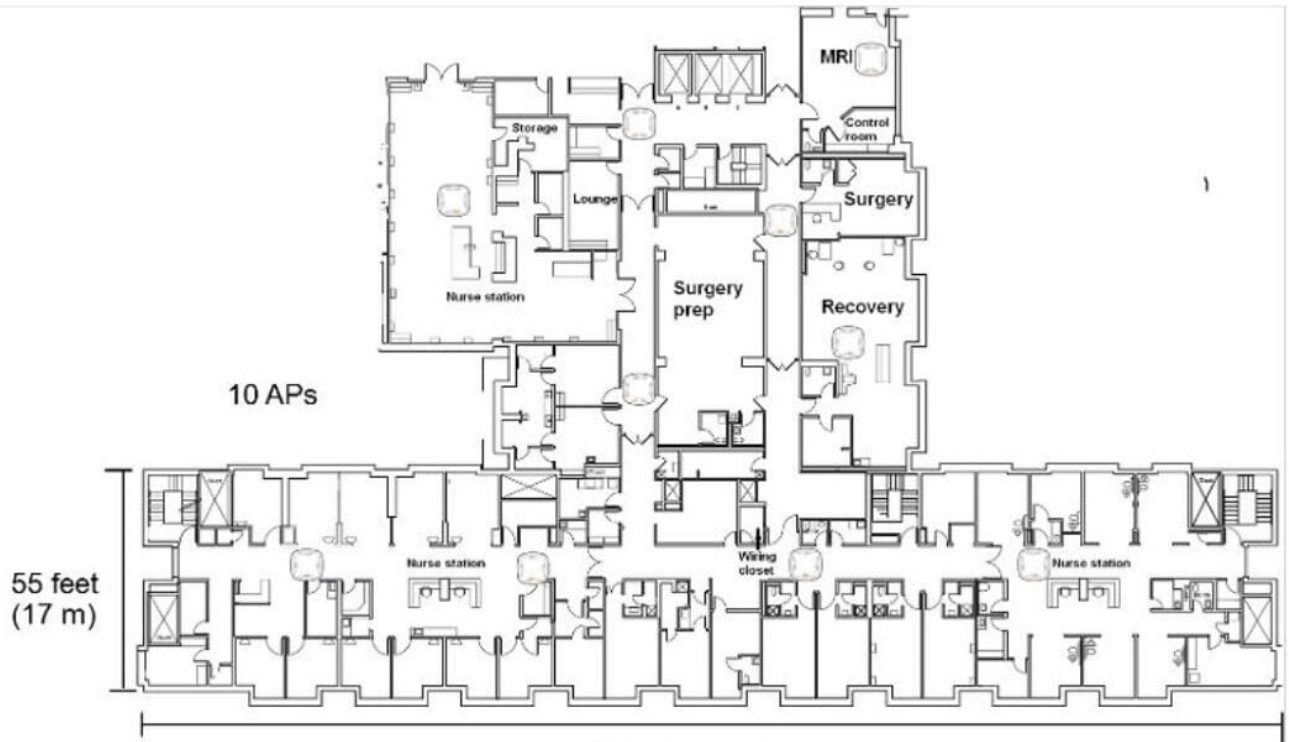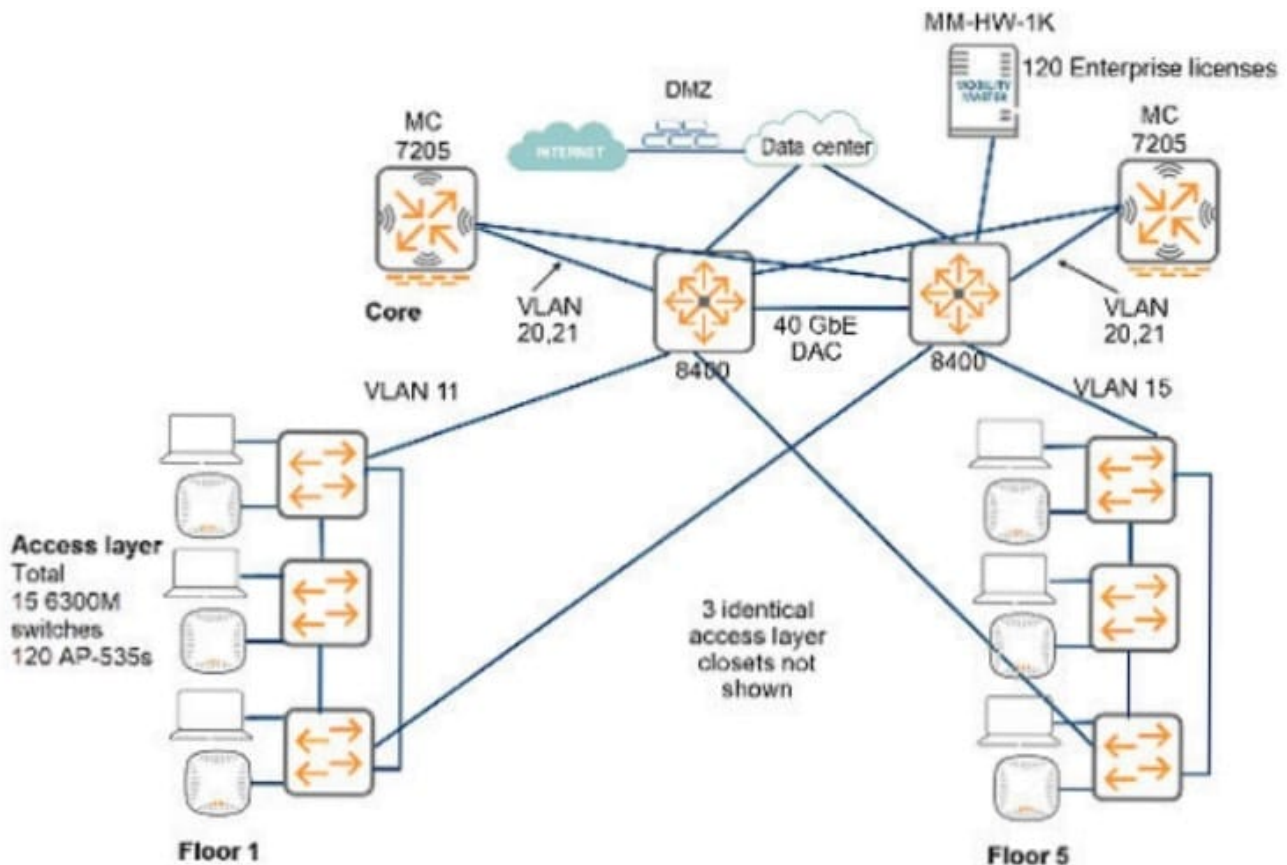

18 APs

55 feet
(17 m)

*

40 concurrent staff members, who might have up to three devices

QUESTION 2

Refer to the exhibit.

A customer has these availability requirements;

loss of one controller with stateful failover and without impact on wireless client connectivity loss of one core switch without loss of connectivity for any endpoints or APs in the building loss of any one switch-lo-switch or MC-to-switch link without loss of connectivity for any endpoints or APS in the building and with minimal impact on infrastructure functionality loss of any one access switch with minimal impact to wireless client connectivity

The exhibit shows the current plan for the topology.

Which change should the architect make to the plan to provide better support for the customers availability requirements?

A. Add VLANs 11 and 15 to the MC connections to ensure both MCS can manage any of the APS.

B. Add 120 additional AP licenses, so that each MC can support ail the APs, even if the other MC fails.

C. Use two 40GBE DACs between the core V3X switches for their switch links.

D. Change the 40GbE DAC on the 8400 switch to a stacking cable with stacking module.

Correct Answer: B

QUESTION 3

An indoor basKetbail stadium has 5.000 seats in two rings:

The stadium has a ceiling height of GO feet (18 m).

There is a catwalk around the perimeter of the basketball court, between the court and the seating areas.

This catwalk is 40 feet (12 m) from the floor.

There are two scoreboards at either end of the stadium.

The construction of the stadium is concrete and sleet.

The customer does not want an under-seat, picoceli deployment.

Which AP model is appropriate to provide coverage in the main stadium bawl?

A. AP-577

B. AP-555

C. AP-575

D. AP-505

Correct Answer: A

QUESTION 4

DRAG DROP

Match each hospital room with a potential issue for the AP design (Each match will be used once.)

Select and Place:

Hospital Room		Potential Issue
MRI room		thick concrete or lead-lined walls
X-Ray room		no AP allowed within for safety
Patient room		no special RF considerations

Correct Answer:

Hospital Room	Potential Issue
MRI room	no AP allowed within for safety
X-Ray room	no special RF considerations
Patient room	thick concrete or lead-lined walls

QUESTION 5

A hospital wireless network must support many different types of users and devices, including: Visitors who access the Internet Admin staff, who run applications such as scheduling Medical staff, who look up patient info on their tablets Patient monitoring devices, which must not lose any traffic Communicator badges, which support real-time voice to allow nurses and doctors to communicate

The hospital needs to ensure that the most vital and time-sensitive traffic is prioritized and that visitors do not interfere with hospital applications. The MC should mark traffic that passes through it for an appropriate priority.

Which plan meets the needs? (The plans describe firewall roles and rules but do not need to use correct syntax. Note that

security roles are also not included.)

A. Medical staff = Highest. Patient monitoring = Highest. Admin staff - High. Communicator = Normal. Visitors = Low.

B. Communicator = Highest. Patient monitoring = Highest. Medical staff = High. Admin staff = Normal: Visitors = Low.

C. Patient monitoring = Highest. Medical staff = Highest. communicators = High. Admin staff = High. Visitors = Normal.

D. Medical staff = Highest. Communicator = High. Patient monitoring = High. Admin = High. Visitors = Normal

Correct Answer: A

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