QUESTION 97
A customer has restricted the AP and antenna combinations for a design to be limited to one model integrated antenna AP for carpeted spaces and one model external antenna AP with high gam antennas tor industrial, maintenance, or storage areas. When moving between a carpeted area to an industrial area, the engineer forgets to change survey devices and surveys several Aps.
Which strategy will reduce the negative impact of the design?

A. Resurvey and adjust the design
B. Deploy unsurveyed access points to the design
C. Deploy the specified access points per area type
D. increase the Tx power on incorrectly surveyed access points

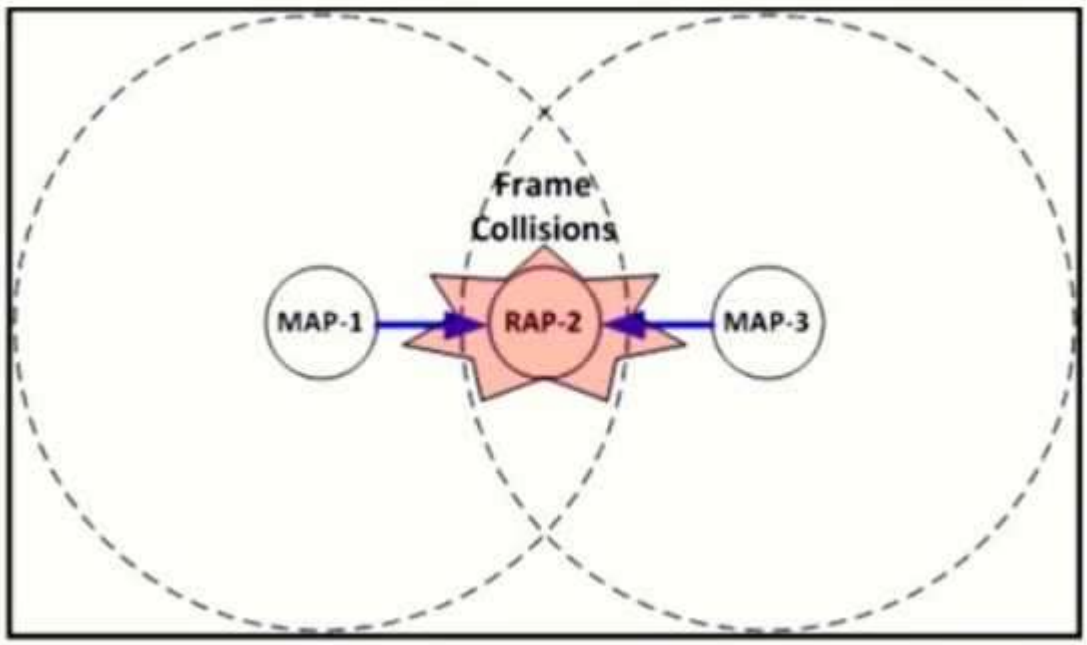
Answer: A

QUESTION 98
An engineer is designing a wireless network to support nigh availability. The network will need to support the total number of APs and client SSO. Live services should continue to work without interruption during the failover.
Which two requirements need to be incorporated into the design to meet these needs? (Choose two)

A. redundant vWLC
B. controller high availability pair with one of the WLCs having a valid AP count license
C. 10 sec RTT
D. back-to-back direct connection between WLCs
E. WLC 7.5 code or more recent

Answer: BD

QUESTION 99
Refer to the exhibit. During a post Mesh deployment survey, an engineer notices that frame cessions occur when MAP-1 and MAP-3 talk to RAP-2.
Which type of issue does the engineer need to address in the design?



A. co-channel interference
B. backhaul latency
C. hidden node
D. exposed node

Answer: A
Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/technology/mesh/73/design/guide/Mesh/Mesh_chapter_0100.html

QUESTION 100
An enterprise is using the wireless network as the main network connection for corporate users and guests. To ensure wireless network availability, two standalone controllers are installed in the head office APs are connected to the controllers using a round-robin approach to load balance the traffic. After a power cut, the wireless clients disconnect while roaming. An engineer tried to ping from the controller but fails.
Which protocol needs to be allowed between the networks that the controllers are Installed?

A. IP Protocol 67
B. IP Protocol 77
C. IP Protocol 87
D. IP Protocol 97

Answer: D

QUESTION 101
An engineer must perform a pre deployment site survey.
For a new building in a high-security area. The design must provide a primary signal RSSI of -65 dBM for the clients.
Which two requirements complete this design? (Choose two)

A. site access
B. AP model
C. WLC model
D. HVAC access
E. number of clients

Answer: BE

QUESTION 102
A network engineer is working on a predictive WLAN design. The new wireless network must support access to internet, email, voice, and the inventory database. To successfully support these services, which configuration must the engineer use for the signal strength levels and SNR on the planning tool?

A. signal strength of 67 dBm. 20-dB SNR and maximum 1 percent packet loss
B. signal strength of -67 dBm. 20-dB SNR. and maximum 5 percent packet loss
C. signal strength of -67 dBm. 25-dB SNR. and maximum 1 percent packet loss
D. signal strength of -70 dBm. 30-dB SNR. and maximum 10 percent packet loss

Answer: C
Explanation:
https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/116057site-survey-guidelines-wlan-00.html

QUESTION 103
An engineer performs a Layer 1 survey by using Metageek Chanatyzer only on the current operating channel.
Which operating mode is configured for a Cisco CleanAir AP?

A. local
B. sniffer
C. monitor
D. SE-connect

Answer: A
Explanation:
https://www.metageek.com/training/lessons/chanalyzer-clean-air.html

QUESTION 104
During a wireless network design a customer requires wireless coverage on the perimeter of a building. But also wants to minimize signal leakage from the wireless network.
Which antenna should be used to accomplish this design?

A. patch
B. dipole
C. monopole
D. omnidirectional

Answer: C
Explanation:
https://www.mwrf.com/technologies/passive-components/article/21844577/cshaped-slot-servesuwb-antenna

QUESTION 105
An engineer is designing a new wireless network. The network needs to meet these requirements:
- support a high wireless client concentration
- support data over wireless
- support voice over wireless
- avoid interference

Which design approach should be taken?

A. 5 GHz frequency band with channel bonding, to support 40 MHz channels
B. 5 GHz frequency band without channel bonding, to support 20 MHz channels
C. 5 GHz frequency band with channel bonding, to support 80 MHz channels
D. 2.4 GHz frequency band without channel bonding to support 20 MHz channels

Answer: D
Explanation:
https://www.cisco.com/c/dam/en_us/solutions/industries/docs/education/cisco_wlan_design_guid e.pdf

QUESTION 106
An engineer is using a Cisco AIR-2702i AP lo conduct a Layer l site survey.
Which mode is selected for the AP to discover non Wi-Fi interference with Metageek Chanaryzer?

A. Sniffer
B. FlexConnect
C. Monitor
D. SE-Connect

Answer: D
Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/74/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_010 001001.html

QUESTION 107
A network engineer is designing a new wireless network.
The network needs to have these characteristics:
- support high client concentration
- optimize client performance
- avoid interference
Which approach should be taken?

A. Deploy APs near each other for 5 GHz coverage, and disable the 2 4 GHz radios for some APs
B. Deploy APs near each other for 2 4 GHz coverage and disable the 5 GHz radios for all APs
C. Deploy APs near each other for 5 GHz coverage, and enable me 2.4 GHz radios for all APs.
D. Deploy APs near each other for 2 4 GHz coverage, and disable the 5 GHz radios for some APs

Answer: C
Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/86/b_Cisco_Wireless_LAN_Controller_Configuration_Best_Practices.html

QUESTION 108
An enterprise has moved most services to the cloud, including email applications and real-time communication.
Which feature must be enabled on the wireless network to improve the user experience?

A. QoS
B. radio management
C. interference mitigation
D. fast secure roaming

Answer: D
Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-5/Enterprise-Mobility-8-5-DesignGuide/Enterprise_Mobility_8-5_Deployment_Guide.pdf

QUESTION 109
An engineer must perform an assessment of a customer LAN for a future IEEE 802.11 ac Wave 2 wireless deployment. All access switches are Fast Ethernet-capable only, and the wired infrastructure between existing APs and access

switches is based on the CAT 6A standard.
Which two actions provide maximum support of Cisco 3800 Series access points? (Choose two)

A. Replace the existing switches with gigabit switches with 10 G uplinks.
B. Ensure that cable distances between access switches and APs are not longer than 55 meters.
C. Replace the existing wiring infrastructure with the CAT-7E wiring standard.
D. Replace the existing switches with mGig switches.
E. Ensure that cable distances between access switches and APs are not longer than 100 meters

Answer: AD

QUESTION 110
An engineer is designing a network deployment for a college with six buildings Each building must have a WLC located in the IDF to support the Aps. The wireless clients should be able to roam between the APs and the controllers.
Which type of wireless architecture should be used?

A. distributed
B. centralized
C. cloud
D. autonomous

Answer: A
Explanation:
https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/emob41dg/emob 41dg-wrapper/ch2_Arch.html

QUESTION 111
An engineer has deployed a group of APs in an auditorium and notices that the APs are showing high co-channel interference.
Which profile is used to adjust the parameters for these high-density APs?

A. RF profile
B. QoS profile
C. AVC profile
D. ISE profile

Answer: A
Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/87/b_wireless_high_client_density_design_guide.html

QUESTION 112
A customer called with a requirement that internal clients must be on different subnets depending on the building they are in All access points are operating in local mode and will not be modified, and this is a single controller solution.
Which design approach creates the desired result?

A. Create AP groups for each desired location, map the correct VLANs to the internal SSID and add the access prints for that location
B. Create an SSID. place it to the desired VLAN under WLANs. and configure 802.ix in ISE to assign the correct VLAN based on the SSID from which the client is authenticating.
C. Create FiexConnect groups, place the access points in. and set the correct VLAN to SSID mapping based on location.
D. Create mobility anchors for the SSID. and on the controller under the internal SSID. Create a foreign map to the desired VLAN based on location

Answer: A

QUESTION 113
Two Cisco 5520 Wireless LAN Controllers are managing all access points throughout the network. The WLCs are in different locations to provide geographical redundancy. A mobility group has been configured on both WLCs and has a UP status on both controllers. The APs in location A are statically configured to use controller A as the primary and controller B as the secondary If the WLC in location A goes offline the APs successfully join the WLC m location B, but they do not fail over to their primary configured controller. Which configuration task fixes this issue?

A. Configure the WLC in location A as primary using the CAPWAP AP Controller IP Address command on all the location A access points.
B. Use DHCP Option 43 and specify WLC in location A as primary.
C. Enable AP fallback globally on the WLC.
D. Change the AP Failover Priority to critical

Answer: A