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Question 1

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?

Options:

A- signal strength of -67 dBm, 25-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, 20-dB SNR, and maximum 1 percent packet loss.

D- signal strength of-70 dBm,30-dB SNR. and maximum 10 percent packet loss.

Answer:

A

Explanation:

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

Question 2

An engineer changed the TPC Power Threshold for a wireless deployment from the default value to -65 dBm. The engineer conducts a new post-deployment Survey to validate the results. What is the expected outcome?

Options:

A- Increase cell size

B- Decreased client signal strength

C- Increased received sensitivity

D- Decreased channel overlap

Answer:

A

Question 3

A high-density wireless network is designed. Which Cisco WLC configuration setting must be incorporated in the design to encourage clients to use the 5 GHz spectrum?

Options:

A- RRM

B- Cisco centralized key management

C- Band select

D- Load balancing

Answer:

C

Question 4

A customer celled with a requirement that internal clients must be on different subnets depending on the building they are in, AH 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?

Options:

A- Create an SSID, place it to the desired VLAN under WLANs, and configure 802 lx in ISE to assign the correct VLAN based on the SSID from which the client is authenticating.

B- Create FlexConnecl groups, place the access points in. and sat the correct VLAN to SSID mapping based on location.

C- Create AP groups for each desired location, map the correct VLANs to the internal SSID, and add the access points for that 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:

C

Question 5

Question Type: **MultipleChoice**

An engineer at a global enterprise organization must ensure that a mesh deployment has the highest number of channels available to the backhaul, regardless of region deployed, which design meets this requirement?

Options:

A- one controller per continent

B- one controller per country code

C- redundant controllers in the most restrictive regulatory domain

D- redundant controllers in the least restrictive regulatory domain

Answer:

B

Explanation:

AP regulatory domain is set when shipped, this can't be changed. Country codes are changed manually on the WLC, not the regulatory domain. The country set must be in the regulatory domain of any associated APs. There is no setting for continent.

Question 6

A customer has two Cisco 550B WLCs that manage all the access points in their network and provide N+1 redundancy and load balancing. The primary Cisco WLC has 60 licenses and the secondary Cisco WLC has 40. The customer wants to convert the N+1 model to an HA model and provide SSO. Configuration must be performed during a maintenance window. After performing all the configurations on both controllers, the config redundancy unit secondary command is issued on the secondary Cisco WLC and it fails. Which parameter needs to be in place to complete the configuration?

Options:

A- A cable in the RP port

B- The secondary Cisco WLC needs a minimum of 50 base licenses

C- The primary Cisco WLC is already set as the secondary unit.

D- SSO needs to be enabled

Answer:

B

Question 7

Question Type: **MultipleChoice**

Which two criteria must be considered when conducting an outdoor bridge site survey? (Choose two.)

Options:

A- near-far effect

B- weather

C- traffic lights

D- power lines

E- Fresnel zone

Answer:

A, D

Explanation:

https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/116057-site-survey-guidelines-wlan-00.html#anc7

Question 8

Multiple WLCs are implemented in a high-availability configuration in a mobility group. APs are deployed with only a primary controller assigned. By default, which mobility group member controller do the orphaned APs join in the event of a failed controller?

Options:

A- controller with the most available AP free license capacity

B- controller with the lowest percent of associated APs per license capacity

C- controller with the least CPU utilization over the last reporting period

D- controller with the least number of associated APs

Answer:

D

Explanation:

Question 9

Question Type: **MultipleChoice**

During a client roaming event, which device is responsible for communicating the new Layer 2 EID mapping of a wireless supplicant to the fabric domain?

Options:

A- WLC

B- BN

C- CP2

D- CP1

Answer:

A

Explanation:

https://www.cisco.com/c/dam/en/us/td/docs/cloud-systems-management/network-automation-and-management/dna-center/deploy-guide/cisco-dna-center-sd-access-wl-dg.pdf

Question 10

Question Type: **MultipleChoice**

What causes the most signal attenuation, based on the wireless design tools?

Options:

A- cinder block wall

B- metal door

C- glass wall

D- office window

Answer:

B

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