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Question 1

Question Type: MultipleChoice

A university is in the process of designing a wireless network in an auditorium that seats 500 students and supports student laptops. Which design methodology should the university implement in the auditorium?

Options:

- A- roaming design model
- B- voice design model
- C- location design model
- D- high-density design model

Answer:

B

Explanation:

https://www.cisco.com/c/dam/en_us/solutions/industries/docs/education/cisco_wlan_design_guide.pdf

Question 2

Question Type: MultipleChoice

A wireless deployment in a high-density environment is being used by vendors to process credit card payment transactions via handheld mobile scanners. The scanners are having problems roaming between access points in the environment. Which feature on the wireless controller should have been incorporated in the design?

Options:

- A- RX SOP
- B- 802.11w
- C- AP Heartbeat Timeout
- D- Application Visibility Control

Answer:

A

Explanation:

Question 3

Question Type: MultipleChoice

Guest anchoring is configured for a newly created SSID for your company. It has been noticed that the mobility tunnels are not up, and that MPING fails from your foreign WLC to the anchor WLC. What is the reason that it is failing?

Options:

- A-** A rule is needed at the firewall to allow UDP port 16666 for communication to work.
- B-** A rule is needed at the firewall to allow UDP port 97 for communication to work.
- C-** A rule is needed at the firewall to allow TCP port 97 for communication to work.
- D-** A rule is needed at the firewall to allow TCP port 16666 for communication to work.

Answer:

A

Question 4

Question Type: MultipleChoice

An engineer has deployed a group of APs in an auditorium and notices that the APs are showing high cochannel interference. Which profile can be used to adjust the parameters for these high-density APs?

Options:

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

Answer:

C

Question 5

Question Type: MultipleChoice

A customer has determined that aesthetics is a primary concern for their upcoming guest deployment. Which design consideration can be leveraged to address this concern?

Options:

- A- Paint the access point to cover the LED from being noticeable.
- B- Use enclosures to hide the wireless infrastructure in the surrounding environment.
- C- Use AIR-AP-BRACKET-1 to allow for greater mounting locations
- D- Deploy environmentally friendly cabling components to blend into the environment.

Answer:

D

Question 6

Question Type: MultipleChoice

When conducting a site survey for real-time traffic over wireless, which two design capabilities of smartphones and tablets must be considered? (Choose two.)

Options:

- A- no support for 802.11ac
- B- higher data rates than laptops
- C- fewer antennas than laptops
- D- no support for 802.11r
- E- lower data rates than laptops

Answer:

B, E

Question 7

Question Type: MultipleChoice

An engineer is reducing the subnet size of the corporate WLAN by segmenting the VLAN into smaller subnets. Clients will be assigned a subnet by location. Which type of groups can the engineer use to map the smaller subnets to the corporate WLAN?

Options:

- A- WLC port groups
- B- RF groups
- C- AP groups
- D- interface groups

Answer:

D

Question 8

Question Type: MultipleChoice

A wireless engineer is utilizing the voice readiness tool in Cisco Prime for a customer that wants to deploy Cisco IP phones. Which dBm range is the network inspected against?

Options:

- A- -78 to -65 dBm
- B- -72 to -67 dBm
- C- -85 to -65 dBm
- D- -85 to -67 dBm

Answer:

D

Explanation:

Default voice minimum RSSI is -75 dBm. but cisco recommend to get RSSI better than -67 dBm.

https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/34/user/guide/bk_CiscoPrimeInfrastructure_3_4_0_UserGuide/bk_CiscoPrime

minimum is -90 and maximum is -67 for IP phone

Question 9

Question Type: MultipleChoice

An engineer must configure the virtual IP address on multiple controllers in a mobility group. Which rule must the engineer follow to ensure proper roaming?

Options:

- A-** Ensure that the DNS entry is tied to the virtual IP address of the WLC.
- B-** Use a unique IP address for each WLC.
- C-** Ensure that the DNS Host Name field is defined.
- D-** Use the same IP address for each WLC.

Answer:

A

Question 10

Question Type: MultipleChoice

A network engineer is configuring high availability on an access point. What is the maximum number of controllers that can be configured?

Options:

A- 1

B- 2

C- 3

D- 4

Answer:

B

Explanation:

The N+1 HA architecture provides redundancy for controllers across geographically separate data centers with low cost of deployment.

So max 2 will be supported on an AP.

Question 11

Question Type: MultipleChoice

An engineer must decide the cell overlap for a wireless voice deployment. Which Cisco measurement recommendation should be considered?

Options:

- A-** The edge of the cell should be -67 dBm.
- B-** The edge of the cell should be below 35 RSSI.
- C-** The measurement should be done on the 2.4-GHz band.
- D-** One AP should be deployed per 3000 square feet.

Answer:

A

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