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Question 1

Question Type: MultipleChoice

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?

Options:

- 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/en/us/support/docs/wireless/4400-series-wireless-lan-controllers/108184-config-802-11n-wlc.html>

Question 2

Question Type: MultipleChoice

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?

Options:

- A- Patch
- B- Dipole
- C- Monopole
- D- Omnidirectional

Answer:

C

Explanation:

<https://www.cisco.com/c/en/us/td/docs/routers/connectedgrid/antennas/installing-combined/industrial-routers-and-industrial-wireless-antenna-guide/ANT-MP-INT-OUT-M.html>

Question 3

Question Type: MultipleChoice

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

Options:

- A- Local
- B- Sniffer
- C- Monitor

D- SE-connect

Answer:

A

Question 4

Question Type: MultipleChoice

An engineer must perform a pre-deployment site survey for a new building in a high-security area

a. The design must provide a primary signal RSSI of -65 dBm for the clients. Which two requirements complete this design? (Choose two)

Options:

A- Site access

B- AP model

C- WLC model

D- HAVC access

E- Number of clients

Answer:

B, E

Explanation:

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

Question 5

Question Type: MultipleChoice

An enterprise is using the wireless network as the main network connection for corporate users and guests. To 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 eping from the controller but fails. Which protocol needs to be allowed between the networks that the controllers are installed?

Options:

A- IP Protocol 67

B- IP Protocol 77

C- IP Protocol 87

D- IP Protocol 97

Answer:

D

Question 6

Question Type: MultipleChoice

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

Options:

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

Answer:

C

Explanation:

<https://www.cisco.com/en/US/docs/solutions/Enterprise/Mobility/emob30dg/WiMesh.pdf>

Question 7

Question Type: MultipleChoice

An engineer is designing a wireless network to support high 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.)

Options:

- A- redundant WLC
- 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:

B, D

Explanation:

https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/7-5/High_Availability_DG.html#pgfId-44074

Question 8

Question Type: MultipleChoice

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 gain antennas for 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?

Options:

- 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

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