300-425^{Q&As}

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Designing Cisco Enterprise Wireless Networks (ENWLSD)

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QUESTION 1

A wireless engineer is performing a post verification of a wireless network. Which two metrics does the engineer verify to ensure that the wireless network can support voice services? (Choose two.)

A. The coverage area must have a noise floor that does not exceed-87 dBm.

B. The client device must have at least an-67 dBm RSSI.

C. The rate of retransmitted packets must be 15 percent or below.

D. The rate of retransmitted packets must be 20 percent or below.

E. The client device must have at least an-65 dBm RSSI.

Correct Answer: BD

Reference:

1. The optimal VoWLAN Cell Edge recommendation is –67 dBm.

5. Retransmissions should be kept under 20 percent.

QUESTION 2

An engineer must speed up the reauthentication delays that are being experienced on the wireless infrastructure by deploying a key-caching mechanism. Which mechanism must be configured?

A. PEAP

B. FT

C. PMF

D. GTK-randomization

Correct Answer: B

Reference:

802.11r, which is the IEEE standard for fast roaming, introduces a new concept of roaming where the initial handshake with the new AP is done even before the client roams to the target AP, which is called Fast Transition (FT). The initial handshake allows the client and APs to do the Pairwise Transient Key (PTK) calculation in advance. These PTK keys are applied to the client and AP after the client does the reassociation request or response exchange with new target AP.

QUESTION 3

An engineer has configured guest anchoring for a newly created SSD however, the mobility tunnels are not up, and EPING is failing from the foreign WLC to the anchor WLC. Which traffic flow must be allowed at the firewall to enable the communication?

A. UDP port 16666

B. IP protocol 97

C. UDP port 97

D. TCP port 97

Correct Answer: B

Reference:

The only special implementation of the WLC in CCKM is that WLCs exchange client PMK via mobility packets, such as UDP 16666.

QUESTION 4

A customer is looking for a network design with Cisco Hyperloctation using AP4800 for location tracking via a custom mobile app Issues appeared in the past with refresh rates for location updates. What needs to be implemented to meet these requirements?

A. Cisco CMX SDK in the location app

B. redundant CMX and fetch location in round-robin fashion.

C. device Bluetooth via the app

D. Cisco FastLocate technology

Correct Answer: D

QUESTION 5

A hospital wireless environment was designed with these characteristics: RF coverage better than -67 dBm in the 5 GHz spectrum RRM be used for DCA and TPC in the 2.4 GHz band RRM be used for DCA and TPC in the 5 GHz band

After deployment, why do many of the legacy 802.11b/g devices have difficulty maintaining connectivity?

A. Excessive co-channel interference in the 2.4 GHz band exists.

B. Excessive overlapping channels in the 2.4 GHz band exists.

C. TPC drastically increases Tx power in the 2.4 GHz band.

D. TPC drastically reduces Tx power in the 2.4 GHz band.

Correct Answer: D