Vendor: CISCO

Exam Code: 642-742

Exam Name: Implementing Cisco Unified Wireless Voice Networks
QUESTION 1
Which of these statements best describes Cisco Centralized Key Management?

A. It allows wireless clients to cache their credentials so that, while they are roaming, they do not need to reauthenticate to the wireless infrastructure.
B. It allows the wireless infrastructure to cache the credentials, thus eliminating the need to conduct a full reauthentication when roaming.
C. It enables the controller to send directed roam requests to a client in situations when the controller can better service the client on a different AP than the one to which the client is associated.
D. By caching their credentials, it helps clients save scanning time when looking for a new AP to join.

Answer: B

QUESTION 2
Which of these authentication and encryption combinations would be considered the most secure?

A. LEAP and WPA TKIP
B. EAP-FAST and WPA2 AES
C. EAP-FAST and WPA TKIP
D. WPA-PSK and TKIP

Answer: B

QUESTION 3
In order to place a call, what is the first step that a wireless phone must do?

A. Associate with the wireless infrastructure.
B. Authenticate with the web authentication server.
C. Update its firmware with the Call Manager.
D. Register with a call agent.
QUESTION 4
What is the minimum overhead (header plus FCS) added by 802.11 (no encryption, no WMM) between a wireless client and an AP?

A. 18 B
B. 24 B
C. 28 B
D. 35 B
E. 36 B
F. 48 B

Answer: C

QUESTION 5
How much overhead is added by CAPWAP encapsulation?

A. 4 B
B. 14 B
C. 28 B
D. 44 B
E. 50 B
F. 60 B

Answer: F

QUESTION 6
WLC v7.0 is properly configured for 802.11n and multicast video without the optional VideoStream. Which three of these options describe frames sent from the AP to wireless clients? (Choose three.)

A. sent as gold QoS
B. sent as best effort QoS
C. sent at highest mandatory rate
D. sent at lowest mandatory rate
E. sent at client MCS data rate
F. ACK per frame
G. No ACKs

Answer: BCG

**QUESTION 7**
What three items of multicast information can be interpreted from the WLC displays? (Choose three.)

A. WLC-to-AP multicast mode is configured for unicast.
B. WLC-to-AP multicast mode is configured for multicast using IP address 239.1.1.1.
C. The ingress WLC multicast stream is IP address 239.1.1.1.
D. VideoStream is allowed for the wireless client.
E. VideoStream is not allowed for the wireless client.
F. IGMP snooping is enabled.
G. IGMP snooping is disabled.
H. QoS was configured and lowered to best effort.

Answer: CEF

**QUESTION 8**
Which two multicast modes are valid for use with Ethernet bridging on a mesh AP? (Choose two.)

A. mesh bridge in
B. regular
C. bidirectional bridge
D. in
E. out
QUESTION 9
WLC v7.0 is configured for multicast with WLC-to-AP multicast mode, using IP address 239.10.10.10 and IGMP snooping enabled, with all other parameters set to default. What QoS value is given to multicast traffic between a WLC and APs?

A. CS6
B. EF
C. CS5
D. CS4
E. CS3
F. CS2
G. CS1
H. BE

Answer: H

QUESTION 10
Which three statements describe the WLC configuration? (Choose three.)

A. CAC values are relatively high.
B. CAC values are relatively low.
C. It enables QBSS, given other appropriate configurations.
D. It enables TSPEC, given other appropriate configurations.
E. It applies to platinum QoS.
F. It applies to platinum and gold QoS.

Answer: ADE

QUESTION 11
Which three WLC actions are required to properly enable queuing with TSPEC for voice
traffic? (Choose three.)

A. configure WLAN setting to enable WMM
B. configure WLAN Aironet information elements to enabled
C. configure global 802.11b/g or 802.11a, or both, to voice CAC
D. configure WLAN platinum QoS
E. configure DTIM = 2

**Answer:** ACD

**QUESTION 12**
A downstream packet containing a DSCP value arrives at the WLC Ethernet interface from the wired source network. The WLC is configured for QoS WLAN 802.1p mapping. How does the WLC treat the CAPWAP QoS marking when leaving the controller interface for the respective AP and final wireless client destination?

A. No outer CAPWAP or inner QoS tagging is applied.
B. No outer CAPWAP QoS tag is applied, but the original DSCP is maintained inside CAPWAP.
C. The outer CAPWAP CoS is marked and capped while the inner DSCP maintains the original marking.
D. The outer CAPWAP DHCP is marked and capped without any inner DSCP value.

**Answer:** C

**QUESTION 13**
Which WCS tool will be especially helpful to ensure that all VoWLAN configurations are consistent across all controllers?

A. Inspect VoWLAN Readiness
B. Traffic Stream Metrics
C. Voice Audit Report
D. Voice Diagnostic
E. Monitor Client Detail
QUESTION 14
What are two benefits that result from Cisco WLC configuration of DCA for 5-GHz VoWLAN deployments? (Choose two.)

A. Avoid channels that are affected by a microwave oven
B. Manually remove channels that are not supported by VoWLAN clients
C. Avoid 802.11n 40-MHz channels
D. Avoid nearby radar
E. Adjust RRM power thresholds

Answer: BD

QUESTION 15
Which DHCP option is used by Vocera badges to reach a Cisco Unified Communications Manager?

A. Set the option to 66.
B. Set the option to 43.
C. Set the option to 150.
D. No option is required.

Answer: D

QUESTION 16
Which two Cisco components are required to extend an existing VoWLAN to dual-mode wireless phones? (Choose two.)

A. An LDAP server for the WLAN
B. Cisco Unified Mobile Communicator
C. Cisco Unified Mobility Advantage client
D. Cisco Unified Mobility Advantage  
E. Cisco Unified Communications Manager  
F. A RADIUS server for the WLAN  

Answer: BD

QUESTION 17  
You have recently added Cisco Unified Wireless IP Phones 7921G and 7925G to your branch office. The new wireless and wired IP phones are experiencing poor call quality when receiving calls across the IP WAN from the remote HQ. What is the most likely issue?

A. The Cisco Unified Communications Manager bandwidth for the IP WAN link is not properly configured and is allowing more calls than the link can accommodate.  
B. The Cisco Unified Communications Manager bandwidth settings have not been increased to support the new wireless IP phones.  
C. The Cisco Unified Communications Manager bandwidth is set too low, resulting in poor call quality.  
D. The Cisco Unified Communications Manager gatekeeper-controlled CAC has been set too low, resulting in poor call quality.

Answer: A

QUESTION 18  
A VoWLAN site survey was performed and equipment installed based on recommended design guidelines. Which two statements describe reasons to perform a post-deployment survey? (Choose two.)

A. There is insufficient information about the number of people in the area when the survey is performed.  
B. There is insufficient information by AirMagnet VoFi Analyzer.  
C. There are elevator shafts.  
D. There are roaming pathways.  
E. There are changes in temperature in the indoor environment.

Answer: AD
QUESTION 19
Which three statements are true about load-based Call Admission Control? (Choose three.)

A. grants a VoWLAN client-initiated call based on the number of active clients associated to the AP
B. grants a VoWLAN client-initiated call based on channel bandwidth capacity
C. uses the 802.11i specifications
D. uses ADDTS action frames
E. requires a WMM-enabled client

Answer: BDE

QUESTION 20
The AP has been properly configured for a VoWLAN survey. The RF environment contains a noise of -87 to -90 DBM. What would be the target value for the cell edge reading?

A. -55 dBm
B. -60 dBm
C. -62 dBm
D. -67 dBm
E. -70 dBm
F. -73 dBm

Answer: C