CCIE Wireless Written

1. You have configured video stream on a Cisco WLC and users are now viewing the company video broadcast over the wireless network, how can you verify you have video stream configures and working in the cisco WLC GUI?

A. The multicast status shows "normalmulticast" in the multicast group detail

B. The WMM state shows "Enabled" into the clients detai

C. The multicast status shows "multicast-direct allowed" in the multicast group detail

D. The multicast status shows "MediaStream allowed" in the multicast group detail

Answer(s): C

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2. Refer to the exhibit. Which security method is the wireless workgroup bridge with this configuration going to use to establish its wireless connection?

A. WPA2-AES with LEAP over 5 GHz

B. WPA2-AES with EAP-FAST over 5 GHz

C. WPA2-AES with EAP-FAST over 2.4 GHz

D. WPA2-AES with PEAP over 5 GHz

Answer(s): B

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3. Refer to the exhibit. An access point cannot join the Wireless LAN Controller when plugged to interface GigabitEthernet1/0/2. When the same access point is moved to interface GigabitEthernet1/0/1, the problem does not occur. What is the reason for this problem?

A. GgabitEthernet1/0/2 is set as portfast.

B. The switch is experiencing a hardware failure and it must be rebooted.

C. GgabitEthernet1/0/2 is set as span session destination.

D. GgabitEthernet1/0/2 is still participating in Spanning Tree Protocol.

Answer(s): A

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4. Which two option are new feature that are supported by IGMPv3 Compared to IGMPv2 (Choose two)

A. It adds support for IGMP Leave Message

B. Routers can now send a group-specific query

C. It extends IGMP, which allows for an explicit maximum response time field

D. It supports the link local address 224.0.0.22, which is the destination IP address for membership reports

E. It adds support for source filtering

Answer(s): D,E

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5. A corporation has a Cisco 5520 WLC running software 8.x. configured with US country code.

A. The 5 GHz radio is in down state until the APs are primed.

B. The 5 GHz radio operates in scanner mode until the APs are primed.

C. The 5 GHz radio operates in rogue detection mode and cannot be changed to any other station role until the APs are primed.

D. The network administrator must disable the 5 GHz radio interfaces and re-enable them on every UX AP to make the 5 GHz radios operational on all UX APs.

Answer(s): B

6. Which statement about the integration of ISE with Cisco Prime Infrastructure version 2.2 is true?

A. Cisco Prime Infrastructure can display ISE profiling attributes for authenticated and un authenticated clients.

B. Cisco Prime Infrastructure can collect client authentication details from upto three configured ISE servers.

C. ISE can be added to Cisco Prime Infrastructure only using user credentials of admin user configured locally on ISE.

D. When two instances of ISE are added to Cisco Prime Infrastructure. One must be working in secondary mode.

Answer(s): D

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7. You have a Cisco ISE deployment that controls wireless access. Which two actions cause the ISE policy service to issue a CoA? (Choose two.)

A. An endpoint is assigned to a new policy statically.

B. Packet-of-Disconnect CoA (Terminate Session) is issued when a wireless endpoint is detected.

C. An endpoint is profiled for the first time.

D. An endpoint is created through the Guest Device Registration flow.

E. An endpoint is disconnected from the network.

Answer(s): A,C

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8. You are the network administrator at ACME Corporation and currently troubleshooting a Central Web Authentication issue where the guest users are not being redirected to the ISE guest login portal. You have verified that all configuration on the ISE is correct and that the ISE is sending the redirect URL for the client. Which configuration check can help to resolve the issue?

A. Verify if SNMP NAC is enabled on the guest SSID

B. Verify if authentication priority for web-auth is set to RADIUS.

C. Verify if RADIUS accounting interim update is enabled on the guest SSID

D. Verify if AAA override is enabled on the guest SSID

E. Verify if the SSID is configured for WPA2-AES Layer 2 security

F. Verify if the RFC 3567 support is enabled under ISE configuration on the Cisco WLC.

Answer(s): D

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9. Which three guidelines should be followed when deploying H-REAP over a WAN connection?

A. round trip delay must not exceed 200 ms

B. at a minimum, a 500-byte MTU is required between the AP and the controller

C. at a minimum, a 512-byte MTU is required between the AP and the controller

D. round trip delay must not exceed 100 ms

E. the minimum WAN connection is 128 kb/s

F. a Cisco Aironet 1000 Series Lightweight Access Point must be used if the WAN connection is less than 512 kb/s

Answer(s): B,D,E

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10. You see the following message on a Cisco WCS:

A. Check the logs for rogues in the area, then turn on rogue mitigation.

B. Manually increase the power of the AP to overcome the interference.

C. Seek out the source of the noise with a spectrum analyzer.

D. Increase the interference threshold from the default 10%.

Answer(s): C

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11. Which two statements about a FlexConnect AP are true? (Choose two.)

A. In connected mode, the access point provides minimal information about the locally authenticated client to the controller. However, the following information is available to the controller policy type, acces VLAN, VLAN name, supported rates and, encryption cipher.

B. Careful planning must be undertaken when setting up local authentication as it increases the latency requirements of the branch office.

C. Local authentication can be enabled only on the WLAN of a FlexConnect AP that is in local switching mode.

D. Setting up local authentication is connected mode is the fastest way of enabling wireless at a remote location as it does not require any WLAN configuration.

E. In connected mode, the AP provides minimal information about the locally authenticated client to the controller. This information is not available to the controller: policy type, access VLAN, VLAN name, supported rates, encryption cipher.

Answer(s): B,E

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12. During 802.1X authentication, how is the 802.11i Pairwise Master Key delivered to the client supplicant?

A. unencrypted

B. it is not transmitted

C. via a TLS tunnel

D. encrypted with the EAPOL Key Encryption Key

Answer(s): B

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13. Your site has already been surveyed at 5 GHz for 802.11n VoWLAN services. Which two services can you add safely, without conducting an additional site survey? (Choose two.)

A. new services (such as location) on both frequencies

B. optional MFP client protection for Cisco Client Extensions Version 5 clients

C. 802.11n data services on the 2.4 GHz Frequency

D. enhanced Layer 2 or Layer 3 security of the WLAN

E. 802.11n voice services on the 2.4 GHz Frequency

Answer(s): B,D

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14. If a guest anchor controller is used outside the firewall, which firewall ports must you open for guest access including SNMP and mobility features to work in a Cisco unified wireless network?

A. UDP 16666, IP Protocol 97, UDP 161 162

B. UDP 12223, IP Protocol 97, UDP 161 162

C. UDP 16667, IP Protocol 97, UDP 500 501

D. UDP 16666, IP Protocol 97, UDP 162 163

E. UDP 12222, IP Protocol 97, UDP 161 162

Answer(s): A

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15. The transmit power level on an 802.11a radio is configured for 25 mW. What is the corresponding value in decibels?

A. 3 dBm

B. 2.5 dBm

C. none of the above

D. 18 dBm

E. 14 dBm

Answer(s): E

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16. Which two statements regarding the Service Discovery Gateway feature are true? (Choose two.)

A. All network segments must be connected directly to the Service Discovery Gateway.

B. The Service Discovery Gateway can learn services from a single connected segment to build its cache and respond to requests acting as a proxy.

C. The Service Discovery Gateway supports topologies with multiple hops.

D. The Service Discovery Gateway feature is not aimed at enhancing bring your own device (BYOD).

E. The Service Discovery Gateway feature enables multicast domain name system to operate across Layer 3 boundaries.

Answer(s): B,E

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17. A retail chain is planning to create a wireless network to support checkout registers.

A. install PKI certificates on client devices

B. disable broadcasting of the SSID

C. install a Cisco Wireless LAN Controller and firewall at each store

D. change default passwords and community strings

E. enable WPA

F. install an overlay wIPS system

Answer(s): B,D,E

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18. Which two statement are true about the client report functionality in prime infrastructure

A. The "Busiest Clients" report dose include autonomous clients

B. The "Client Session" report 802.11 and security statics

C. The "Client Count" report include clients to autonomous c1sco ISO APs.

D. The "Client Count" report d1splay the total number of active clients on the network

Answer(s): C,D

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19. The Security Index dashlet indicates the security of the Cisco Prime Infrastructure managed network. Which two elements are used to calculate the security index? (Choose two.)

A. WLC CleanAir

B. MSE configs

C. WLC rogue APs

D. wIPS configs

E. WLC config

Answer(s): B,E

20. Which two options are valid mobility roles in which a controller can operate in during a client mobility session? (Choose two.)

A. export anchor

B. local

C. auto anchor

D. mobility announcer

Answer(s): A,B