

**Exam** : **640-721**

**Title** : Implementing Cisco Unified  
Wireless Networking  
Essentials (IUWNE)

**Version** : Demo

1. What is fading?

- A. Another signal source is producing energy on the channel in which you are trying to operate.
- B. The desired signal reaches the receiving antenna via multiple paths, each of which has a different propagation delay and path loss.
- C. A time-varying change in the path loss of a link with the time variance governed by the movement of objects in the environment, including the transmitter and receiver themselves.
- D. A function of the frequency and should be provided in the cable specification by the vendor.
- E. The minimum signal level for the receiver to be able to acceptably decode the information.
- F. The time delay from the reception of the first instance of the signal until the last instance.

**Answer: C**

2. Which limitation applies to the use of the Cisco WLAN Solution Management over Wireless feature?

- A. Controllers must be managed using only secure protocols (that is, SSH and HTTPS), not nonsecure protocols (that is, HTTP and Telnet).
- B. Read-write access is not available; only read-only access is supported.
- C. Uploads and downloads from the controller are not allowed.
- D. Wireless clients can manage other controllers however not the same controller and AP to which the client is associated.

**Answer: C**

3. Up to how many Cisco WiSMs are supported in a single mobility group operating under v5.0 code?

- A. 5
- B. 12
- C. 16
- D. 24
- E. 150
- F. 300

**Answer: B**

4. The existing Cisco Unified Wireless Controller is running v5.0 code for both the controllers and the Cisco WCS. A controller has been configured with an appropriate rogue rule condition to report discovered APs to the Cisco WCS. What default alarm level is used to display all rogue APs in the Alarm Summary?

- A. Critical
- B. Flash
- C. Major
- D. Minor
- E. Urgent

**Answer: D**

5. Cisco Client Management Frame Protection is running on a mobility group with two controllers. Which two MFP requirements protect the network? (Choose two.)

- A. forces clients to authenticate, using a secure EAP method only
- B. implements the validation of wireless management frames

- C. requires CCXv5
- D. requires the use of a nonbroadcast SSID
- E. requires CCXv4

**Answer:** B,C

6. What is the result when client exclusion is enabled with a timeout value of zero?

- A. Clients are excluded indefinitely.
- B. Clients are never excluded.
- C. Client exclusion is disabled.
- D. Clients must be explicitly included by specifying the MAC address.
- E. Exclusion and inclusion is determined by access list.

**Answer:** A

7. The central office is currently using a combination of 4400 and 2100 series WLAN controllers running v4.2 and a variety of LWAPP-enabled access points servicing both 2.4 GHz and 5 GHz. The WLAN deployment has been extended to each remote office by implementing a 526 WLAN controller running v4.1 and several 521 access points. Wireless client deployment uses EAP-TLS authentication using a centralized RADIUS server plus 802.11n for performance. After the first remote office deployment, remote office users complain that they are not connecting via 802.11n.

What is the most likely cause of this problem?

- A. The 526 WLAN controller does not support external authentication via RADIUS, prohibiting authentication.
- B. The 521 AP does not support 5 GHz, which prohibits 802.11n.
- C. The 521 AP and 526 WLAN controllers do not support AES, which prohibits 802.11n.
- D. The 526 WLAN controller does not support 802.11n with v4.1 and must be upgraded to v4.2.
- E. The 526 WLAN controller does not support 802.11n with either v4.1 or v4.2.

**Answer:** E

8. How do the features that are available on the Cisco WCS for Linux version differ from those of the Cisco WCS for Windows version?

- A. Assuming that there are no differences in hardware, a Cisco WCS for Linux can support up to 750 wireless LAN controllers. A Cisco WCS for Windows can support up to 250 wireless LAN controllers.
- B. Cisco WCS for Windows includes support for Cisco Spectrum Expert clients. Cisco WCS for Linux does not support Cisco Spectrum Expert clients.
- C. Cisco WCS for Linux is required for deployments.
- D. There are no differences in features between the Linux and Windows versions of Cisco WCS.

**Answer:** D

9. Which CLI command shows the controller configuration in a way that is similar to the way that it is displayed on Cisco IOS routers?

- A. showconfig
- B. show runconfig
- C. show run-config
- D. show runningconfig

E. show running-config

**Answer:** E

10. Which two attacks does Management Frame Protection help to mitigate? (Choose two.)

- A. Eavesdropping
- B. Denial of Service
- C. War Driving
- D. Man-in-the-Middle

**Answer:** B,D

11. Lightweight access points send control traffic to which device(s)?

- A. Other access points.
- B. The Wireless Control System.
- C. The Wireless Controller.
- D. Lightweight access points don't send control traffic.

**Answer:** C

12. Which three elements define the 802.11n implementation of MIMO? (Choose three.)

- A. Channel Bonding
- B. Dynamic Frequency Selection
- C. Maximal Ratio Combining
- D. Packet Aggregation
- E. Spatial Multiplexing
- F. Transmit Beam Forming

**Answer:** C,E,F

13. In the AP Layer 3 controller discovery process, after the LWAPP Discovery Request is broadcast on a local subnet, what is the next step that the AP takes?

- A. Determine whether the controller responses are the primary controller.
- B. Send an LWAPP discovery request to controllers learned via OTAP if operational.
- C. Send an LWAPP response to the master controller if known.
- D. Wait 5 seconds and resend a Discovery Request to the local subnet.

**Answer:** B

14. Effective Isotropic Radiated Power is calculated by using which three values? (Choose three.)

- A. antenna bandwidth
- B. antenna gain
- C. cable loss
- D. receiver sensitivity
- E. SSID
- F. transmission power

**Answer:** B,C,F

15. Which four file formats are used when importing a single campus map into the Cisco WCS 5.0?

(Choose four.)

- A.BMP
- B.GIF
- C.JPEG
- D.JPG
- E.PNG
- F.VSD
- G.MAP
- H.XML

**Answer:** B,C,D,E

16. When creating a wireless profile in the Cisco ADU and you have selected the WPA/WPA2/CCKM radio button option, what other decision must you make and then configure on this same screen?

- A. the address and the server secret of the authentication device you will authenticate with
- B. the encryption type
- C. the EAP type to be used for authentication
- D. the length and value of the pre-shared key
- E. the SSID of the wireless client

**Answer:** C

17. DRAG DROP

STUDY this as you will likely get this DRAG and DROP question! Exhibit:

Match the interface description on the left with the appropriate interface on the right.

Designed to be analogous to VLANs for wireless LAN client device.	AP Manager
The only port that is active when the controller is in boot mode.	Dynamic
This interface is the only consistently "pingable" in-band interface IP address on the Cisco WLC.	Management
Used for Layer 3 communications between the Cisco WLC and the lightweight access points.	Service Port
Used to support mobility management, DHCP relay, and guest web authentication.	Virtual

**Answer:**

Match the interface description on the left with the appropriate interface on the right.

Designed to be analogous to VLAN 607 wireless LAN client device.	Used for Layer 3 communications between the Cisco WLC and the lightweight access points.
The only port that is active when the controller is in <b>standby</b> mode.	Designed to be analogous to VLAN 607 wireless LAN client device.
This interface is the only consistently "pingable" in-band interface IP address on the Cisco WLC.	Used to support mobility management, DHCP relay, and guest web authentication.
Used for Layer 3 communications between the Cisco WLC and the lightweight access points.	The only port that is active when the controller is in <b>standby</b> mode.
Used to support mobility management, DHCP relay, and guest web authentication.	This interface is the only consistently "pingable" in-band interface IP address on the Cisco WLC.

18. Which roaming situation using controllers in a Cisco Unified Wireless Network requires a client using WPA2 with PKC to reauthenticate to the network?

- A. A wireless client roams to another AP on a different controller in the same mobility domain.
- B. A wireless client roams to another AP on the same controller.
- C. A wireless client roams to another AP after being out of range of the network for 2 minutes.
- D. A wireless client roams to another AP on a controller in a different mobility domain. **Answer: D**

19. What three authentication methods are generally used in enterprise wireless networks? (Choose three.)

- A. AES
- B. CCKM
- C. EAP-FAST
- D. EAP-TLS
- E. PEAP
- F. WEP

**Answer: C, D, E**

20. A client is attached to the Cisco Unified Wireless network using controllers. When the client is using WPA2 and EAP authentication, where are the wireless encryption keys located during the active user session? (Choose two.)

- A. on the access point
- B. on the RADIUS server
- C. on the Cisco WCS
- D. on the client

E. on the Cisco WLC

**Answer:** A,D

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