

CCNA Cyber Ops 200-355

Implementing Cisco Wireless Network Fundamentals

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Version: 10.0

Question: 1

In the current RF environment, the noise floor is -95 dBm. A tablet needs an SNR of 25 dB to transmit at the required speed. What must the RSSI cell edge be to meet the required SNR?

- A. -120 dBm
- B. -90 dBm
- C. -70 dBm
- D. -60 dBm
- E. -50 dBm

Answer: C

Question: 2

An access point is currently transmitting at 4 mW. The customer needs to increase its signal strength by 6 dB to create a larger wireless cell. What should the new transmit power be?

- A. 8 mW
- B. 10 mW
- C. 12 mW
- D. 16 mW
- E. 24 mW

Answer: D

Question: 3

A wireless engineer is designing the wireless networking for a company with offices in two different locations. Which two regulatory bodies should they check to find the maximum EIRP allowed? (Choose two.)

- A. IEEE
- B. FCC
- C. ITU-R
- D. ETSI
- E. Wi-Fi Alliance

Answer: B, D

Question: 4

After installing a Cisco 5508 Wireless Controller using the default settings, how often will the RRM update occur?

- A. 30 seconds
- B. 60 seconds
- C. 300 seconds
- D. 600 seconds
- E. 3600 seconds
- F. 7200 seconds

Answer: D

Question: 5

A customer has requested a single point of policy enforcement for LAN and WLAN. Which deployment model should be used?

- A. converged
- B. autonomous
- C. FlexConnect
- D. centralized

Answer: A

Question: 6

A customer has asked for the proper port configuration to allow for LAG on a Cisco 2504 Wireless Controller to a Cisco IOS switch. Which EtherChannel mode should be used on the switch to allow for the WLC to connect?

- A. on
- B. auto
- C. desirable
- D. passive
- E. active

Answer: A

Question: 7

A customer has asked for its wireless equipment to be managed as securely as possible. Which three management protocols will provide encrypted access to the equipment? (Choose three.)

- A. Secure Shell
- B. HTTPS
- C. SNMPv3

- D. Telnet
- E. SNMPv2c
- F. HTTP

Answer: A, B, C

Question: 8

When deploying a Cisco Cloud Wireless Infrastructure, what two destination ports must be open?
(Choose two.)

- A. TCP/5246
- B. UDP/5246
- C. TCP/5247
- D. UDP/5247
- E. TCP/7351
- F. UDP/7351
- G. TCP/7734
- H. UDP/7734

Answer: F, G

Question: 9

A help desk engineer is attempting to perform a remote packet capture on the wireless network.
Which access point mode is necessary to perform this function?

- A. sniffer
- B. SE-Connect
- C. monitor
- D. rogue detector
- E. FlexConnect

Answer: A

Question: 10

General	Security	QoS	Policy-Mapping
Quality of Service (QoS)		Gold (video) ▾	
Application Visibility		☒ Enabled	
AVC Profile		none ▾	
Netflow Monitor		none ▾	
WMM			
WMM Policy		Disabled ▾	
7920 AP CAC		☐ Enabled	
7920 Client CAC		☐ Enabled	
Media Stream			
Multicast Direct		☒ Enabled	

Refer to the exhibit. A help desk ticket has been entered for the wireless infrastructure. A wireless client is not able to connect at IEEE 802.11n rates. Which option allows for connectivity?

- A. Set WMM mode to Optional or Required.
- B. Set Quality of Service (QoS) to Silver.
- C. Set Quality of Service (QoS) to Platinum.
- D. Set 7920 AP CAC to Enabled.

Answer: A

Question: 11

An engineer has been asked to upgrade the FUS on the Wireless LAN controller. How can they monitor the status of the upgrade?

- A. WLC GUI
- B. WLC CLI
- C. WLC Console
- D. WLC Management in Prime Infrastructure

Answer: C

Question: 12

During a wireless site survey, the signal strength drops significantly when outside of the room containing the access point. The building is made of wood and drywall. This is an example of which wireless anomaly?

- A. absorption
- B. refraction
- C. fading
- D. multipath
- E. reflection

Answer: A

Question: 13

A wireless engineer has been asked to plan a deployment covering the aisles of a warehouse with optimal coverage while bleeding RF across aisles. Which antenna type provides the necessary coverage?

- A. patch
- B. omnidirectional
- C. Yagi
- D. parabolic dish

Answer: A

Question: 14

WLC Management Interface Configuration

Interface Address

VLAN Identifier

10

IP Address

172.30.1.30

Netmask

255.255.255.0

Gateway

172.30.1.2

IPv6 Address

::

Prefix Length

128

IPv6 Gateway

::

Link Local IPv6 Address

fe80::d68c:b5ff:fec3:eef/64

Physical Information

The interface is attached to a LAG.

Enable Dynamic AP Management ☒

DHCP Information

Primary DHCP Server

172.30.1.20

Secondary DHCP Server

172.30.1.21

DHCP Proxy Mode

Global

Enable DHCP Option 82

☐

Switchport Configuration

Current configuration : 235 bytes

!

interface GigabitEthernet0/9

description 5508 Port 1

switchport trunk encapsulation dot1q

switchport trunk allowed vlan 1,20,30,40

switchport mode trunk

priority-queue out

mls qos trust dscp

spanning-tree portfast trunk

end

Refer to the exhibit. The wireless engineer has deployed the Cisco 5508 Wireless Controller. The controller is responding on the service port; however, it will not respond on the management interface. Which configuration revision will fix the management interface?

- A. On the switch interface, configure switch(config-if)#switchport trunk allowed vlan add 10.
- B. On the WLC management interface, disable LAG on the management network.
- C. On the switch interface, configure switch(config-if)#switchport trunk allowed vlan 10.
- D. On the WLC management interface, change the VLAN ID to 20.
- E. On the switch interface, configure no spanning-tree portfast trunk.
- F. On WLC Controller > General, disable LAG and reboot.

Answer: A

Question: 15

A help desk ticket states that a wireless access point has not joined its controller and is flashing rapidly. How can the help desk administer the access point with the default settings?

- A. console
- B. SSH
- C. Telnet
- D. HTTP
- E. HTTPS

Answer: A

Question: 16

After you configure the Cisco 5508 Wireless Controller v7.6, a customer requests an SSID that allows for client web authentication with email input. Which authentication method should be used?

- A. pass-through
- B. authentication
- C. splash page web redirect
- D. conditional web redirect
- E. on MAC filter failure

Answer: A

Question: 17

Which two principles must be considered when deploying a wireless network through a wooded area? (Choose two.)

- A. absorption
- B. reflection
- C. diffraction
- D. scattering
- E. refraction

Answer: A, D

Question: 18

What is an interferer that an engineer may see in Cisco CleanAir?

- A. microwave ovens
- B. rogue APs
- C. malicious clients
- D. co-channel interference

Answer: A

Question: 19

A network engineer notices that two mesh APs are having problems communicating. After reviewing the current radio configurations, it is noted that one AP is transmitting at 3 mW while the other is transmitting at 60 mW. How many decibels would the 3-mW AP need its power increased to match the 60-mW AP?

- A. 8
- B. 12
- C. 13
- D. 20
- E. 57

Answer: C

Question: 20

A network engineer requires an antenna for a point-to-point bridge with at least 20 dBi of gain. Which antenna is appropriate for the task?

- A. Yagi
- B. patch
- C. parabolic dish
- D. dipole
- E. internal omnidirectional

Answer: C

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