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問題集

Exam : **642-582**

Title : Wireless LAN Wireless LAN for Field Engineers Exam

Version : DEMO

1.In Cisco's server-based authentication security scheme, what device is used as the supplicant of the system?

A.client

B.switch

C.Access Point

D.authentication server

Correct:A

2.Which three settings in a repeater Access Point are necessary to match the root Access Point? (Choose three.)

A.SSID

B.DNS name

C.IP address

D.Radio Channel

E.WEP configuration

F.Role in radio network

Correct:A D E

3.What is the benefit of spread spectrum technology OFDM modulation?

A.Range improves as data rates increases.

B.It makes 802.11g and 802.11a interoperable.

C.It requires less spectral bandwidth than CCK modulation.

D.It has better performance for multipath interference than CCK modulation.

Correct:D

4.The Cisco Aironet 1400 Series Bridge has a full duplex 100 Mbps interface using _____.

A.two 75 Ohm "F" style connectors

B.two 50 Ohm "N" style connectors

C.two 75 Ohm "N" style connectors

D.two 50 Ohm "RP-TNC" style connectors

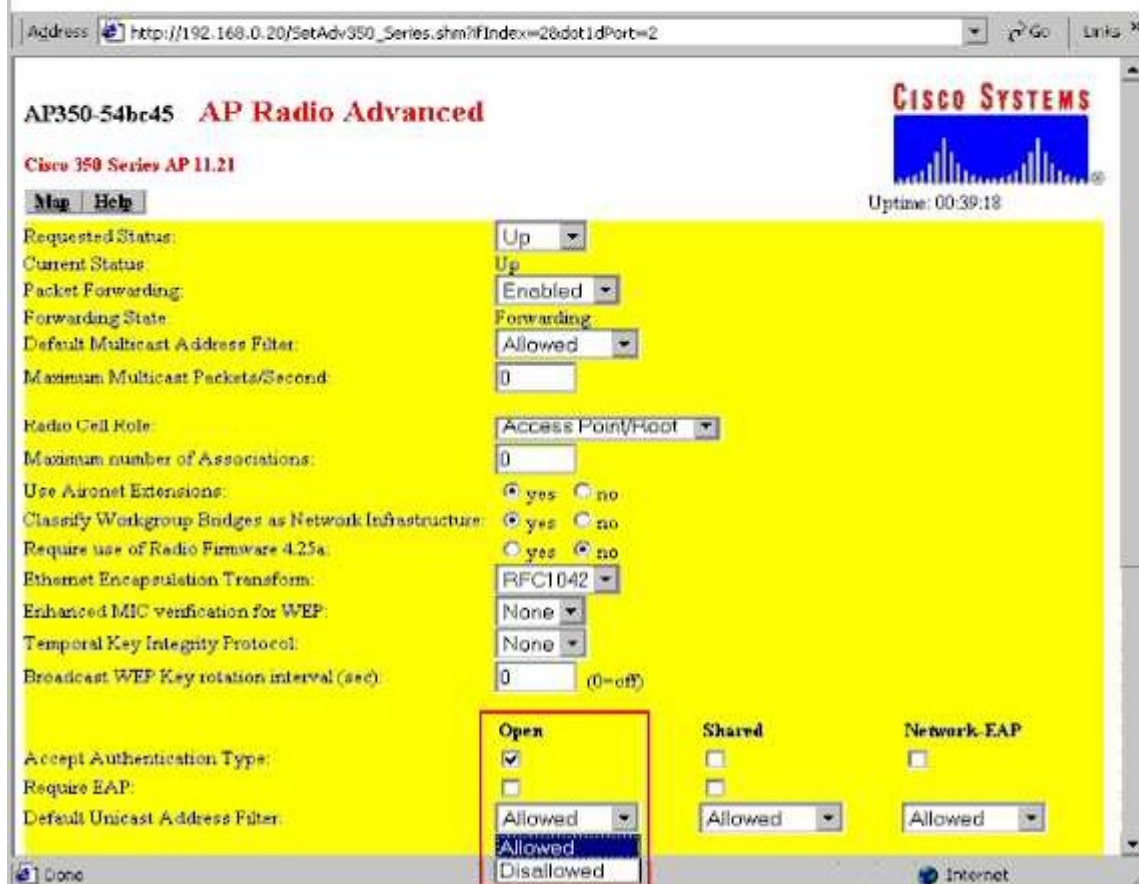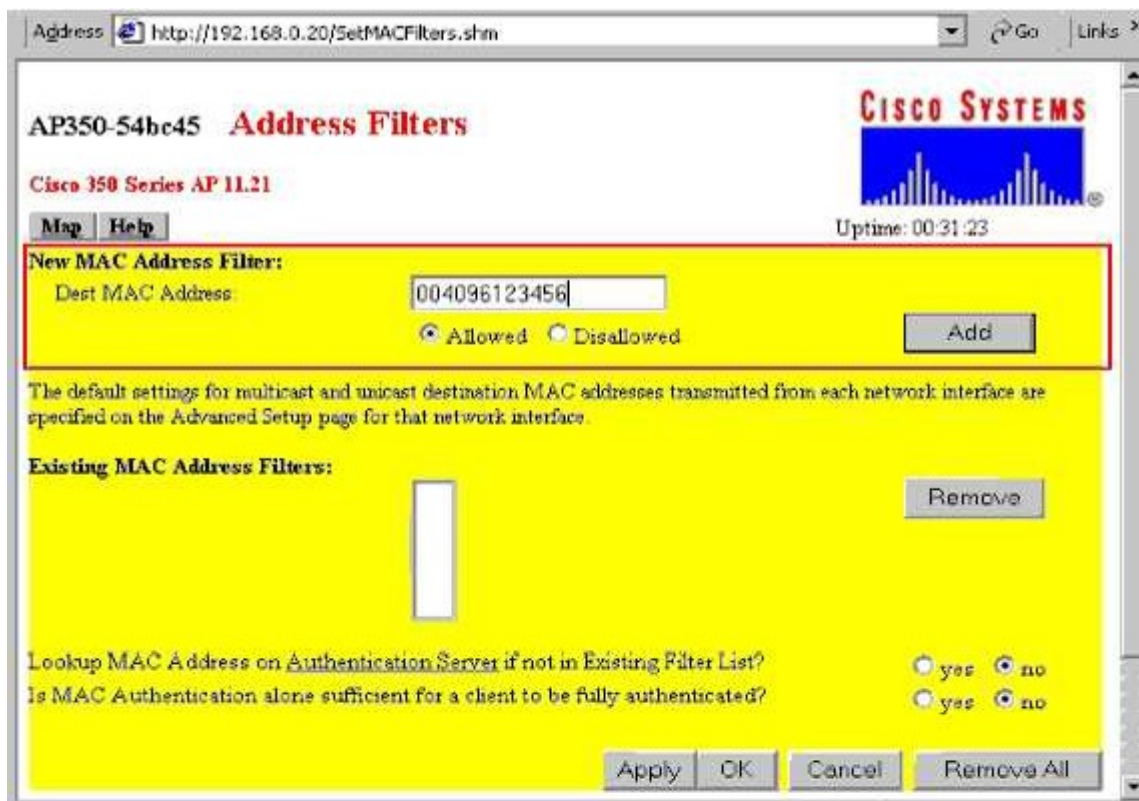**Correct:A**

5.An 802.11b radio utilizes how much of the 2.4 GHz ISM band for transmission?

A.1 MHz

B.11 MHz

C.22 MHz

D.83.5 MHz

Correct:C

6.You have a wireless LAN that you want to set up to stop traffic generated from one client on the RF. You have decided to set up a filter.What do you need to set up on the exhibits?

Address http://192.168.0.20/SetMACFilters.shm

AP350-54bc45 Address Filters

Cisco 350 Series AP 11.21

Map | Help   Uptime: 00:31:23

New MAC Address Filter:

Dest MAC Address: 004096123456

○ Allowed   ○ Disallowed   [Add]

The default settings for multicast and unicast destination MAC addresses transmitted from each network interface are specified on the Advanced Setup page for that network interface.

Existing MAC Address Filters:

[Remove]

Lookup MAC Address on Authentication Server if not in Existing Filter List?   ○ yes ● no
Is MAC Authentication alone sufficient for a client to be fully authenticated?   ○ yes ● no

[Apply] [OK] [Cancel] [Remove All]

Address http://192.168.0.20/SetAdv350_Series.shm?IfIndex=2&dot1dPort=2

AP350-54bc45 AP Radio Advanced

Cisco 350 Series AP 11.21

Map | Help   Uptime: 00:39:18

Requested Status: Up
Current Status: Up
Packet Forwarding: Enabled
Forwarding State: Forwarding
Default Multicast Address Filter: Allowed
Maximum Multicast Packets/Second: 0

Radio Cell Role: Access Point/Root
Maximum number of Associations: 0
Use Aironet Extensions: ● yes ○ no
Classify Workgroup Bridges as Network Infrastructure: ● yes ○ no
Require use of Radio Firmware 4.25a: ○ yes ● no
Ethernet Encapsulation Transform: RFC1042
Enhanced MIC verification for WEP: None
Temporal Key Integrity Protocol: None
Broadcast WEP Key rotation interval (sec): 0   (0=off)

	Open	Shared	Network-EAP
Accept Authentication Type:	☑	☐	☐
Require EAP:	☐	☐	
Default Unicast Address Filter:	Allowed	Allowed	Allowed
	Allowed		
	Disallowed		

Done   Internet

A. Address Filter page: Allowed; Access Point Radio Advanced page: Allowed
B. Address Filter page: Disallowed; Access Point Radio Advanced page: Allowed

C.Address Filter page: Allowed; Access Point Radio Advanced page: Disallowed

D.Address Filter page: Disallowed; Access Point Radio Advanced page: Disallowed

Correct:B

7.How many 2.4 GHz RF channels for DSSS are available in Japan?

A.2

B.9

C.11

D.13

E.14

Correct:E

8.Which program can be used to push profiles out to multiple Cisco Aironet clients?

A.ACU

B.ADU

C.ACM

D.ACAU

Correct:D

9.The Cisco Aironet 802.11a/b/g Wireless LAN Client Adapter has two LEDs. Which two indicate that the card is working properly (not necessarily associated)? (Choose two.)

A.green LED off; amber LED solid

B.green LED off; amber LED blinking sporadically

C.green LED blinking fast; amber LED blinking sporadically

D.green LED blinking slowly; amber LED blinking sporadically

Correct:C D

10.What can you do to reduce unnecessary traffic from being transmitted across the RF from an Access Point?

A.enable packet filtering

B.enable MAC address authentication

C.set the buffer size in the Access Point to a lower value

D.reduce the cell size by setting the transmit power to a lower setting

Correct:A

11.What does an Infrastructure AP use when registering with the WDS AP?

A.LEAP

B.PEAP

C.EAP-TLS

D.Static WEP

Correct:A

12.What two do Wireless Site Surveys determine? (Choose two.)

A.the size of a cell

B.the throughput of a cell

C.the data rate / range relationship in a cell

D.the number of users that can associate to the AP

Correct:A C

13.Which three values are required to be configured in ACS when adding an AP to the ACS database? (Choose three.)

A.broadcast WEP key

B.RADIUS shared secret

C.AP hostname or IP address

D.session key expiration interval

E.unique name for AP (AAA client) in ACS database

Correct:B C E

14.What DC voltage is used to power the Access Points through the use of in-line power to the Ethernet port?

A.-5 VDC

B.-9 VDC

C.-12 VDC

D.-48 VDC

Correct:D

15.Which three display modes are useful for determining the actual test AP coverage boundary? (Choose three.)

A.Speed

B.S/N Ratio

C.Signal Level

D.Packet Decode

E.Channel Scanning

Correct:A B C

16.What is the optimal way to deal with both public and private networks in the same wireless cell?

A.use VLANs

B.use diversity antenna systems

C.install two APs per cell and configure separate QoS

D.install two APs per cell and configure load balancing

Correct:A

17.When setting up a wireless repeater what should the variable "role in radio network" be configured as?

A.root

B.client

C.bridge

D.non-root

Correct:D

18.Which two steps are used to set up Fast Secure Roaming? (Choose two.)

A.configure the WDS options on the client

B.configure Fast Roaming parameters of the WLSE Server

C.enable APs on the subnet to allow CCKM authenticated key management for at least one SSID

D.configure the authentication server to authenticate the WDS AP and the APs that use the WDS AP

Correct:C D

19.A customer has an installed 4-mile wireless link using Cisco Aironet 350 Series wireless bridges in the U.S. It is currently running at 2 Mb, with 13.5 Yagi antennas (vertically polarized), and 50 ft. of Cisco cabling on each side. The customer now needs the wireless pipe to be increased to 11 Mb. The cabling cannot be shortened due to physical limitations.What can be

done legally to make this a solid 11 Mb pipe?

A.utilize an amplifier on each site

B.replace the Yagis with dish antennas

C.rotate the antennas 90 degrees and use horizontal polarization

D.increase the power output of the radios using firmware 10.10T or greater

Correct:B

20.Local Authentication Service on the Cisco Access Point allows a maximum of how many users?

A.10

B.25

C.50

D.100

Correct:C