Exam   :   **642-577**

Title   :   Wireless LAN Wireless LAN for System Engineers (WLANSE)

Version   :   DEMO

1.In the U.S., no licensing is required for which four RF bands? (Choose four.)

A.902-928 MHz

B.800-820 MHz

C.2.400-2.483 GHz

D.2.500-2.600 GHz

E.5.150-5.350 GHz

F.5.725-5.825 GHz

Correct:A C E F

2.What is the relationship between data rate and cell size (coverage area)?

A.The highest data rate has the largest cell size.

B.The lowest data rate has the smallest cell size.

C.The highest data rate has the smallest cell size.

D.Only the transmit power and antenna gain control the cell size not the data rate.

Correct:C

3.The typical antenna for a root bridge in a multipoint deployment is a(n) _____.

A.Yagi antenna B.Sector

antenna C.Parabolic dish

antenna D.Omni-directional

antenna **Correct:D**

4.A customer has a current site with an omni-directional antenna. It has 50 ft. of cabling that they are increasing to 100 ft.This change in cabling could _____.

A.increase the data rate

B.increase the coverage area

C.decrease the coverage area

D.decrease the angle of radiation from the antenna

Correct:C

5.The WLSE Cisco Aironet Conversion Tool allows the administrator to _____.

A.store base AP configuration

B.convert VxWorks APs to IOS

C.store base client configuration

D.convert APs to either VxWorks or IOS

Correct:B

6.A community wants to give officers access to the station house's server when they are on the road to view police records, which could help avert potential deadly and threatening individuals. The design has several bridges distributed throughout the city to provide coverage in every area of the city.What antenna would be most appropriate on the police cruiser?

A.an omni-directional antenna

B.a directional antenna (Yagi)

C.a directional antenna (patch)

D.an isotropically designed antenna

Correct:A

7.What are three benefits of using EAP/802.1X authentication for WLAN networks? (Choose three.)

A.detects 802.11 radio interference

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B.detects Denial of Service (DOS) attacks on the WLAN network

C.dynamically generates key material for encrypting data packets

D.provides mutual authentication between the user and the network

E.allows the IT administrator to implement user or user-group based policies (such as dynamic VLAN assignment)

Correct:C D E

8.What are three components of WPA (Version 1)? (Choose three.)

A.LEAP

B.48-bit IV

C.802.1X authentication

D.256-bit AES encryption cipher

E.per-packet keying and Message Integrity Check

Correct:B C E

9.Location Manager is a component of which device's user interface?

A.WLSE

B.Cisco ACS Server

C.Cisco Access Point

D.Cisco Client Adapters

Correct:A

10.The purpose of the 802.11g protection mechanism is to allow _____.

A.802.11g clients to roam to 802.11b APs

B.802.11b client cards to transmit at 802.11g data rates

C.the transmit power of an 802.11g AP to be set at 30 mW

D.802.11b client cards to transmit in the same cell with 802.11g clients without collisions

Correct:D

11.What is the purpose of the WPA 4-way handshake?

A.authenticates users

B.negotiates broadcast keys

C.derives WPA unicast keys

D.negotiates the encryption cipher types

Correct:C

12.A customer has a wireless link between two buildings using directional antennas. The installation was done in late November and was functioning well for a number of months. In April the link started to have problems.What are two likely causes for the problems? (Choose two.)

A.A cell phone tower was placed near one of the locations.

B.The connectors were not waterproofed and corrosion has built up in the cable.

C.There are trees between the two buildings that are now just starting to bud with new leaves.

D.The local power company has erected power lines that cross the line of sight of the bridge links.

Correct:B C

13.What is required to launch a dictionary attack against an EAP authentication algorithm?

A.userid or login

B.encryption key

C.master session key

D.RADIUS shared secret

Correct:A

14.Which two benefits does server-based authentication offer over standard WEP? (Choose two.)

A.It uses TACACS for authentication.

B.It uses dynamic session-based keys.

C.Authentication is based upon user name and password.

D.It keeps the WEP keys the same for all users for ease of use.

Correct:B C

15.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

16.What is the angle of coverage that an antenna radiates?

A.gain

B.diversity

C.bandwidth

D.beamwidth

E.Fresnel zone

Correct:D

17.What is the minimum overlap in RF coverage that is needed to allow a repeater to associate to a root Access Point?

A.25%

B.50%

C.75%

D.100%

Correct:B

18.What should you do before you perform a site survey? (Choose three.)

A.get map of building infrastructure

B.find out how many users and what kind of applications are used

C.use antenna radiation plot to predict maximum Access Point coverage

D.select what kind of Access Point and antenna meet the customer needs

Correct:A B D

19.Which statement about non-overlapping channels is true?

A.Non-overlapping channels share the same frequencies to improve roaming.

B.Non-overlapping channels use different frequency bands to improve roaming.

C.Non-overlapping channels share the same frequencies but use different modulations to avoid interference.

D.Non-overlapping channels use the same frequency band but use non-shared frequencies to avoid interference.

Correct:D

20.What is the calculation formula for EIRP?

A.Antenna gain - Transmitter Power + Cable Loss

B.Transmitter Power + Antenna Gain - Cable Loss

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C.Cable Loss + Antenna Gain - Receiver Sensitivity

D.Cable Loss + Receiver Sensitivity + Antenna Gain

Correct:B

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