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QUESTION & ANSWER

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Exam : **642-731**

Title : **Conducting Cisco Unified
Wireless Site Survey**

Version : **Demo**

1.How many access points will a Cisco 7600 Series Router with six installed Cisco Catalyst 6500 Series Wireless Services Modules support?

- A.300
- B.448
- C.664
- D.1800
- E.2400

Answer:D

2.Which value is NOT supported by Cisco Spectrum Expert, when checking for RF coverage?

- A.access point received-signal strength level
- B.spectrum utilization
- C.client data rate
- D.in-band radio frequency interference

Answer:C

3.Which is NOT part of a typical wireless site survey?

- A.implementation suggestions
- B.access point locations
- C.security requirements
- D.access point mounting methods

Answer:C

4.What are two objectives of a pre-site survey walkthrough? (Choose two.)

- A.identify potential problem areas
- B.define intended coverage areas
- C.assess compliance with local building codes
- D.determine the final location of APs and antennas
- E.identify sources of RF signal attenuation and RF interference

Answer:A B

5.If there is an existing 802.11g WLAN at a site, which service can be provided without conducting a new site survey?

- A.add a new 802.11a WLAN
- B.increase the Layer 2 and Layer 3 security of the WLAN
- C.increase the throughput for the wireless clients
- D.add new services (such as voice) over the WLAN

Answer:B

6.Construction of a new automobile parts manufacturing facility has recently been completed. The facility IT manager wants to deploy voice over WLAN. During your initial walkthrough, you observe numerous highly reflective surfaces on the manufacturing equipment and in the building construction itself. What potential problem exists that should be accounted for during your site survey?

- A.LOS modulation
- B.multipath distortion
- C.RF signal absorption
- D.RF signal attenuation
- E.Fresnel zone impedence

Answer:B

7.To which parameter should the access point be set during a site survey?

- A.transmit only
- B.diversity
- C.receive only
- D.single isolated antenna

Answer:B

8.Which statement is true when using a Cisco Wireless Mesh Networking Solution?

- A.The backhaul link is dynamic 1 to 54 Mb/s.
- B.The backhaul link is typically a fixed value.
- C.The backhaul link uses DAS antennas.
- D.The backhaul link uses antenna multiplexing.
- E.The backhaul link does not rely on fade margin.

Answer:B

9.What approximates the signal attenuation of a plasterboard wall?

- A.crowd of people
- B.office window
- C.metal door
- D.brick wall

Answer:B

10.The AirMagnet passive site survey tool can provide RF coverage data, except for which parameter?

- A.Signal Strength (4th access point)
- B.Signal Strength (3rd access point)
- C.Channel Interference
- D.Predictive Physical Data Rate Downlink (2nd access point)

Answer:A

11.Where should known problem areas in the site survey be documented?

- A.nowhere (but should be discussed with the customer)
- B.on the site survey map and within the site survey text
- C.on the customer's blueprints
- D.in the Cisco WCS Planning Tool

Answer:B

12.What is the term for the space that exists above a drop ceiling or below a raised floor and that is used for air return?

- A.NEMA area
- B.plenum area
- C.DAS area
- D.extended area
- E.RF special area

Answer:B

13.When using WMM Call Admission Control, what are the default bandwidth values for video on 802.11a/n?

- A.Max RF bandwidth is 75 percent; reserved roaming bandwidth is 6 percent.
- B.Max RF bandwidth is 50 percent; reserved roaming bandwidth is 10 percent.
- C.Max RF bandwidth is 50 percent; reserved roaming bandwidth is 15 percent.

D.Max RF bandwidth is 0 percent; reserved roaming bandwidth is 0.

Answer:D

14.Which statement best describes Cisco WCS support for antennas?

A.Cisco WCS supports third-party antennas for location applications.

B.Access points that are defined with third-party antennas will not participate in rogue on-demand location tracking.

C.Cisco WCS supports third-party antenna gain, azimuth, and elevation propagation patterns.

D.Access points that are defined with a third-party antenna in Cisco WCS will display coverage heat maps.

Answer:B

15.Which Cisco access point should be used for a customer site that requests hardware to support Maximal Ratio Combining indoors?

A.AP1130

B.AP1242

C.AP1252

D.BR1310

Answer:C

16.Under U.S. regulatory domain, which channel plan delivers the proper coverage in a large lecture hall that requires four access points?

A.1, 4, 7, 11

B.1, 4, 8, 11

C.1, 6, 11, 1

D.2, 4, 6, 8

Answer:C

17.To provide efficient roaming between the cells, which percent of cell overlap is recommended for 2.4 GHz and 5 GHz access points?

A.5 to 10 percent for both 2.4 GHz and 5 GHz

B.10 percent for both 2.4 GHz and 5 GHz

C.20 percent for 2.4 GHz and 15 to 20 percent for 5 GHz

D.20 percent for 2.5 GHz and 10 percent for 5 GHz

Answer:C

18.Which class of Cisco access points operate under IEEE 802.3af power?

A.Class A

B.Class 1

C.Class 2

D.Class 3

E.Class 4

Answer:D

19.What is the minimum recommended access point overlap for voice roaming?

A.less than 10 percent

B.10 to 15 percent

C.15 to 20 percent

D.25 to 30 percent

Answer:C

20.By how much is a signal's strength reduced when the signal passes through an object that introduces

3 dB of attenuation?

A. 1/6

B. 1/4

C. 1/3

D. 1/2

Answer:D