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Vendor:CWNP

Exam Code:PW0-104

Exam Name:Wireless LAN Administration Exam

Version:Demo

QUESTION 1

Given: ABC Hospital is planning a Wi-Fi infrastructure upgrade where the 802.11b/g APs would be replaced with new dual-radio HT (802.11n) APs. ABC wants to minimize the time and cost associated with performing a new site survey, so

they will be mounting all of the new APs in the same locations and with the same cable drops as the existing APs.

What is one performance drawback with this deployment method?

- A. Multipath will increase, causing excessive layer-2 retransmissions. The retransmissions will cause latency for VoWiFi handsets.
- B. Increased receiver sensitivity on the HT APs will cause them to continually change channels to avoid co-channel interference.
- C. If the existing UTP cabling is not Category 6 or better, the total Ethernet backhaul for each AP will be limited to 100 Mbps.
- D. In locations with line-of-sight to client devices and little multipath, the benefits of MIMO may be less significant than in other areas.

Correct Answer: D

QUESTION 2

ABC Company has just purchased a 6 dBi patch antenna. After performing some tests with the 6 dBi antenna, they have concluded that more antenna gain is needed to cover their outdoor courtyard. When choosing an antenna with higher gain, what other antenna characteristic will also change?

- A. Fresnel Zone size
- B. Maximum input power
- C. Beamwidth
- D. Impedance
- E. VSWR Ratio

Correct Answer: C

QUESTION 3

What 802.11n technologies require MIMO support on both the transmitter and receiver? (Choose 2)

- A. Spatial multiplexing
- B. Transmit beamforming
- C. Maximal ratio combining

- D. Space-time block coding
- E. Cyclic shift diversity
- F. Short guard intervals

Correct Answer: AD

QUESTION 4

What word describes the bending of an RF signal as it passes from one medium to another medium of a different density?

- A. Diffraction
- B. Reflection
- C. Refraction
- D. Diffusion
- E. Scattering

Correct Answer: C

QUESTION 5

When performing a site survey for a Multiple Channel Architecture (MCA) system in a multi-tenant building with six floors, what aspect should you, as the site surveyor, keep in mind?

- A. All doors and windows in the building should be open during the site survey to assess maximum coverage range.
- B. The omni-directional antennas of the access points should be oriented parallel to the floor to maximize the coverage pattern across as many floors as possible.
- C. The channel reuse pattern should be three dimensional with the RF cell extending coverage of each access point to other floors.
- D. The Fresnel Zone is completely blocked between floors so each floor is considered a separate site survey.

Correct Answer: C

QUESTION 6

What facts are true regarding controllers and APs in a Split MAC architecture? (Choose 2)

- A. An IP tunnel is established between the AP and controller for AP management and control functions.
- B. Using centralized data forwarding, APs never tag Ethernet frames with VLAN identifiers or 802.1p CoS.
- C. With 802.1X/EAP security, the AP acts as the supplicant and the controller acts as the authenticator.

D. Management and data frame types must be processed locally by the AP, while control frame types must be sent to the controller.

E. In a distributed (local bridging) data forwarding model, the AP handles frame encryption and decryption.

Correct Answer: AE

QUESTION 7

Prior to association, what parameter can 802.11 client devices measure and use to select the optimal access point for association?

- A. Signal strength of access point beacons
- B. Proximity to potential access points
- C. Retry rate of probe request and response frames
- D. Average round trip time to reach the IP gateway
- E. Number of nearby RF interference sources

Correct Answer: A

QUESTION 8

What component of the 802.11 standard allows stations to reserve access to the RF medium for a specified period of time?

- A. Long slot times
- B. DTIM Interval
- C. Listen Interval
- D. Probe Request frames
- E. RTS or CTS frames

Correct Answer: E

QUESTION 9

Given: ABC Company has hired you to perform an initial site survey of their facility. During an interview, the network manager informs you that the new wireless network must use 5 GHz bands and OFDM, and VoWiFi handsets will be used extensively over the wireless network.

What items do you need to include in the RF site survey report? (Choose 2)

- A. A heat map demonstrating signal quality in areas where VoWiFi is supported.

- B. Codec types and sampling rates for each VoWiFi phone
- C. Security parameters and configuration steps for VoWiFi handsets.
- D. Test results from an active survey with a VoWiFi handset
- E. Results of DFS compliance tests for each AP

Correct Answer: AD

QUESTION 10

In a Wi-Fi client configuration utility, what feature is most likely to be user configurable?

- A. 802.1p to WMM mappings
- B. SNMPv3 Users
- C. WMM-PS Dozing Interval
- D. RADIUS Server IP Address
- E. EAP Authentication Type

Correct Answer: E

QUESTION 11

The IEEE 802.11-2007 standard requires ERP capable devices to be backward compatible with devices using which other 802.11 physical layer specifications (PHYs)? (Choose two)

- A. DSSS
- B. FHSS
- C. HR/DSSS
- D. ERP-PBCC
- E. DSSS-OFDM

Correct Answer: AC

QUESTION 12

Given:

A WLAN transmitter that emits a 200 mW signal is connected to a cable with 3 dB loss.

If the cable is connected to an antenna with 10 dBi gain, what is the EIRP at the antenna element?

A. 10 dBm

B. 13 dBm

C. 20 dBm

D. 26 dBm

E. 30 dBm

Correct Answer: E

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