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QUESTION 1

In a single channel architecture (SCA) WLAN system, 802.11n (HT) APs should not share an SSID with 802.11g (ERP) APs.

What is the reason for this recommendation?

- A. Client stations would see two different sets of AP capabilities as they roam between APs with the same BSSID.
- B. The added range of 802.11n APs would cause additional co-channel interference.
- C. The additional beacon material in 802.11n beacons would confuse 802.11b/g client stations.
- D. Beacons from 802.11n APs use 40 MHz channels, while beacons from 802.11g APs use 20 MHz channels.

Correct Answer: A

QUESTION 2

When a client moves to a new BSS within an ESS, what step is a part of the 802.11 reassociation process?

- A. The client station transmits a Reassociation Request frame to its current access point.
- B. The current access point informs the IP gateway of the reassociation.
- C. The current access point triggers the client's reassociation service.
- D. The new access point transmits a Reassociation Response to the client station with a status value.

Correct Answer: D

QUESTION 3

You are selecting antennas for a WLAN operating in the 5 GHz frequency band. What specifications should be evaluated for an antenna before it is implemented in this WLAN system?

- A. 802.11ad compatibility
- B. TPC support
- C. Impedance in Ohms
- D. Return Loss Rating

Correct Answer: C

QUESTION 4

The IEEE 802.11-2012 standard requires VHT capable devices to be backward compatible with devices using which

other 802.11 physical layer specification (PHY)?

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

Correct Answer: A

QUESTION 5

When using an RF splitter to connect one transceiver to sector antennas loss is incurred. What is this loss called?

- A. Conversion loss
- B. Through loss
- C. Active loss
- D. Intentional loss

Correct Answer: B

QUESTION 6

What is the intended use for the WLAN hardware known as a pole or mast mount unit?

- A. Mounting a lightningarrestor to a grounding rod
- B. Mounting anomnidirectional antenna to a mast
- C. Mounting an RF amplifier to a dipole antenna
- D. Mounting a PoE injector to a perforated radome
- E. Mounting an access point to a site survey tripod

Correct Answer: B

QUESTION 7

ABC Company is planning toinstall a new 802.11ac WLAN, but wants to upgrade its wired infrastructure first to provide the best user experience possible. ABC Company has hired you to perform the RF site survey. During the interview with the network manager, you are told that the newEthernet edge switches will support VoIP phones and 802.11 access points, both using 802.3 PoE. After hearing this information, what immediate concerns do you note?

- A. VoIP phones and 802.11 access points should not be powered by the same edge switch dueto distortion.

- B. The edge Ethernet switches should support Ether-channel to get the best results out of the network.
- C. If the switches are in optimal locations for VoIP phones, they are likely to be suboptimal locations for 802.11 APs.
- D. The power budget in the edgeswitches must be carefully planned and monitored based on the number of supported PoE devices.

Correct Answer: D

QUESTION 8

You are using a tool that allows you to see signal strength for all APs in the area with a visual representation. It shows you SSIDs available and the security settings for each SSID. It allows you to filter by frequency band to see only 2.4 GHz networks or only 5 GHz networks. No additional features are available. What kind of application is described?

- A. Site survey utility
- B. Protocol analyzer
- C. Spectrum analyzer
- D. WLAN discovery tool

Correct Answer: D

QUESTION 9

What phrase defines Equivalent Isotropically Radiated Power (EIRP)?

- A. The power output from the radio into the RF cable
- B. The power output from the radio after cable losses
- C. The highest RF signal strength that is transmitted from a given antenna
- D. Power supplied from the transmission line to the antenna input

Correct Answer: C

QUESTION 10

What is always required to establish a high quality 2.4 GHz RF link at a distance of 3 miles (5 kilometers)?

- A. Minimum output power level of 2 W
- B. Grid antennas at each endpoint
- C. A minimum antenna gain of 11 dBi at both endpoints

D. A Fresnel Zone that is at least 60% clear of obstructions

Correct Answer: D

QUESTION 11

For what likely reasons might an organization choose to purchase an AP designed for outdoor deployment to use as an indoor WLAN AP at an industrial facility? (Choose 2)

- A. Aesthetic requirements
- B. Physical security and theft prevention
- C. Protection from environmental conditions
- D. Reduce transient RF interference
- E. 802.11 security compliance

Correct Answer: BC

QUESTION 12

What are two channel modes specified by the 802.11n (High Throughput) PHY? (Choose 2)

- A. 20 MHz
- B. 20/40 MHz
- C. 40/80 MHz
- D. 22 MHz
- E. 80 MHz
- F. 160 MHz

Correct Answer: AB

QUESTION 13

What statement about 802.3-2012, Clause 33 Power over Ethernet is true?

- A. Up to 30 watts of power may be provided through an Ethernet cable.
- B. By using CAT3 cabling, you can increase the maximum draw available to the PD.
- C. When using CAT5 cabling, you decrease the maximum draw available to the PD.
- D. Only endpoint PSEs are supported.

E. Only midspan PSEs are supported.

Correct Answer: A

QUESTION 14

Which one of the following channels can be used for VHT transmissions?

A. 11

B. 6

C. 48

D. 1

Correct Answer: D

QUESTION 15

What word describes the bending of an RF signal as it passes through a medium of a varying density from that of free space?

A. Diffraction

B. Reflection

C. Refraction

D. Diffusion

E. Scattering

Correct Answer: C

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