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QUESTION 1

What causes of hidden nodes within a BSS would be more likely lead to an increase in collisions and retries? (Choose 2)

- A. Data frames too large for the physical environment
- B. Client stations broadcasting with too much power
- C. Access points broadcasting with too little power
- D. Client stations too close in proximity to each other
- E. Obstacles between client stations causing attenuation
- F. Large 802.11 cells with physically distributed stations

Correct Answer: EF

QUESTION 2

In a long-distance RF link, what statement about Fade Margin is true?

- A. Fade Margin is an additional pad of signal strength designed into the RF system to compensate for unpredictable signal fading.
- B. The Fade Margin of a long-distance radio link should be equivalent to the receiver's antenna gain.
- C. A Fade Margin is unnecessary on a long-distance RF link if more than 80% of the first Fresnel zone is clear of obstructions.
- D. The Fade Margin is a measurement of signal loss through free space, and is a function of frequency and distance.

Correct Answer: A

QUESTION 3

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 4

You are being interviewed by ABC Company for employment as a wireless site survey expert. The interviewing manager asks you what items should be included in a site survey report generated as part of a manual site survey process.

What answer would be accurate?

- A. Itemized list of equipment, licenses, and support contracts required for the facility
- B. RF heat map illustrating coverage and signal quality for each frequency band
- C. Documentation proving proper entry of wall material types into the site survey software
- D. Documentation noting how each WLAN user group will authenticate to the network

Correct Answer: B

QUESTION 5

ABC Company has a 2.4 and 5 GHz WLAN deployment. DFS functionality is enabled as required by the regulatory domain and APs use DFS channels as long as radar is not detected. Band steering is also enabled to encourage dual-band clients to use frequency bands with more capacity.

Your performance analysis shows that many dual-band VoWiFi client devices will move back and forth between 2.4 and 5 GHz as the users roam throughout the building. All APs have 2.4 and 5 GHz radios enabled with transmit power adjusted to accommodate relatively similar cell sizes.

This "band hopping" behavior is viewed by network staff to be undesirable. What is the most likely cause of the unpredictable client band selection behavior?

- A. Interference from 5 GHz radar sources has increased frame corruption and retries on channels 36-48.
- B. 5 GHz frequencies offer better RF penetration than 2.4 GHz, but 2.4 GHz offers more voice call capacity and lower latency than 5 GHz.
- C. The voice client does not support DFS, and therefore experiences some 5 GHz coverage holes as it moves through the network.
- D. The client's band selection algorithm prefers 5 GHz, but band steering behavior usually steers 75-85% of client devices to 2.4 GHz.

Correct Answer: C