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QUESTION 1

A newly installed VoIP phone is not getting the DHCP IP address it needs to connect to the phone system. Which of the following tasks need to be completed to allow the phone to operate correctly?

- A. Assign the phone's switchport to the correct VLAN
- B. Statistically assign the phone's gateway address
- C. Configure a route on the VoIP network router
- D. Implement a VoIP gateway

Correct Answer: A

Assign the phone's switchport to the correct VLAN: This is the most likely solution as the phone is not getting the DHCP IP address it needs, which typically indicates an issue with the VLAN configuration on the switch. By assigning the phone's switchport to the correct VLAN, the phone will be able to receive an IP address via DHCP from the phone system.

QUESTION 2

Two network technicians are installing a fiber-optic link between routers. The technicians used a light meter to verify the correct fibers. However, when they connect the fibers to the router interface, the link does not connect. Which of the following would explain the issue? (Choose two.)

- A. They used the wrong type of fiber transceiver.
- B. Incorrect TX/RX polarity exists on the link
- C. The connection has duplexing configuration issues.
- D. Halogen light fixtures are causing interference.
- E. One of the technicians installed a loopback adapter.
- F. The RSSI was not strong enough on the link

Correct Answer: AB

QUESTION 3

Which of the following documents is MOST likely to be associated with identifying and documenting critical applications?

- A. Software development life-cycle policy
- B. User acceptance testing plan



- C. Change management policy
- D. Business continuity plan

Correct Answer: D

A business continuity plan (BCP) is a document that outlines the procedures and strategies to ensure the continuity of critical business functions in the event of a disaster or disruption. A BCP is most likely to be associated with identifying and

documenting critical applications that are essential for the organization's operations and recovery. A BCP also defines the roles and responsibilities of the staff, the backup and restore processes, the communication channels, and the testing

and maintenance schedules.

References: Network+ Study Guide Objective 5.2: Explain disaster recovery and business continuity concepts.

QUESTION 4

A technician is installing a high-density wireless network and wants to use an available frequency that supports the maximum number of channels to reduce interference. Which of the following standard 802.11 frequency ranges should the technician look for while reviewing WAP specifications?

- A. 2.4GHz
- B. 5GHz
- C. 6GHz
- D. 900MHz

Correct Answer: B

5GHz is the frequency range that supports the maximum number of channels and reduces interference in a high-density wireless network. The 802.11 standard for this range offers more non-overlapping channels, which reduces the likelihood of interference with other devices and improves overall network performance.

QUESTION 5

A user reports a weak signal when walking 20ft (6.1 m) away from the WAP in one direction, but a strong signal when walking 20ft in the opposite direction

The technician has reviewed the configuration and confirmed the channel type is correct

There is no jitter or latency on the connection.

Which of the following would be the MOST likely cause of the issue?

- A. Antenna type
- B. Power levels



C. Frequency

D. Encryption type

Correct Answer: A

The antenna type affects the signal strength and coverage of a WAP. Different types of antennas have different radiation patterns and gain, which determine how far and wide the signal can reach. If the user experiences a weak signal in one direction but a strong signal in the opposite direction, it could mean that the antenna type is not suitable for the desired coverage area. The technician should consider changing the antenna type to one that has a more balanced or directional radiation pattern. References: <https://community.cisco.com/t5/wireless-small-business/wap200-poor-signal-strength/td-p/1565796>

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