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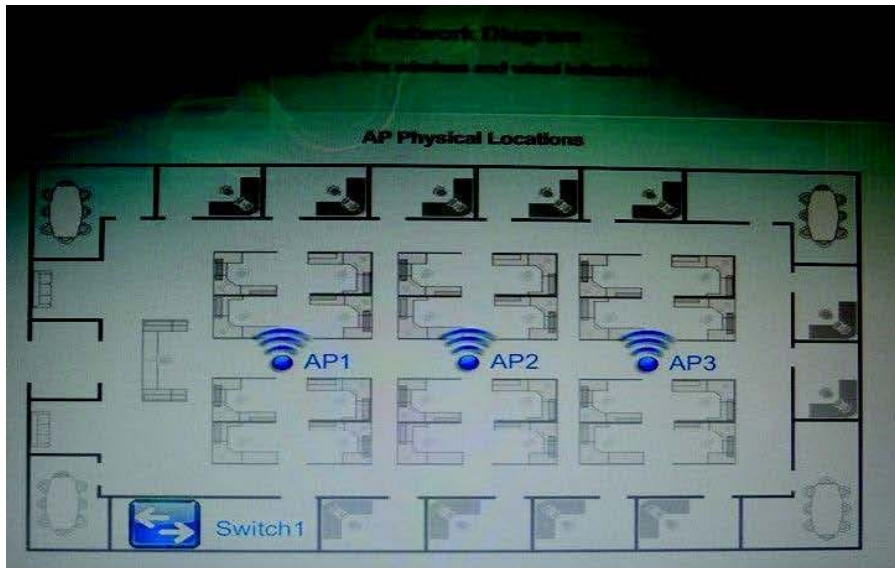
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**QUESTION 1****SIMULATION**

Wireless network users recently began experiencing speed and performance issues after access point 2 (AP2) was replaced due to faulty hardware. The original network was installed according to a consultant's specifications and has always worked without a problem. You a network technician, have been tasked with evaluating the situation and resolving the issues to improve both performance and connectivity. Refer to the following diagram and perform any Necessary changes to the wireless and wired infrastructure by adjusting devices.

NotE. Adjust the LEAST number of devices needed to fix the issue all blue icons in the image are clickable.



Access Point Configuration

Access Point Name: AP1

IP Address: 192.168.100.151

Gateway: 192.168.100.1

SSID: CorpNET

SSID Broadcast: ☒ Yes ☐ No

Wireless

Mode: G

Channel: 1

Wired

Speed: ☐ Auto ☒ 100 ☐ 1000

Duplex: ☐ Auto ☐ Half ☒ Full

Security

Security Settings: ☐ None ☐ WEP ☒ WPA

Key or Passphrase: 123456789b

Reset Submit

Access Point Configuration

Access Point Name: AP2

IP Address: 192.168.100.152

Gateway: 192.168.100.1

SSID: CorpNET

SSID Broadcast: ☒ Yes ☐ No

Wireless

Mode: B

Channel: 1

Wired

Speed: ☒ Auto ☐ 100 ☐ 1000

Duplex: ☒ Auto ☐ Half ☐ Full

Security

Security Settings: ☐ None ☐ WEP ☒ WPA

Key or Passphrase: 123456789b

Reset Submit



Access Point Name: AP3

IP Address: 192.168.100.153 / 24

Gateway: 192.168.100.1

SSID: CorpNET

SSID Broadcast: ☒ Yes ☐ No

Wireless

Mode: G

Channel: 11

Wired

Speed: ☐ Auto ☒ 100 ☐ 1000

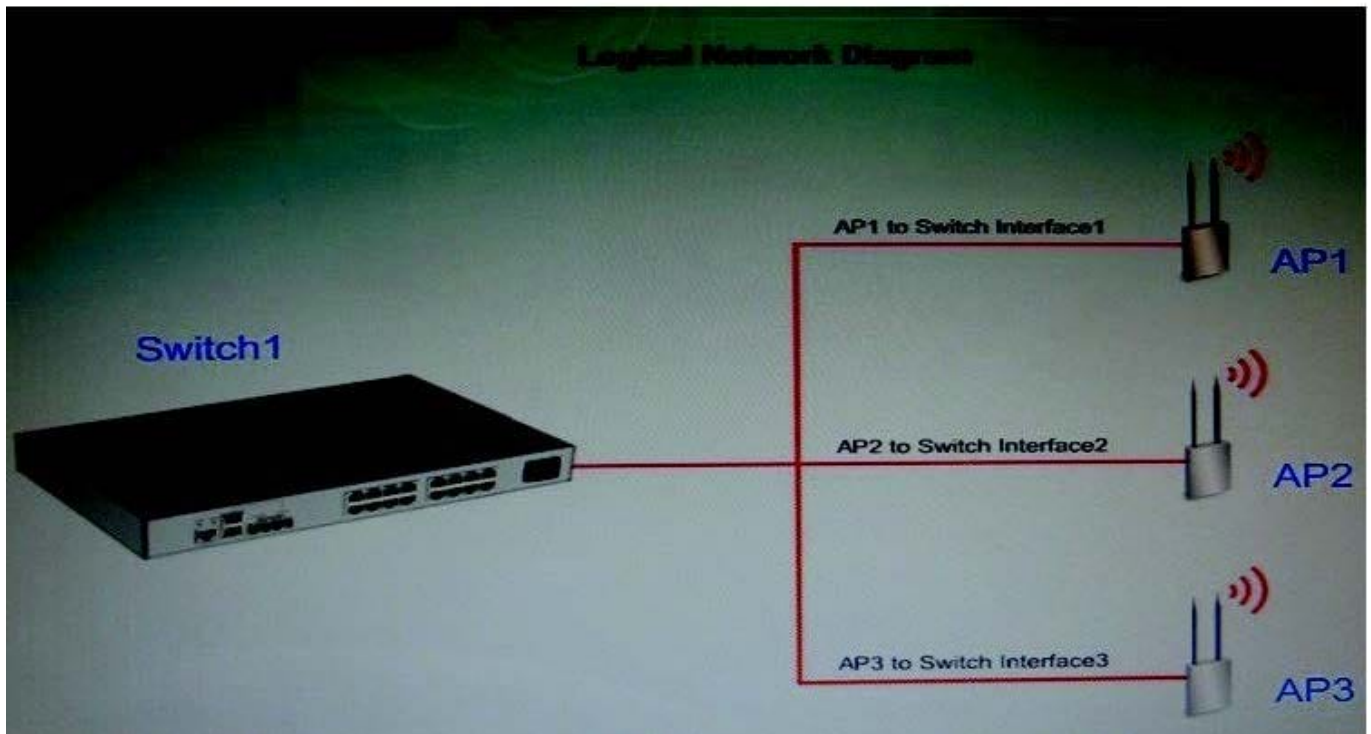
Duplex: ☐ Auto ☐ Half ☒ Full

Security

Security Settings: ☐ None ☐ WEP ☒ WPA

Key or Passphrase: 123456789b

Reset Submit



Correct Answer: Check the answer in explanation.

Answer: AP2 configuration is not correct. The wireless mode should be 'G' and channel should be '11'. For the wired interface, the speed should be set to 100 and duplex to 'Full'. Click 'Submit'.



QUESTION 2

Which of the following cable types is employed to protect against interference in the physical environment or when security is a concern?

- A. STP
- B. RG-6
- C. Fiber
- D. RG-59

Correct Answer: C

QUESTION 3

Users inform an administrator that the network is slow. The administrator notices the bulk of the traffic is SIP and RTP traffic. Which of the following could the administrator do to help BEST alleviate the traffic congestion for the users?

- A. Create an ACL on the switches and routers that are dropping SIP and RTP packets.
- B. Create a QoS policy prioritizing users over RTP and SIP traffic.
- C. Create another VLAN for SIP and RTP traffic.
- D. Create a rule to throttle SIP and RTP to 10Kbps or less.

Correct Answer: C

As if we will create a vlan for sip and rtp traffic only this traffic will flow from the ports then .

QUESTION 4

The unit responsible for the successful shaping and transmission of a digital signal is called:

- A. demarc.
- B. T1 hub.
- C. smart jack.
- D. CSU/DSU.

Correct Answer: D

**QUESTION 5**

Ann, a new user, has a workstation that has connectivity to the printer located in her department, but cannot access the Internet. The result of an ipconfig command on Ann\\'s workstation is as follows:

IP address: 192.168.0.124 Subnet Mask: 255.255.255.128 Default Gateway: 192.168.0.254

Which is MOST likely preventing the user from accessing the Internet?

- A. Duplicate IP address
- B. Incorrect gateway
- C. Incorrect VLAN
- D. Bad switch port

Correct Answer: B

We usually give default gateway as an end device which is directly connected with ISP so in this case user has lost his connectivity with due to wrong default gateway configured.

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