CompTIA

Exam Questions 220-1101

CompTIA A+ Certification Exam: Core 1

NEW QUESTION 1
Which of the following components enables the input on a mobile device's touch screen?

A. OLED
B. Digitizer
C. Inverter
D. CMOS sensor

Answer: B

NEW QUESTION 2
Which of the following should the data center hardware technician implement to ensure maximum uptime for customers' virtual machines?

A. Line conditioner
B. AC voltage regulator
C. Uninterruptible power supply
D. Cloud storage backup

Answer: C

NEW QUESTION 3
A field technician has been dispatched to a site with an internet outage. Upon arriving, the technician discovers that the POTS lines are not working as well. Which of the following technologies is the site MOST likely using?

A. Fiber
B. Cable
C. DSL
D. Satellite

Answer: C

NEW QUESTION 4
A user on a SOHO network is unable to watch online videos, even at 240 pixels. The technician runs ipconfig from the user's computer and records the following:

```
Connection-specific DNS Suffix .: lan
Link-local IPv6 Address.........: fe80::1585:7fb2:b05f:7102%12
IPv4 Address....................: 192.168.1.131
Subnet Mask.....................: 255.255.255.0
Default Gateway.................: 192.168.1.1
```

The technician then connects a test laptop to the router via the user's Cat 5 cable and records the following information:

```
Download: 85 mbps
  Upload: 22 mbps
    Ping: 28 ms
```

Which of the following is MOST likely causing the user's issue?

A. Incorrect IP address
B. Faulty NIC
C. Misconfigured default gateway
D. Bad network cable

Answer: D

NEW QUESTION 5
A user reports that printed receipts have black smudges over the entire image. The text is still present but is very dark and sometimes illegible. Which of the following are the MOST likely cause and solution for the printer issue?

A. The ribbon is jammed and is rubbing on the pape
B. Clear the bad ribbon and feed it through properly.
C. The printhead is too ho
D. Adjust the temperature down and retry printing.
E. The printer is loaded with the wrong type of pape
F. Replace the receipt paper with carbon paper.
G. The blue ink cartridge was loaded with black in
H. Put in the correct ink and clean the printhead.

Answer: C

NEW QUESTION 6
An organization has some computers running macOS and some computers running Windows. The computers running macOS also need to run a piece of software that is only available on Windows.
Which of the following BEST describes the solution for running Windows software on a computer running macOS?

A. Operating system spoofing

B. Remote software provisioning
C. Indirect software implementation
D. Cross-platform virtualization

Answer: D

NEW QUESTION 7

An end user reports that the time and date on a desktop resets after shutdown, and subsequently, the device reboots. The next day, the desktop does not load the OS and is stuck at a black screen with the following message:

```
Date/Time Not Set
Press F1 to Run Setup
```

Which of the following would be the BEST action to take next?

A. Change the motherboard.
B. Reseat the motherboard power connections.
C. Replace the CMOS battery.
D. Restore the BIOS to factory default settings.

Answer: C

NEW QUESTION 8

A laptop PC user is reporting issues with the hard drive. A filesystem check shows that all files are accessible and the filesystem is clean. After the check, the PC still issues a hard drive error message. Which of the following is the MOST likely cause of the error?

A. S.M.A.R.T failure
B. IOPS failure
C. DIMM failure
D. RAID failure

Answer: A

NEW QUESTION 9

A technician is commissioning a workstation that is required to have mirrored storage, utilizing two 4TB drives that support one failure. Which of the following BEST meets these requirements?

A. RAID 0
B. RAID 1
C. RAID 5
D. RAID 10

Answer: B

NEW QUESTION 10

A technician installed a Cat 5 UTP cable approximately 275ft (84m) from a network switch in an office to a workstation located on a factory floor The technician sees both a flashing green LED and a flashing orange LED on the workstation's NIC. Which of the following should the technician do FIRST?

A. Check for loose connections, pinched bends, and physical damage.
B. Install a powered hub as close as possible to the halfway point in the Cat 5 UTP cable run.
C. Replace the entire run of Cat 5 UTP cable with Cat 5 STP cable.
D. Upgrade the entire cable run to multimode fiber.

Answer: A

NEW QUESTION 10

A user brings an older laptop to the help desk and reports issues with the keyboard. Upon inspection, the technician does not see any external damage but notices that many keystrokes da not register in a word processor. The laptop works fine when the technician tests it with an external keyboard. Which of the following actions would MOST likely resolve the issue?

A. Disable the sticky keys feature.
B. Clean the keyboard.
C. Reset the BIOS settings to default.
D. Charge the laptop.

Answer: C

NEW QUESTION 15

A customer is using a satellite internet connection that is experiencing slowness. A technician notices high latency while pinging, but the download test is performing perfectly with very good download speeds. Which of the following represents the NEXT action the technician should perform?

A. Restart the modem and run an online internet connection and speed diagnostic tool.
B. Guide the customer on how to upgrade the internet plan with the provider in order to improve latency.
C. Explain to the customer this is not an issue; this situation is normal for this type of internet connection.
D. Replace the modem because it is not working correctly based on the test result.

Answer: A

NEW QUESTION 19
Which of the following standards supports MIMO technology?

A. 802.11a
B. 802.11b
C. 802.11g
D. 802.11n

Answer: D

NEW QUESTION 23
A small ISP has hired a new technician Joe, the new technician, is being trained to configure customers* home networks The trailing instructor gives me technician a starter kit with cables, cable ends, and other network equipment and asks mm to build a working network.
The computer should be connected to have internet connectivity and the phone should be connected to have a dial tone.
INSTRUCTIONS
Use the appropriate cables. cable ends, tools and equipment to configure the network ana connect an components accordingly
There are 3 steps and the simulation starts on step 1.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
A picture containing text, screenshot, indoor Description automatically generated
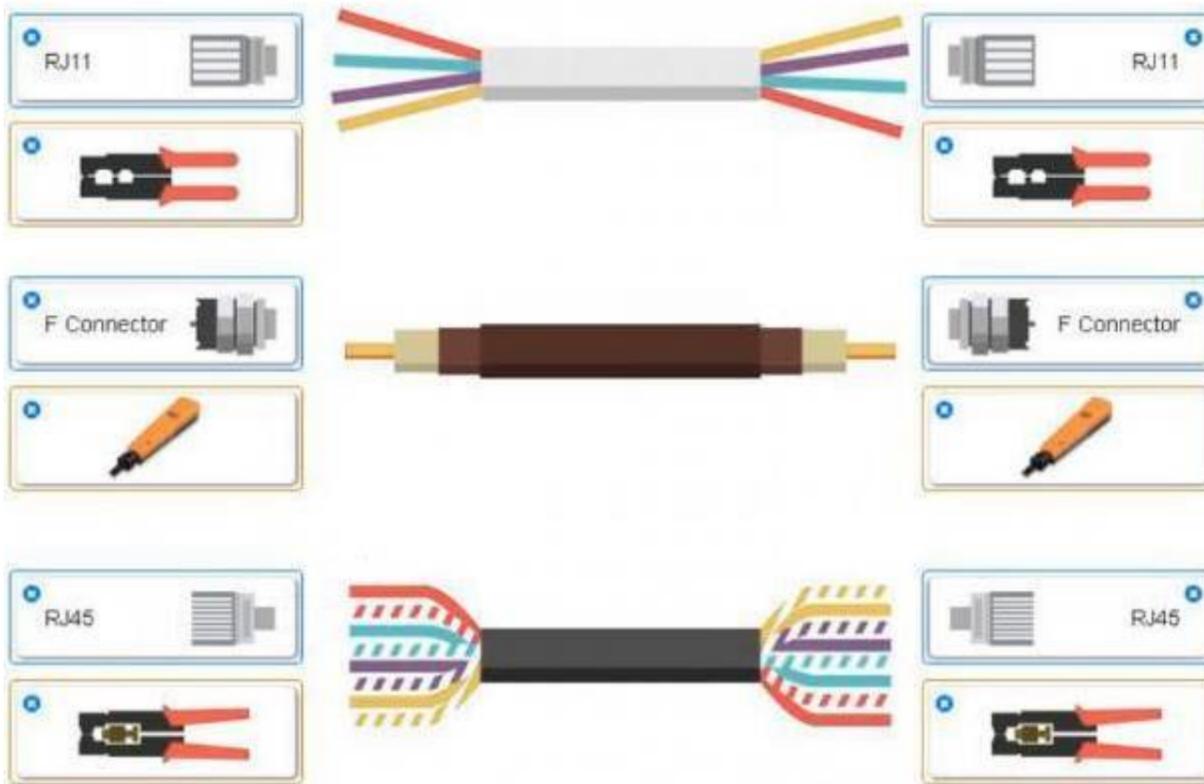
Diagram Description automatically generated with medium confidence
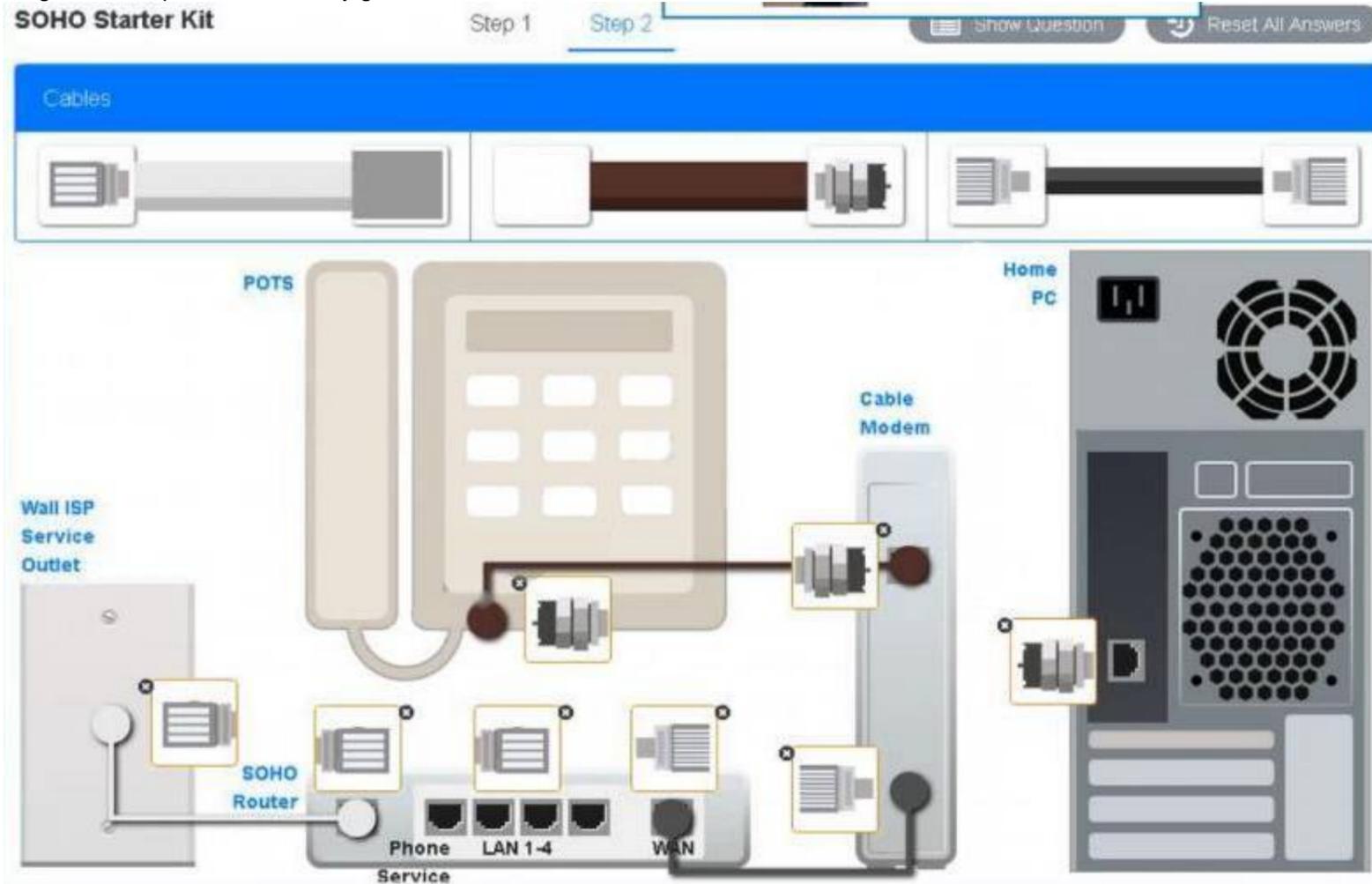
NEW QUESTION 27
Which of the following would MOST likely be used to obtain electronic images of a large number of printed documents?

A. NFC device
B. ADF/flatbed scanner
C. Camera/webcam
D. QR scanner

Answer: B

NEW QUESTION 29
Laura, a customer, has instructed you to configure her home office wireless access point.
She plans to use the wireless network for finances and has requested that the network be setup with the highest encryption possible.
Additionally, Laura knows that her neighbors have wireless networks and wants to ensure that her network is not being interfered with by the other networks.
She requests that the default settings be changed to the following.
Wireless Name: HomeWiFi
Shared Key: CompTIA

Router Password: Secure$1
Finally, Laura wants to ensure that only her laptop and Smartphone can connect to the network.
Laptop: IP Address 192.168.1.100
Hardware Address: 00:0A:BF:03:C4:54
Smartphone: IP Address 192.168.1.101
Hardware Address: 09:2C:D0:22:3F:11
INSTRUCTIONS
Configure Laura's wireless network using the network adapter window.
If at any time you would like to bring back the initial state of the situation, please click the Reset All button.

Laura's Wireless Configuration

WIRELESS SETUP   NETWORK FILTER   ADMINISTRATOR TOOLS

Wireless Network Settings

Enable Wireless: ☑

Wireless Network Name: HomeWiFi   (Also called the SSID)

Wireless Channel: 1 ▼

Disable SSID Broadcast: ☐

802.11g Only Mode: ☐

Wireless Security Mode

Security Mode: Enable WPA2 Wireless Security (enhanced) ▼

WPA2

Passphrase: CompTIA

Confirmed Passphrase: CompTIA
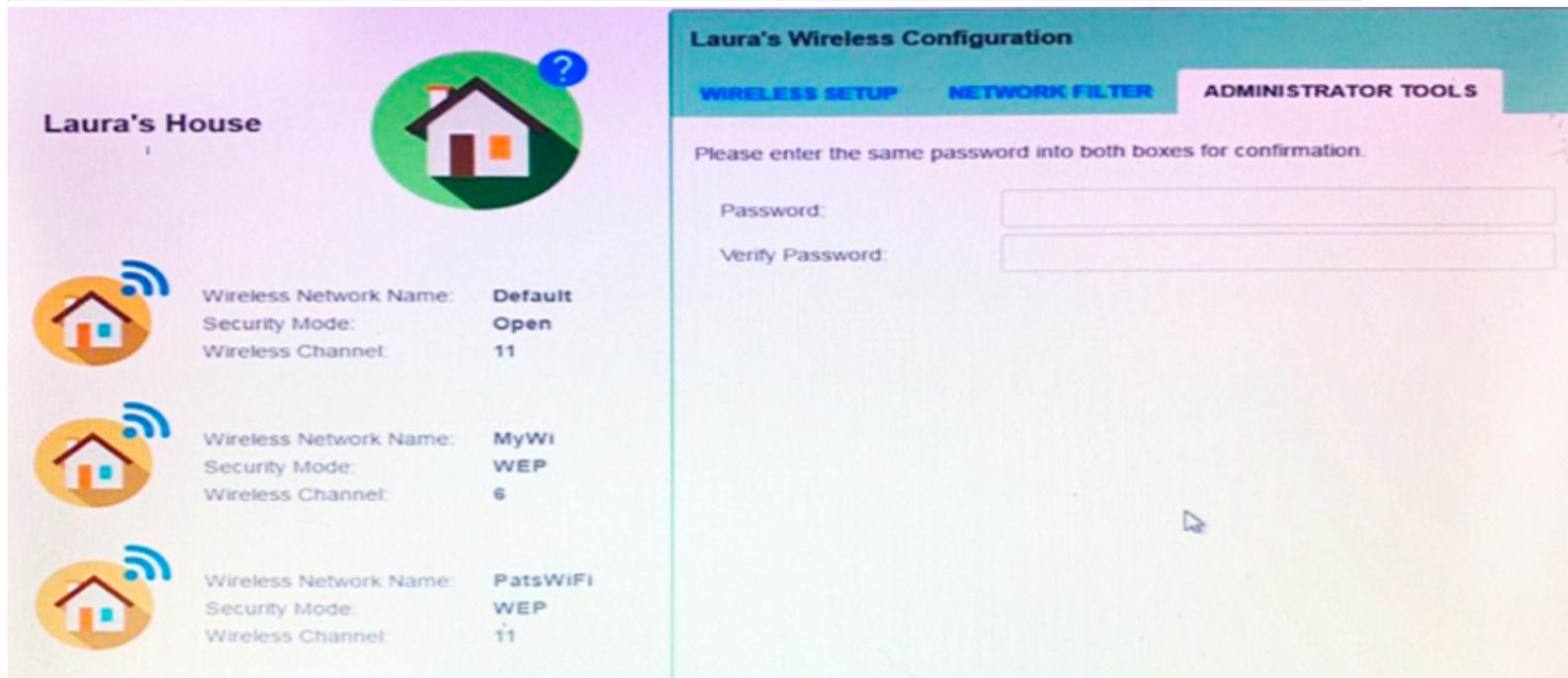
Laura's House

🏠 Wireless Network Name: Default
Security Mode: Open
Wireless Channel: 11

🏠 Wireless Network Name: MyWi
Security Mode: WEP
Wireless Channel: 6

🏠 Wireless Network Name: PatsWiFi
Security Mode: WEP
Wireless Channel: 11

Laura's Wireless Configuration

WIRELESS SETUP   NETWORK FILTER   **ADMINISTRATOR TOOLS**

Please enter the same password into both boxes for confirmation.

Password: _____

Verify Password: _____
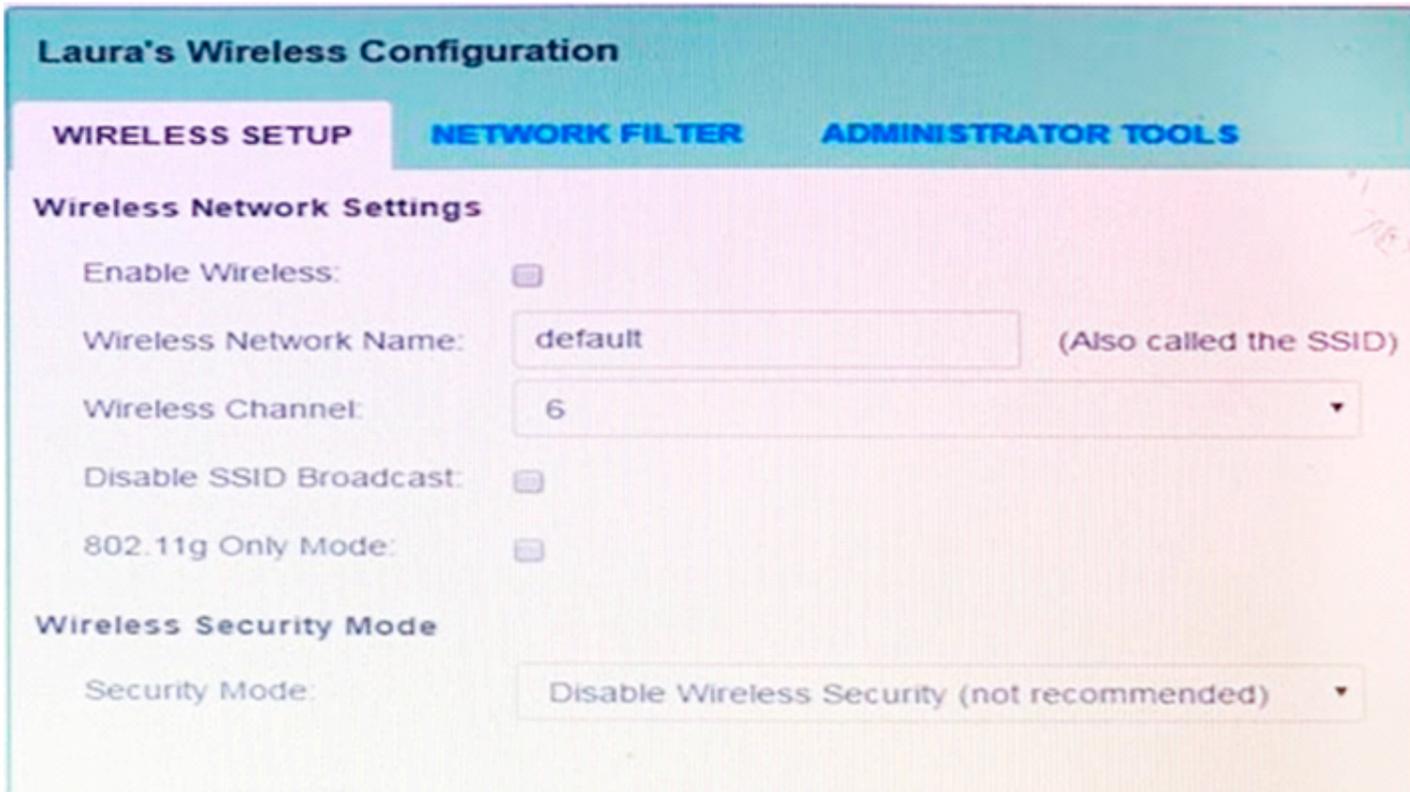
Laura's Wireless Configuration

WIRELESS SETUP   NETWORK FILTER   ADMINISTRATOR TOOLS

Wireless Network Settings

Enable Wireless: ☐

Wireless Network Name: default   (Also called the SSID)

Wireless Channel: 6 ▾

Disable SSID Broadcast: ☐

802.11g Only Mode: ☐

Wireless Security Mode

Security Mode: Disable Wireless Security (not recommended) ▾

Laura's Wireless Configuration

WIRELESS SETUP   **NETWORK FILTER**   ADMINISTRATOR TOOLS

Turn MAC Filtering ON: ☐

Allow the following MAC Addresses ▾

☐
☐
☐
☐
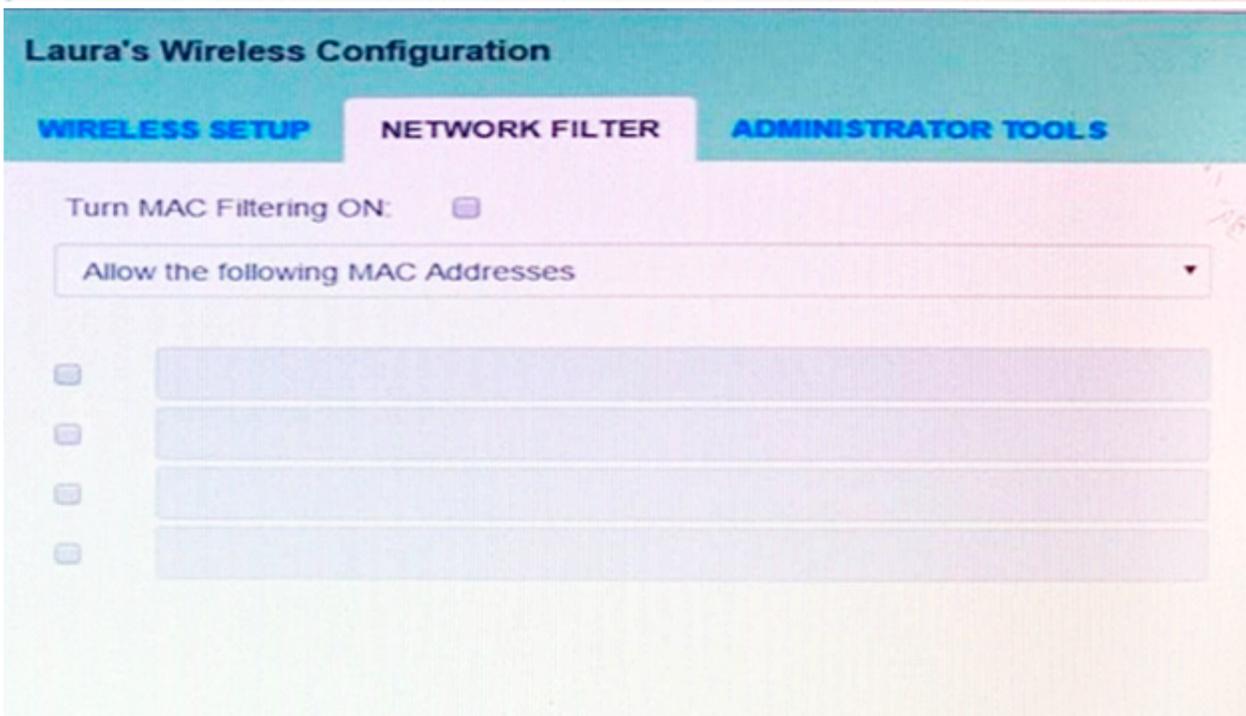
A. Mastered
B. Not Mastered

Answer: A

Explanation:

Wireless Configuration

Wireless Setup | Network Filter | Administrator Tools

WIRELESS NETWORK SETTINGS:

Enable Wireless: ☑

Wireless Network Name: `HomeWiFi` (Also called the SSID)

Wireless Channel: `1` ▼

Disable SSID Broadcast: ☐

802.11g Only Mode: ☐

WIRELESS SECURITY MODE:

Security Mode: `Enable WPA2 Wireless Security (enhanced)` ▼

WPA2:

Passphrase: `CompTIA`

Confirmed Passphrase: `CompTIA`

Save Settings

Wireless Configuration

Wireless Setup | **Network Filter** | Administrator Tools

☑ Turn MAC Filtering ON

`Allow the following MAC Addresses` ▼

#### MAC Address

☑ `00:0A:BF:03:C4:54`

☑ `09:2C:D0:22:3F:11`

☐ ` `

☐ ` `

Save Settings

Wireless Configuration

Wireless Setup	Network Filter	Administrator Tools

ADMIN PASSWORD

Please enter the same password into both boxes for confirmation.

Password: Secure$1

Verify Password: Secure$1

Save Settings

NEW QUESTION 34

A technician is upgrading a faulty motherboard that was ordered by an end user for an old, high-end desktop computer. However, the technician is unable to install the CPU into the socket. Upon closer inspection, the technician notices the pins on the CPU do not line up with the socket. Which of the following would be the best course of action for the technician to take NEXT?

A. Try to set as many pins as possible.
B. Install an adaptor to create a universal socket.
C. Verify the socket type and manufacturer.
D. Find a compatible motherboard for the CPU.

Answer: D

NEW QUESTION 37

A technician is tasked with installing additional RAM in a desktop computer. Which of the following types of RAM is MOST likely to be used?

A. SODIMM
B. DDR3
C. ECC
D. VRAM

Answer: B

NEW QUESTION 41

A remote user reports connectivity issues with the local internet provider. Even after a technician reboots the modem supplied by the ISP. the issue persists. Which of the following would BEST establish the connection in minimal time?

A. Radio frequency ISP
B. Neighbor's Wi-Fi
C. Mobile hotspot
D. Fiber optic

Answer: C

NEW QUESTION 44

A technician is setting up a device to use two-factor authentication. Which of the following meets this requirement?

A. Thumbprint/retinal scan
B. Password/password
C. Password/thumbprint
D. Password/PIN

Answer: C

NEW QUESTION 49

A laptop has been returned for a screen repair. The owner insists the screen is broken, but occasionally a faded image is able to be seen in very bright settings on

the desktop. Which of the following steps should the repair technician take FIRST?

A. Replace the graphics card.
B. Replace the screen, as the customer insists.
C. Recommend the usage of an external display instead.
D. Ensure the backlight is functioning as expected.

Answer: D

NEW QUESTION 54
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