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220-1001 Exam

CompTIA A+ Core 1 Exam

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Version: 10.0

Question: 1

SIMULATION

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: (Also called the SSID)

Wireless Channel:

Disable SSID Broadcast:

802.11g Only Mode:

Wireless Security Mode


Security Mode:



WPA2

Passphrase:

Confirmed Passphrase:

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

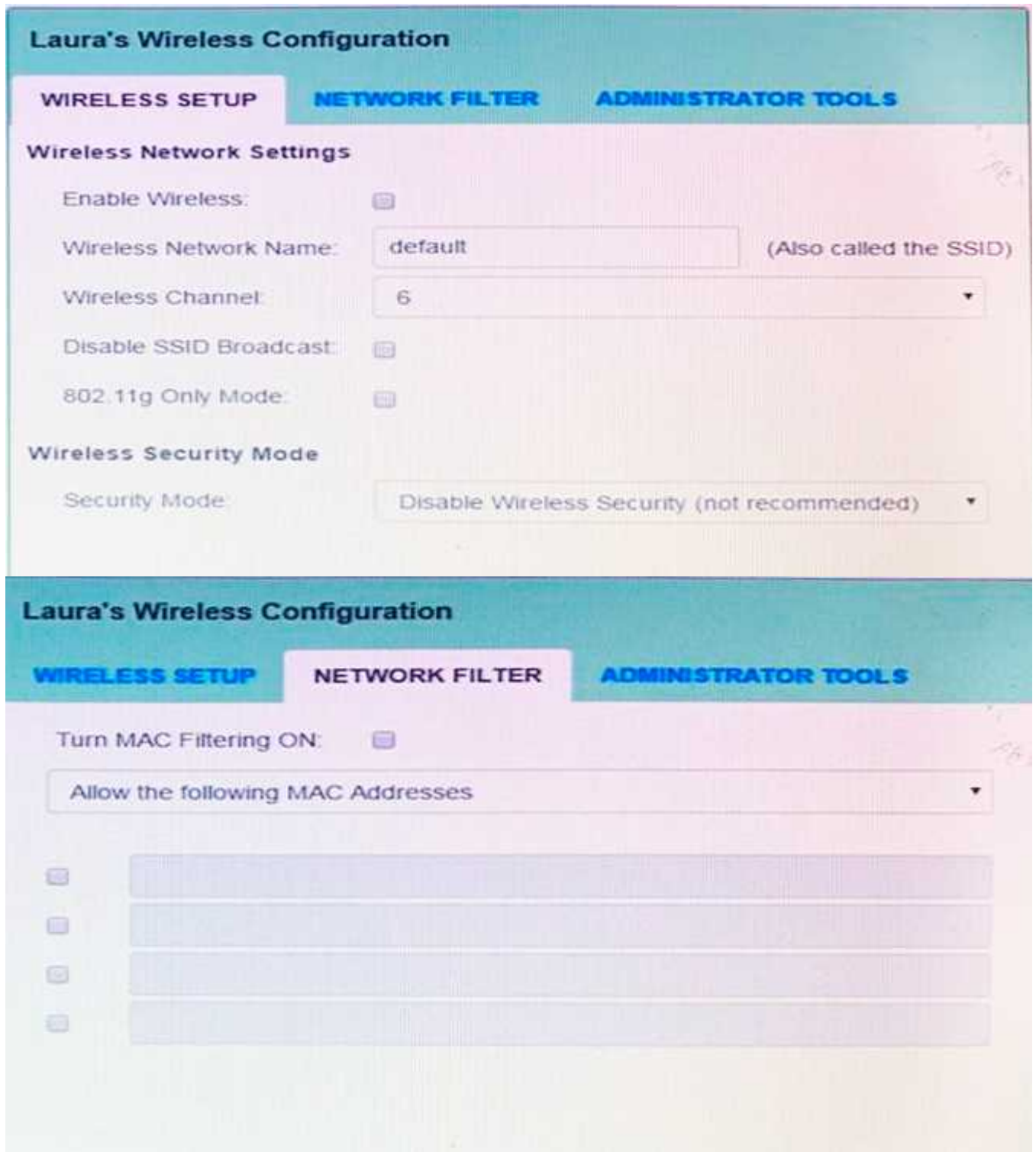
Laura's Wireless Configuration

WIRELESS SETUP **NETWORK FILTER** **ADMINISTRATOR TOOLS**

Please enter the same password into both boxes for confirmation.

Password:

Verify Password:



Answer: See the explanation below

Explanation:

📶
X

Wireless Configuration

Wireless Setup
Network Filter
Administrator Tools

WIRELESS NETWORK SETTINGS:

Enable Wireless:

Wireless Network Name: (Also called the SSID)

Wireless Channel:

Disable SSID Broadcast:

802.11g Only Mode:

WIRELESS SECURITY MODE:

Security Mode:

WPA2:

Passphrase:

Confirmed Passphrase:

Save Settings



The image shows a 'Wireless Configuration' window with three tabs: 'Wireless Setup', 'Network Filter', and 'Administrator Tools'. The 'Network Filter' tab is active. It contains a checked checkbox for 'Turn MAC Filtering ON' and a dropdown menu set to 'Allow the following MAC Addresses'. Below this is a table with the heading 'MAC Address' containing four rows, each with a checkbox and a text input field. The first two rows are checked and contain the MAC addresses '00:0A:BF:03:C4:54' and '09:2C:D0:22:3F:11'. The last two rows are unchecked and empty. A 'Save Settings' button is located at the bottom right.

MAC Address	
<input checked="" type="checkbox"/>	00:0A:BF:03:C4:54
<input checked="" type="checkbox"/>	09:2C:D0:22:3F:11
<input type="checkbox"/>	
<input type="checkbox"/>	

Save Settings



The screenshot shows a web interface titled "Wireless Configuration" with a wireless signal icon in the top left and a close button in the top right. Below the title are three tabs: "Wireless Setup", "Network Filter", and "Administrator Tools". The "Administrator Tools" tab is selected. Underneath the tabs is a yellow header bar with the text "ADMIN PASSWORD". Below this header, a message reads: "Please enter the same password into both boxes for confirmation." There are two input fields: "Password:" and "Verify Password:". Both fields contain the text "Secure\$1". At the bottom right of the form is a yellow button labeled "Save Settings".

Question: 2

DRAG DROP

Drag each mobile technology to the description of its use. Some answers will not be used.

Description	Wireless technology
Devices use haptic confirmation for sharing data wirelessly.	NFC
Devices are paired using a code for sharing data wirelessly.	Hotspot
Devices are placed in close proximity within line of sight for sharing data wirelessly.	IR
Devices are connected via a wire for sharing data or connectivity.	Tethering
	Bluetooth
	Cellular
	Lightning

Answer:

- 1 – IR
- 2 – Bluetooth
- 3 – NFC
- 4 – Tethering

Question: 3

DRAG DROP

A customer, Ann, has requested two custom PCs, one to be used for gaming and the other to be used as a virtualization workstation for her business.

The gaming PC should support the latest games and gaming peripherals.

The virtualization workstation should be able to host several production virtual machines as part of Ann’s home business.

INSTRUCTIONS

Use the tabs at the top to switch between the PCs.

Objects should be placed on the appropriate slot/display areas and can only be used once.

All slot/display areas should be filled.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



Answer:



Question: 4

SIMULATION

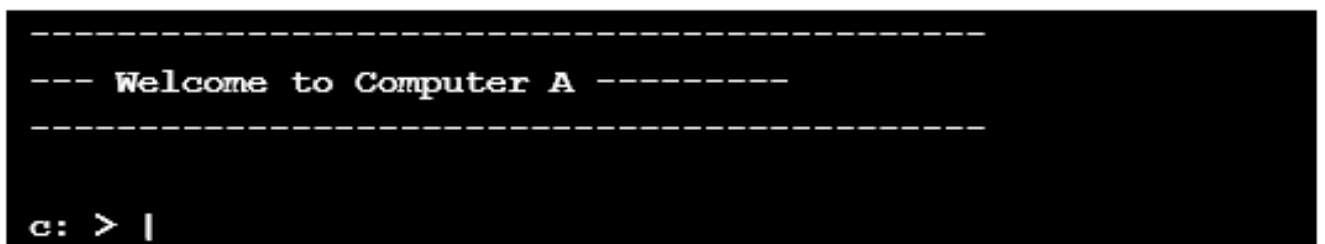
The network administrator has changed the IP address of ComputerA from 192.168.1.20 to 10.10.10.20 and now jane, a user, is unable to connect to file shares on ComputerA from ComputerB using the computer name.

INSTRUCTIONS

Using the available tools, resolve the connectivity issues.

After troubleshooting the issue, verify a successful connection.

If at any time you would like to bring back the initial state of the simulation? please click the Reset All button.



```
Reply from 10.10.10.10.30: bytes=32 time=13ms TTL=52
Reply from 10.10.10.10.30: bytes=32 time=13ms TTL=52

Ping statistics for 10.10.10.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 13ms, Maximum = 13ms, Average = 13ms

c:\> ?
    % Invalid input detected, query help for valid commands.
c:\> help

    ipconfig
    nslookup
    ping
    tracert

    help

c:\> nslookup
    % Invalid input detected, query help for valid commands.
c:\> nslookup
    % Invalid input detected, query help for valid commands.
c:\> help

    ipconfig
    nslookup
    ping
    tracert
    help

c:\>
```

```
-----  
--- Welcome to Computer B -----  
-----  
  
c:\>
```

```
-----  
  
c:\> ipconfig  
  
Windows IP Configuration  
  
Ethernet adapter Ethernet:  
  
    Connection-specific DNS Suffix . . . . . : local.net  
    IPv4 Address . . . . . : 10.10.10.30  
    Subnet Mask . . . . . : 255.255.255.0  
    Default Gateway . . . . . : 10.10.10.1  
  
c:\> ping 10.10.10.20  
  
Pinging 10.10.10.20 with 32 bytes of data:  
Reply from 10.10.10.20: bytes=32 time=13ms TTL=52  
Reply from 10.10.10.20: bytes=32 time=13ms TTL=52  
Reply from 10.10.10.20: bytes=32 time=13ms TTL=52  
Reply from 10.10.10.20: bytes=32 time=13ms TTL=52  
  
Ping statistics for 10.10.10.20:  
    Packets: Sent = 4, Received = 4, Loat = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
    Minimum = 13ms, Maximum = 13ms, Average = 13ms  
  
c:\> nslookup  
    % Invalid input detected, query help for valid commands.  
c:\>  
computerB
```

**Answer: See the
explanation below:**

Explanation:

We need to flush the DNS to have the new IP address assigned to the same computer name. Use the

ipconfig/flushdns command.

Question: 5

A technician is troubleshooting what appears to be a RAM issue on a PC. Which of the following symptoms would indicate if this is a RAM issue?

- A. POST code beeps
- B. Distended capacitors
- C. Continuous reboots
- D. Wrong BIOS time

Answer: C

Question: 6

A user accidentally spills liquid on a laptop. The user wants the device to be fixed and would like to know how much it will cost. Which of the following steps should the technician take NEXT to verify if the device is repairable before committing to a price? (Choose two.)

- A. Remove the case and organize the parts.
- B. Document the screw locations.
- C. Search the Internet for repair tutorials.
- D. Consult colleagues for advice.
- E. Place the device in rice for a few days.

Answer: A,B

Question: 7

Which of the following peripherals would a company use to take inventory quickly and update price tags for products? (Choose two.)

- A. Barcode scanner
- B. Label printer
- C. Magnetic reader
- D. KVM switch
- E. NFC device
- F. Flatted scanner

Answer: A,C

Question: 8

A user wants to print a large job on both the front and back sides of the paper.

Which of the following settings should the technician advise the user to change in the printer settings?

- A. Collate
- B. Orientation
- C. Duplex
- D. Transparency

Answer: C

Question: 9

A user is unable to access websites and has reported connectivity issues with pop-ups on the screen. A technician removes malware, and then is able to ping the router and access the websites. Which of the following NEXT steps should the technician perform in troubleshooting this issue? (Choose two.)

- A. Documents findings, actions, and outcomes.
- B. Reboot the device to verify the fix.
- C. Reconnect the device to the network.
- D. Verify the settings in IPConfig.
- E. Research the problem based on symptoms.
- F. Run a virus scan.

Answer: A,F

Question: 10

A user is no longer able to browse the Internet after returning from vacation. The user is able to log in and navigate to the local intranet, but not to any outside sites. A technician pings a well-known website by name but gets no reply. The technician then pings its IP address and gets a reply. Which of the following commands will MOST likely resolve the issue?

- A. ipconfig /all
- B. ipconfig /flushdns
- C. ipconfig /release
- D. ipconfig /setclassid

Answer: B

Question: 11

A technician is determining the specifications for a desktop computer that will be used at trade shows all over the world. The computer will have the maximum amount of RAM. The CPU, GPU, and storage will be typical of a business workstation.

Which of the following system parameters is the MOST important for the technician to consider when choosing a power supply?

- A. input voltage
- B. Efficiency rating
- C. 12V rail amperage
- D. Number of SATA connectors

Answer: A

Question: 12

Ann, an accountant, reports that after turning on her new laptop, she received a message stating her IP address is already in use on the system. She tried going back to her old desktop, which she now only uses for email, but received the same message. The technician checks the account and sees a comment that Ann requires a special network setup to connect to the banking software. Which of the following should the technician do to resolve the issue?

- A. Remove the static IP configuration from the desktop.
- B. Set the laptop configuration to DHCP to prevent conflicts.
- C. Replace the network card in the laptop, as it may be defective.
- D. Bridge the LAN connection between the laptop and the desktop.

Answer: B
