



# 220-1101<sup>Q&As</sup>

CompTIA A+ Certification Exam: Core 1

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### QUESTION 1

A technician is attempting to log in to a local company portal. When the technician types the URL into the address bar, the browser is unable to resolve and display the web page. The technician tries at another workstation, and the result is the same. Other web pages are not having any issues. Which of the following should the technician check first?

- A. DHCP reservations
- B. Static IP addresses
- C. Default gateway
- D. DNS entries

Correct Answer: D

Explanation: The technician is unable to access the company portal website, but other websites work fine. This suggests an issue with resolving the specific URL of the company portal, which is a function of DNS.

Here's why other options are not the most likely cause:

DHCP reservations: This is not relevant as the issue persists even when the technician tries a different workstation, indicating a problem beyond individual device configuration. Static IP addresses: Similar to DHCP reservations, static IPs are

not likely the cause as both affected workstations are experiencing the issue. Default gateway: While the default gateway is necessary for internet access, other websites are working, making it less likely to be the root cause.

References:

CompTIA A+ Certification Core 1 220-1101 Study Guide, Chapter 4: Networking, Section 4.2 Addressing and Naming

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### QUESTION 2

A technician is troubleshooting connectivity issues and needs to promiscuously route a copy of traffic to a separate machine for analysis. Which of the following physical tools would BEST accomplish this task?

- A. Toner probe
- B. Wi-Fi analyzer
- C. Network tap
- D. Loopback plug

Correct Answer: C

A network tap is a physical device that allows promiscuous monitoring of network traffic by creating a copy of the data packets for analysis. A toner probe is used to trace and identify cables. A Wi-Fi analyzer is used to measure wireless signal strength and interference. A loopback plug is used to test network ports or cables by sending and receiving signals from the same device.

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### QUESTION 3

A technician is troubleshooting a classroom projector that shuts down after fifteen minutes of use. Which of the following should the technician do to resolve the issue?

- A. Replace the video input cable.
- B. Change the bulb.
- C. Clean the air filter.
- D. Swap the power cord.

Correct Answer: C

Cleaning the air filter is the best action to resolve the issue of a projector that shuts down after fifteen minutes of use. A dirty air filter can cause overheating and trigger the projector's thermal protection mechanism. Replacing the video input cable, changing the bulb, or swapping the power cord are unlikely to solve the overheating issue

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### QUESTION 4

Which of the following devices would a punchdown tool most likely be utilized on?

- A. Cable modem
- B. Managed switch
- C. POE injector
- D. Patch panel

Correct Answer: D

Explanation: A patch panel is a device that connects multiple network cables in an organized and convenient way. A patch panel has a number of ports that correspond to different cables, such as Ethernet, coaxial, or fiber-optic cables. A patch panel can help simplify the wiring and management of a network, as well as provide flexibility and scalability for adding or changing network devices. A punchdown tool is a tool that can be used to terminate network cables into a patch panel. A punchdown tool has a blade that cuts and pushes the wires into the slots or contacts of the patch panel. A punchdown tool can help create a secure and reliable connection between the network cables and the patch panel.

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### QUESTION 5

Which of the following video cables can carry an audio signal?

- A. HDMI
- B. S-Video
- C. VGA
- D. DVI

Correct Answer: A



This is because HDMI (High-Definition Multimedia Interface) is a digital video cable that can also carry audio signals<sup>1</sup>. HDMI cables are commonly used to connect devices like Blu-ray players, game consoles, and streaming boxes to HDTVs and monitors. The other options are not capable of carrying audio signals. VGA (Video Graphics Array) is an analog video cable that only carries RGBHV signals<sup>2</sup>. S-Video (Super Video) is another analog video cable that carries separate luminance and chrominance signals<sup>1</sup>. DVI (Digital Visual Interface) is a digital video cable that can carry either analog or digital signals, but not audio<sup>1</sup>.

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