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While the Cisco 800-150 practice questions in PDF format are helpful for learning all the relevant answers to clear the 800-150 exam, we offer an additional tool to enhance your confidence and skills. Our online Cisco Practice Test engine allows you to learn and practice for the Supporting Cisco Devices for Field Technicians (800-150) exam simultaneously. This feature is designed to strengthen your knowledge and ensure you are fully prepared for success.

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## Cisco 800-150 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Cisco Software: This section of the exam measures the skills of a Network Engineer and discusses Cisco's software systems and licensing. It explains the difference between IOS install and bundle modes and gives an overview of different licensing models. Students learn how to manage Cisco software images, including backing up, transferring, and installing images via FTP, TFTP, or USB. It also covers how to handle configuration files to keep devices running properly and ensure smooth upgrades or replacements.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Common Service Tasks and Tools: This section of the exam measures the skills of a Technical Support Engineer and focuses on tasks commonly needed to manage Cisco devices. It explains how devices boot up, introduces common Cisco IOS commands, and identifies tools for file management. It shows how to confirm physical connections, remotely access devices, and connect to the console port. It also covers how to capture the status of a device, recover passwords, and replace devices by using proper tools. Students are also taught how to find serial numbers on Cisco equipment to assist with support and maintenance activities.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>Cisco Hardware Replacement: This section of the exam measures the skills of a Technical Support Engineer and teaches how to safely and correctly replace Cisco hardware. It explains safety procedures such as creating safe work zones and handling electrostatic discharge. Students learn the step-by-step processes to replace a wide range of Cisco devices, from switches and routers to firewalls, UCS servers, and collaboration endpoints. It also covers configuring Cisco NX-OS software, including understanding operating modes, boot procedures, and password recovery, and introduces Cisco collaboration endpoint solutions like IP phones and video systems.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>Cisco Infrastructure and Collaboration Infrastructure: This section of the exam measures the skills of a Collaboration Engineer and focuses on Cisco infrastructure devices, endpoints, and collaboration technologies. It introduces network devices, collaboration endpoints like IP phones and video systems, and explains on-premises collaboration deployments using tools like Cisco Unified Communications Manager. It also covers how video systems integrate into collaboration environments and highlights Cisco's cloud services for enterprise communication, including Webex Meetings, Webex Teams, and hosted collaboration solutions.</li></ul>
Topic 5	<ul style="list-style-type: none"><li>Networking Foundations: This section of the exam measures the skills of a Network Engineer and covers the basic building blocks of computer networking. It explains different types of networks like local area networks and wireless networks, and introduces lightweight wireless LANs. It describes the layers of communication models like the OSI model and TCP</li><li>IP stack, and explains how data moves across networks. It also discusses the physical cabling used in networks, such as Ethernet and fiber optics. Students will learn about network switching, IP addressing, subnetting, and routing at Layer 3. The section also introduces Cisco's campus network devices, data center switches, UCS servers, and collaboration devices, describing their roles and functions in the network.</li></ul>

## Cisco Supporting Cisco Devices for Field Technicians Sample Questions (Q63-Q68):

### NEW QUESTION # 63

Which two network design strategies in Cisco data center solutions improve fault tolerance and high availability? (Choose two.)

- A. Redundant supervisor engines and fabric modules
- B. High-density 10/40/100 gigabit Ethernet connectivity
- C. Virtual port channels for link aggregation
- D. SAN extension over IP networks (FCIP)
- E. Access layer switch deployment

**Answer: A,C**

Explanation:

To ensure high availability and fault tolerance in Cisco data center designs, two effective strategies include:

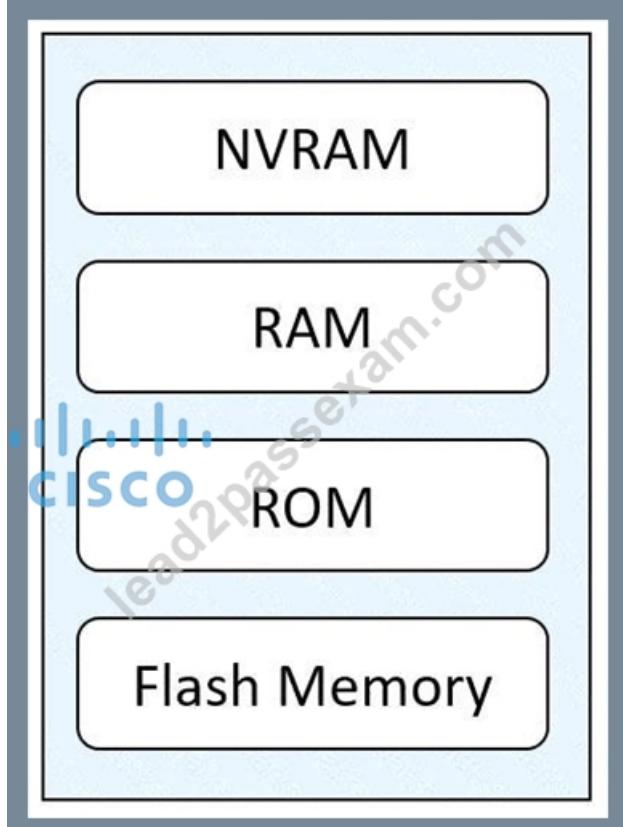
\* Redundant Supervisor Engines and Fabric Modules: These provide failover capabilities, so if one supervisor or fabric module fails, another can take over, maintaining network operations without interruption.

\* Virtual Port Channels (vPCs): vPCs allow connections to be made to two physical switches while appearing as one logical switch. This prevents loops and adds redundancy and load balancing, which is critical in high-availability environments.

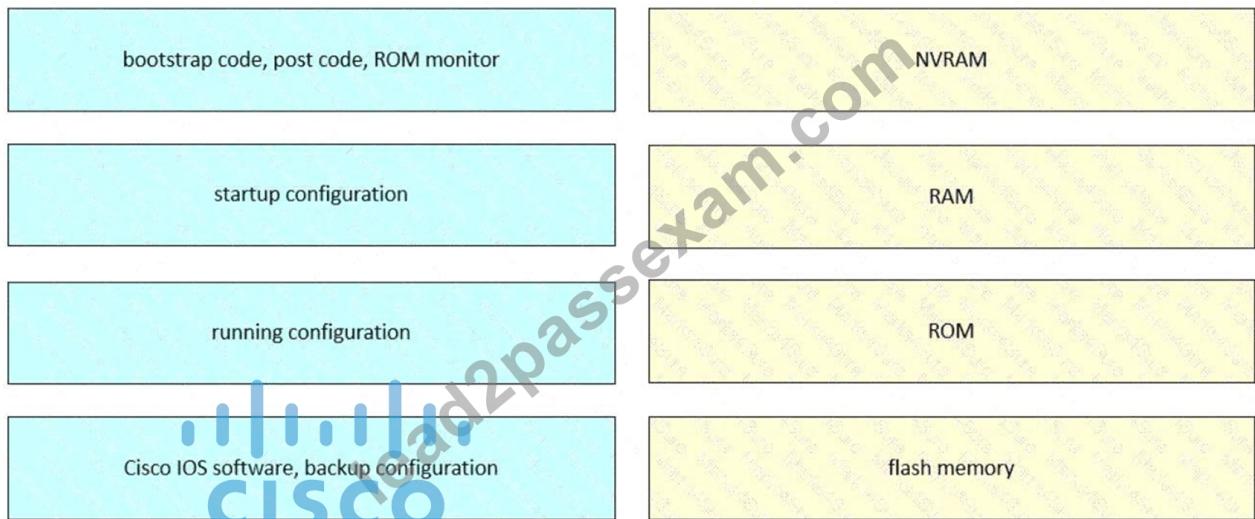
Other options may enhance performance (e.g., high-density Ethernet) or extend functionality (e.g., FCIP), but do not directly contribute to fault tolerance and high availability in the same way.

Reference: Supporting Cisco Devices for Field Technicians (FLDTEC) - Cisco Equipment and Related Hardware

#### NEW QUESTION # 64

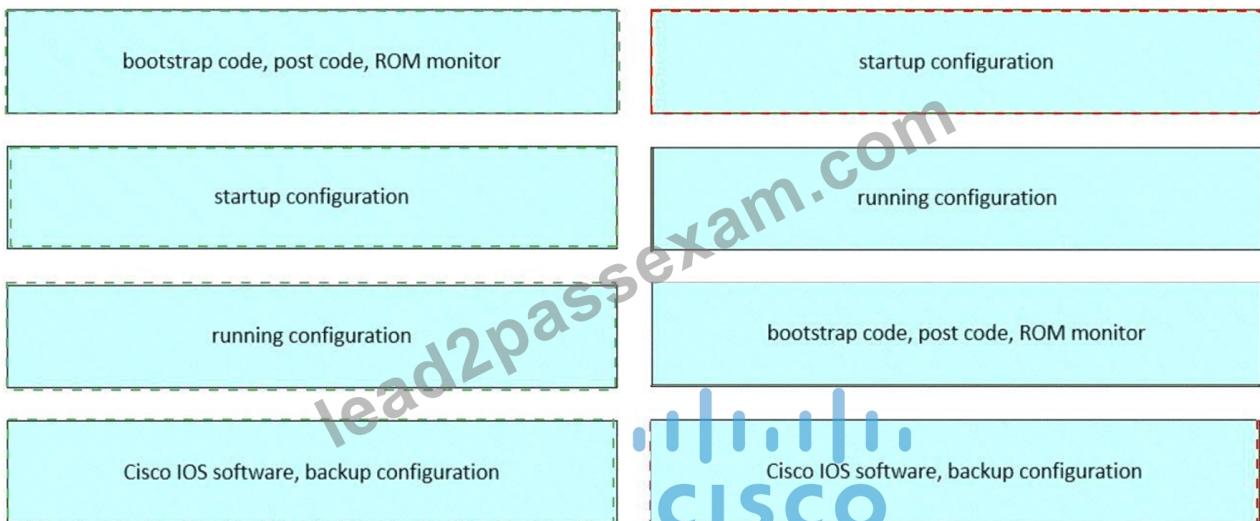


Refer to the exhibit. Drag and drop the functions from the left onto the corresponding internal memory components on the right.



**Answer:**

Explanation:



Explanation:

NVRAM # Startup configuration

RAM # Running configuration

ROM # Bootstrap code, POST code, ROM monitor

Flash memory # Cisco IOS software, backup configuration

Each memory type in a Cisco device serves a specific function in the boot process and runtime operation.

NVRAM retains configuration across reboots, RAM is volatile and holds active configs, ROM handles initial boot tasks, and flash stores the operating system.

This content is covered thoroughly in "Cisco Equipment and Related Hardware" in the FLDTEC curriculum. Here's the breakdown:

ROM (Read-Only Memory)

\* Stores bootstrap code, POST (Power-On Self-Test), and ROM Monitor.

\* These are essential for the device's initial power-on operations and recovery modes.

NVRAM (Non-Volatile RAM)

\* Holds the startup configuration file, which is loaded during the boot process.

\* Content remains intact after a reboot or power cycle.

RAM (Random Access Memory)

\* Stores the running configuration and current operational state of the router or switch.

\* Also used for routing tables, ARP cache, and packet buffers.

\* Data is lost when the device is powered off or rebooted.

Flash Memory

\* Contains the Cisco IOS image, system files, and can store backup configurations.

\* It is a non-volatile storage, so it retains data after reboots.

## NEW QUESTION # 65

Which action must be taken before powering down the endpoint during the replacement process of a Cisco collaboration device?

- A. Install the new hardware.
- **B. Back up the configuration.**
- C. Reset the device to factory settings.
- D. Activate the new device.

**Answer: B**

Explanation:

Before shutting down any Cisco collaboration device (such as an IP phone, video endpoint, or codec) for replacement, it is essential to back up the configuration. This ensures that all custom settings, including user profiles, network configurations, and service settings, are preserved and can be quickly restored on the replacement device.

This backup minimizes downtime and avoids manual reconfiguration errors during the swap process.

Reference: Supporting Cisco Devices for Field Technicians (FLDTEC) - Maintenance and RMA Procedures

## NEW QUESTION # 66

Which Cisco switch series is designed to handle the combined responsibilities of core and distribution layers in a converged

architecture?

- A. Catalyst 1300 Series
- B. Meraki MS400 Series
- C. Catalyst 9000 Series
- D. Catalyst 6500 E-Series

**Answer: C**

Explanation:

The Cisco Catalyst 9000 Series is engineered to address the evolving needs of modern enterprise networks by integrating the functionalities of both the core and distribution layers into a unified, converged architecture.

This series offers advanced capabilities such as high-speed data forwarding, enhanced security features, and support for automation and programmability, making it suitable for scalable and efficient network designs.

The Catalyst 9000 Series includes models like the Catalyst 9500 and 9600, which are optimized for core and distribution roles, providing high throughput and reliability. These switches support advanced features like Software-Defined Access (SD-Access) and are designed to meet the demands of cloud-scale and security-focused environments.

In contrast, the Meraki MS400 Series (Option A) is tailored for cloud-managed aggregation and lacks the comprehensive feature set required for core functionalities. The Catalyst 6500 E-Series (Option B), while historically significant, is considered a legacy platform and may not support the latest advancements in network convergence. The Catalyst 1300 Series (Option C) is designed for small to medium-sized businesses and is not intended for core or distribution layer deployments.

Reference: Supporting Cisco Devices for Field Technicians (FLDTEC) - Cisco Equipment and Related Hardware

#### NEW QUESTION # 67

Which cable type should be used when installing replacement hardware and connecting two devices of the same type, like two DTEs or two DCEs?

- A. USB Type A to Type B cable
- B. Rolled RJ-45 to RJ-45 console cable
- C. RJ-45 Ethernet straight-through patch cable
- D. RJ-45 Ethernet crossover patch cable

**Answer: D**

Explanation:

When connecting two devices of the same type (e.g., two routers, two switches, or two DTEs), a crossover cable is required. This cable swaps the transmit and receive pairs to allow direct communication between devices without the need for an intermediate device like a switch.

\* Straight-through cables are used to connect different types of devices (e.g., PC to switch).

\* Rolled cables are used for console access.

\* USB Type A to B cables are typically used for peripheral device connections, not networking.

Reference: Supporting Cisco Devices for Field Technicians (FLDTEC) - Cisco Equipment and Related Hardware

#### NEW QUESTION # 68

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