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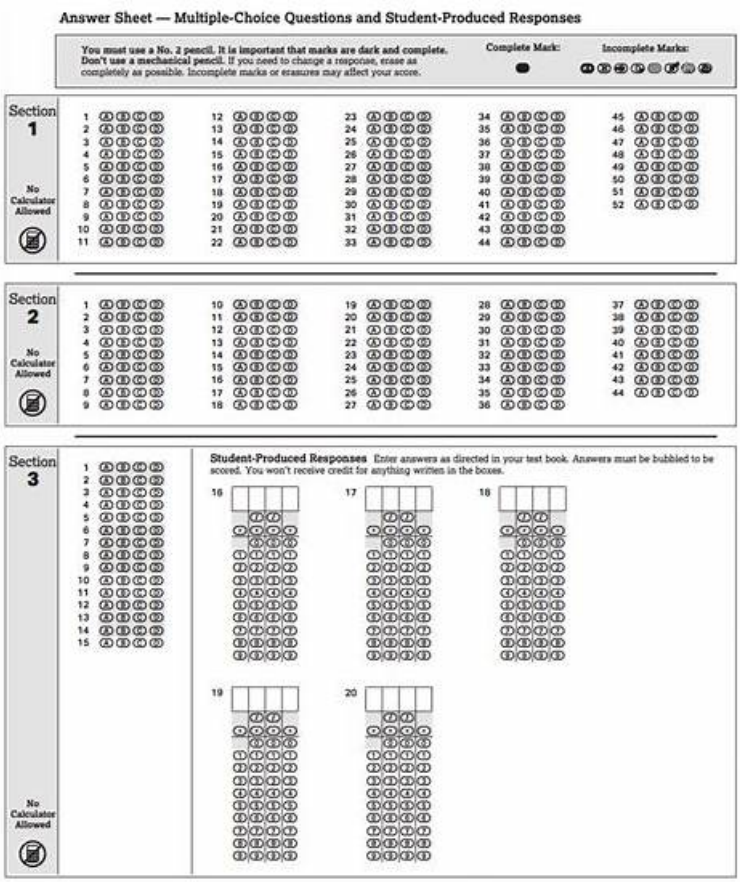

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Cisco 800-150 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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.
Topic 2	• 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.

Topic 3	• 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 • 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.
Topic 4	• 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.
Topic 5	• Cisco UCS and Data Center Architecture: This section of the exam measures the skills of a Data Center Engineer and introduces Cisco's UCS and data center solutions. It explains the devices found in a data center, including switches, UCS servers, and director switches, and describes different server deployment models. Students will also learn about virtualization components like virtual machines, hypervisors, cloud computing concepts, and deployment models. The section covers how Cisco UCS devices fit into campus networks, edge locations, and data centers, and explains the key components and connections used in UCS architecture.

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Cisco Supporting Cisco Devices for Field Technicians Sample Questions (Q74-Q79):

NEW QUESTION # 74
Which two actions ensure a smooth transition to the new hardware when replacing a Cisco UCS C-Series Rack-Mount Server? (Choose two.)

- A. Temporarily disable all firewalls during the replacement process.
- B. Back up the server configuration using Cisco Integrated Management Controller.
- C. Reconfigure the DHCP server to assign a new IP address to the replacement server.
- D. Update the firmware on the fabric interconnects.
- E. Decommission the server if it is integrated in a Cisco UCS domain.

Answer: B,E

Explanation:
To ensure asmooth replacementof a Cisco UCS C-Series Rack-Mount Server, two critical actions are:
* Back up the server configuration using the Cisco Integrated Management Controller (CIMC):
This preserves all configuration data such as BIOS settings, RAID setup, and network configuration.
After replacing the hardware, this configuration can be restored to minimize setup time.

* Decommission the server if it is integrated in a Cisco UCS domain: Before physically replacing the server, decommissioning it ensures the UCS Manager properly releases it from the inventory, preventing configuration conflicts or orphaned profiles.
Other options, like reconfiguring DHCP or disabling firewalls, are not required procedures for a UCS C- Series hardware swap.
Reference:Supporting Cisco Devices for Field Technicians (FLDTEC) - Maintenance and RMA Procedures

NEW QUESTION # 75
What is the purpose of the packages.conf file in Install mode on Cisco IOS XE Software supported switches?

- A. It determines which software packages need to be loaded and in what order during boot up.
- B. It is a subdirectory in flash memory where individual software packages are stored.
- C. It is used to extract the bin file during the installation process.
- D. It contains the entire bundled software image in a single file.

Answer: A

Explanation:
InInstall mode, thepackages.conffile plays a crucial role in the boot process of Cisco IOS XE Software. It specifies the list of software packages to be loaded and the sequence in which they should be initialized during system startup. This file ensures that all necessary components are correctly loaded, providing a modular and flexible approach to software management.
Contrary to the other options:
* Thepackages.conffile does not extract the bin file; it references already extracted packages.
* It does not contain the entire bundled image; that's characteristic of Bundle mode.
* While it resides in the flash memory, it is not a subdirectory but a configuration file.
Reference:Supporting Cisco Devices for Field Technicians (FLDTEC) - Cisco IOS Software Basics

NEW QUESTION # 76
What is a feature of Cisco Meraki switches that simplifies the replacement process?

- A. Automatic hardware detection
- B. Built-in configuration wizard
- C. Cloud-based management
- D. Offline configuration backup

Answer: C

Explanation:
Cloud-based managementis a core feature of Cisco Merakiswitches and significantly simplifies the device replacement process.
When a failed switch is replaced:
* The new hardware can be claimed in the Meraki dashboard.
* The previously assigned configuration is automatically applied to the replacement device.
* This eliminates the need for local reconfiguration and ensures continuity with minimal manual effort.
This centralized approach ensures that configurations are stored securely and consistently applied across devices.
Reference:Supporting Cisco Devices for Field Technicians (FLDTEC) - Cisco Equipment and Related Hardware

NEW QUESTION # 77
Which operating system powers the Cisco Nexus series of switches and is optimized formodern data center deployments?

- A. IOS XE
- B. IOS XR
- C. IOS
- D. NX-OS

Answer: D

Explanation:
Cisco NX-OSis the operating system specifically developed forCisco Nexus series switches, which are widely used in modern data centers. NX-OS is optimized forscalability, high availability, and virtualization features.
It differs from IOS and IOS XE (used in traditional routers and switches) and IOS XR (used in carrier-grade platforms). NX-OS

includes advanced features such as Virtual Port Channels (vPC), FabricPath, and integrated Layer 2/3 capabilities tailored for data center networks.
Reference:Supporting Cisco Devices for Field Technicians (FLDTEC) - Cisco IOS Software Basics

NEW QUESTION # 78
Which management option is best suited for standalone Cisco Secure Firewall deployments?

- A. Cisco Secure Firewall Device Manager
- B. Cisco Security Manager
- C. Cisco Defense Orchestrator
- D. Cisco Secure Firewall Management Center

Answer: A

Explanation:
For standalone Cisco Secure Firewall deployments, theCisco Secure Firewall Device Manager (FDM)is the most appropriate management option. FDM is a browser-based, on-box management tool that allows administrators to configure and manage a single firewall device without the need for external management infrastructure. It provides an intuitive interface for basic configurations, policy management, and monitoring.
In contrast:
* Cisco Secure Firewall Management Center (FMC)is designed for centralized management of multiple firewall devices.
* Cisco Defense Orchestrator (CDO)is a cloud-based solution for managing security policies across various devices.
* Cisco Security Manageris an older platform primarily used for managing ASA devices.
Reference:Supporting Cisco Devices for Field Technicians (FLDTEC) - Cisco Equipment and Related Hardware

NEW QUESTION # 79
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