

Cisco

Exam Questions 800-150

Supporting Cisco Devices for Field Technicians



NEW QUESTION 1

DRAG DROP

Drag and drop the tools from the left onto the corresponding primary functions on the right.

flash card reader	copying IOS images to and from a router or switch
USB thumb drive	testing router or switch Ethernet port functionality
RJ-45 Ethernet loopback connector	connecting two RJ-45 cables to extend length
RJ-45 coupler	copying IOS images and configuration files to/from a PC/laptop or TFTP server

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

In the FLDTEC curriculum, technicians are trained on physical tools essential for support in the field.

These tools and their uses are explained as follows:

Flash Card Reader: Used with removable CompactFlash cards commonly found in older Cisco routers and switches. These cards hold the IOS image or config files.

USB Thumb Drive: Used for transferring IOS files or configs directly to and from Cisco devices that support USB storage. Convenient for portable backups.

RJ-45 Ethernet Loopback Connector: A diagnostic tool that loops the signal back into the port. Helps verify port functionality by simulating a live Ethernet connection.

RJ-45 Coupler: Allows two patch cables to be connected, effectively extending the reach of a cable ?? useful in setups where a single cable is not long enough.

NEW QUESTION 2

Why is it important to verify the update status after the initial upgrade process when upgrading firmware on a Cisco UCS C-Series server using the Host UpgradeUtility?

- A. To generate a report for compliance documentation
- B. To confirm that all intended components were successfully updated
- C. To ensure compatibility with third-party applications
- D. To activate the new licenses associated with the firmware

Answer: B

NEW QUESTION 3

Which step must be taken to minimize data traffic impact when replacing a fabric interconnect?

- A. Use the fabric evacuation procedure on the subordinate fabric interconnect.
- B. Disable highavailability before replacement.
- C. Remove all cable connections at once.
- D. Power down both fabric interconnects simultaneously.

Answer: A

NEW QUESTION 4

Which Layer 2 technology extends to access layer devices, allowing individual switch ports to be assigned for network and traffic management in an enterprise network?

- A. BGP
- B. VLANs
- C. OSPF

D. MPLS

Answer: B

NEW QUESTION 5

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

NEW QUESTION 6

Which protocol should be analyzed when troubleshooting call quality between IP phones?

- A. SIP
- B. SCCP
- C. H.323
- D. RTP

Answer: D

NEW QUESTION 7

Which command prompt commands provide the most thorough network diagnostic information when troubleshooting connectivity issues between a Windows PC and a Cisco device?

- A. ipconfig /all ping
- B. netstat -anetsh wlan show interfaces ipconfig /releaseipconfig /renew
- C. ping tracert netstat
- D. nslookup arp -a route print

Answer: A

NEW QUESTION 8

When should a crossover UTP cable be used instead of a straight-through cable when connecting network devices?

- A. To connect electrically like devices
- B. To connect a PC to a wireless access point
- C. To connect a switch to a router
- D. To connect electrically unlike devices

Answer: A

NEW QUESTION 9

Which command provides a concise look at important switch port characteristics, such as port ID, VLAN, duplex, speed, and media type?

- A. show cdp neighbors
- B. show interface status
- C. show controllers
- D. show ipinterface brief

Answer: B

NEW QUESTION 10

Why is the midplane-free design of the X9508 Modular Chassis significant in the context of Cisco UCS X-Series compute node replacement?

- A. It enables hot-swapping of compute nodes without powering down the chassis.
- B. It enables direct front-to-rear airflow, improving cooling efficiency during node replacement.
- C. It allows for easier future upgrades to faster connectivity standards.
- D. It reduces the overall power consumption of the chassis.

Answer: B

NEW QUESTION 10

What is the recommended resistance value range to ensure proper grounding when using an antistatic strap to perform work on electrical components?

- A. Between 0.1 and 1 megaohms
- B. Between 1 and 10 megaohms
- C. Between 10 and 100 megaohms
- D. Between 100 and 1000 megaohms

Answer: B

NEW QUESTION 11

Which Cisco UCS management platform is specifically designed for managing standalone Cisco UCS C-Series rack servers and E-Series servers?

- A. Cisco Integrated Management Controller
- B. Cisco UCS Central
- C. Cisco UCS Manager
- D. Cisco Intersight

Answer: A

NEW QUESTION 16

What are the steps to mount a Cisco device in a rack?

- A. Mount in rack.Install mounting bracket
- B. Ground the device.
- C. Install mounting bracket
- D. Mount in rack.Ground the device.
- E. Ground the devic
- F. Install mounting brackets.Mount in rack.
- G. Install mounting bracket
- H. Ground the devic
- I. Mount in rack.

Answer: B

NEW QUESTION 17

DRAG DROP

Refer to the exhibit. Drag and drop the names of the field-replaceable units from the left onto the corresponding letters on the image of the Cisco Catalyst 9400 modular switch.

MISSING

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

MISSING

NEW QUESTION 19

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

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

Answer: BD

NEW QUESTION 20

What is the primary advantage of installing and deploying Cisco UCS E-Series servers in branch office routers?

- A. To serve as a backup storage system for the main data center
- B. To enhance the wireless capabilities of the router
- C. To provide local compute power for edge applications
- D. To increase the packet forwarding capacity of the router

Answer: C

NEW QUESTION 23

Which component serves as the central management and communication core and provides a single point of management via Cisco UCS Manager in a Cisco UCS environment?

- A. Nexus 9000 Series Switch
- B. UCS E-Series server in ISR platforms
- C. MDS 9000 Series SAN Switch
- D. UCS Fabric Interconnect

Answer: D

NEW QUESTION 27

What is the primary role of a switch in a local area network?

- A. to route data packetsbetween different networks
- B. to encrypt data transmissions for security

- C. to divide the network into separate collision domains
- D. to provide wireless connectivity to LAN devices

Answer: C

NEW QUESTION 32

DRAG DROP

Drag and drop the functions from the left onto the corresponding Cisco data center technologies on the right.

integrates multiple network layers into a single infrastructure	Unified Fabric
provides link aggregation and redundancy between switches	Fibre Channel over Ethernet (FCoE)
enables software-defined networking in data centers	virtual port channels (vPCs)
combines storage and network traffic on a single network	Application Centric Infrastructure (ACI)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

integrates multiple network layers into a single infrastructure	integrates multiple network layers into a single infrastructure
provides link aggregation and redundancy between switches	combines storage and network traffic on a single network
enables software-defined networking in data centers	provides link aggregation and redundancy between switches
combines storage and network traffic on a single network	enables software-defined networking in data centers

NEW QUESTION 36

DRAG DROP

Drag and drop the safety actions that must be taken prior to beginning work into order on the right for working with electrical equipment.

Verify with multimeter.	step 1
Disconnect power.	step 2
Connect ESD strap.	step 3
Locate emergency power-off switch.	step 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Verify with multimeter.	Locate emergency power-off switch.
Disconnect power.	Disconnect power.
Connect ESD strap.	Verify with multimeter.
Locate emergency power-off switch.	Connect ESD strap.

NEW QUESTION 40

DRAG DROP

Drag and drop the steps of the boot sequence process of a Cisco device into order on the right.

finds and loads the Cisco IOS software	step 1
runs the configures Cisco IOS software	step 2
loads and runs bootstrap code (firmware)	step 3
performs power on self-test (POST)	step 4
finds and loads the configuration	step 5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1 ?? Performs power-on self-test (POST)
Step 2 ?? Loads and runs bootstrap code (firmware)
Step 3 ?? Finds and loads the Cisco IOS software
Step 4 ?? Finds and loads the configuration
Step 5 ?? Runs the configured Cisco IOS software
This startup process is thoroughly described in the FLDTEC course and aligns with Cisco's standard IOS boot process:
POST (Power-On Self-Test): Verifies hardware functionality including memory and interfaces. This occurs immediately upon powering the device.
Bootstrap Code Execution: Bootstrap is a small program in ROM that initiates the boot process.
Cisco IOS Loading: Bootstrap locates and loads the IOS from flash memory or another source (e.g., TFTP).
Configuration Loading: The router then loads the startup-config from NVRAM (if available).
IOS Execution: Once the configuration is loaded, the device enters operational mode and executes the IOS with the loaded config.
This sequence is vital for field technicians to understand for troubleshooting boot failures or performing device recoveries.

NEW QUESTION 44

Which hardware platform is Cisco UnifiedCommunications Manager typically deployed on?

- A. Cisco ASR routers
- B. Cisco Catalyst switches
- C. Cisco ISR routers
- D. Cisco UCS C-Series servers

Answer: D

NEW QUESTION 46

What is the primary purpose of changing the configuration register when performing password recovery?

- A. To erase the entire configuration
- B. To ignore the startup configuration
- C. To unlock all user accounts
- D. To enable advanced debugging features

Answer: B

NEW QUESTION 47

Which layer of the OSI model provides error detection and defines how access to the media is controlled?

- A. Presentation layer
- B. Physical layer
- C. Network layer
- D. Data link layer

Answer: D

NEW QUESTION 51

What is the main advantage of using Bundle mode when installing Cisco IOS XE Software on a switch?

- A. Automatic creation of the packages.conf file
- B. Simplicity, with no need to manage individual packages
- C. Faster boot times compared to Install mode
- D. Ability to install and upgrade packages independently

Answer: B

NEW QUESTION 54

DRAG DROP

Drag and drop the Cisco NX-OS components from the left onto the corresponding descriptions on the right.

Kickstart Image	specialized bootloader that initializes the hardware
System Image	contains the full NX-OS kernel and operating system
Global configuration command mode	allows for displaying device status and configuration information
EXEC command mode	provides access to the broadest range of commands that affect the device as a whole

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Kickstart Image	Kickstart Image
System Image	System Image
Global configuration command mode	EXEC command mode
EXEC command mode	Global configuration command mode

NEW QUESTION 55

DRAG DROP

Drag and drop the steps from the left into order to capture the status of a Cisco device.

Access the CLI.	step 1
Create a file to capture router status text.	step 2
Connect to the console port.	step 3
Check the router status.	step 4
Save the output file.	step 5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Access the CLI.	Connect to the console port.
Create a file to capture router status text.	Access the CLI.
Connect to the console port.	Create a file to capture router status text.
Check the router status.	Check the router status.
Save the output file.	Save the output file.

NEW QUESTION 60
Which two devices are most commonly used in a WAN environment? (Choose two.)

- A. Hubs
- B. Optical fiber converters
- C. Modems
- D. Network interface cards
- E. Wireless access points

Answer: BC

Explanation:
In the context of Wide Area Networks (WANs), the key objective is to connect geographically separated networks using service provider infrastructure. The FLDTEC course emphasizes that WAN environments typically involve devices that can handle different physical transmission mediums and protocols.
Modems:

- Modulate and demodulate analog signals to digital signals.
- Used in WAN environments to connect over analog lines like DSL or leased lines.
- Essential for interfacing between digital routers and analog telephone networks.

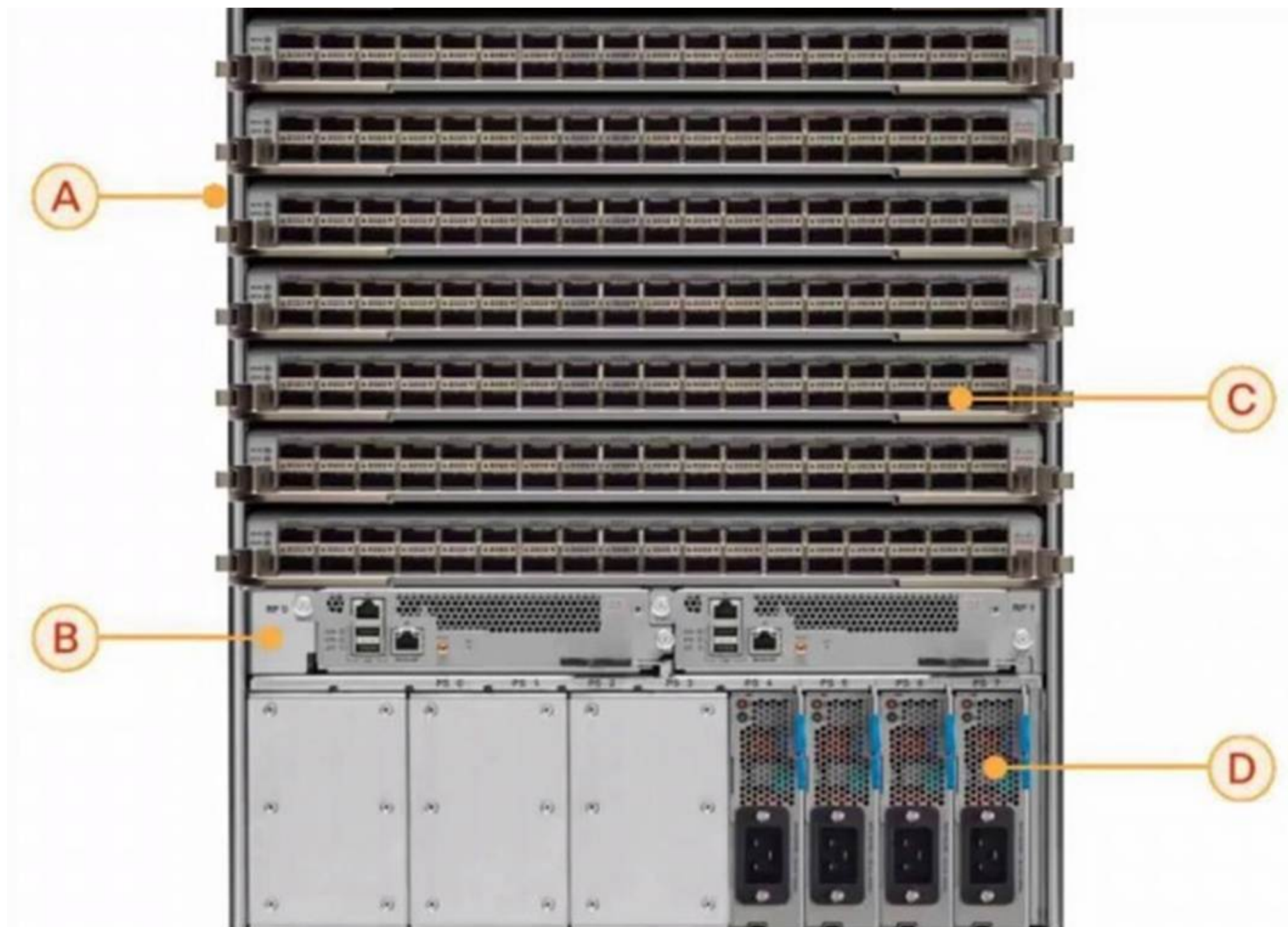
Optical Fiber Converters:

- Also known as media converters, they are used to convert electrical signals to optical signals (and vice versa) for fiber transmission.
- Common in WAN scenarios where long-distance high-speed transmission over fiber is required.

Incorrect Options:

- A. Hubs: Obsolete Layer 1 devices used in LANs, not suitable for WANs.
- D. Network Interface Cards (NICs): Used in end devices for LAN connectivity.
- E. Wireless Access Points: Typically used in WLANs within local premises, not WAN infrastructure. This aligns with Cisco's WAN architecture fundamentals as highlighted in FLDTEC under Cisco Equipment and Related Hardware.

NEW QUESTION 64
DRAG DROP



Refer to the exhibit. Drag and drop the names of the field-replaceable units from the left onto the corresponding letters on the image of the Cisco NCS 5500 Series modular router.

power supplies

transceivers

route processor cards

line cards

A

B

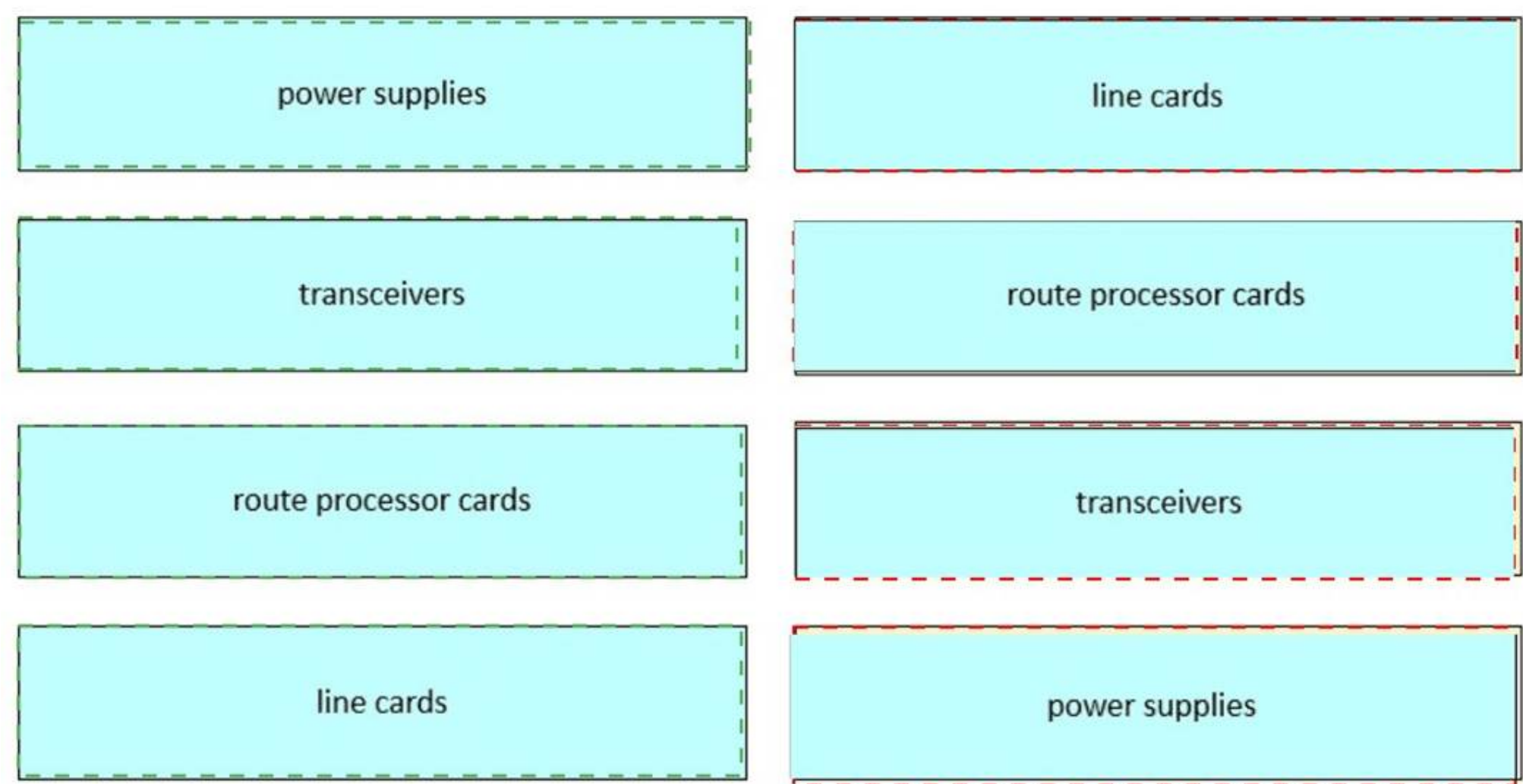
C

D

A. Mastered
 B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 69

Which function does the Stack Port 1 serve on a Cisco Meraki switch?

- A. It provides a dedicated uplink to the Meraki cloud for management.
- B. It serves as a high-speed interconnect for clustered switches.
- C. It connects to the Stack Port 2 of the previous switch in a stack configuration.
- D. It connects to the Stack Port 2 of the next switch in a stack configuration.

Answer: B

NEW QUESTION 70

Which two configuration parameters are most critical to ensure optimal performance when configuring a network port for a newly installed IP phone in an enterprise environment? (Choose two.)

- A. VLAN assignment
- B. Link aggregation
- C. Spanning Tree Protocol
- D. Power over Ethernet
- E. QoS classification

Answer: AD

NEW QUESTION 75

DRAG DROP

Drag and drop the Cisco UCS components from the left onto the corresponding functionalities on the right.

fabric interconnects	primary point of connectivity for all attached devices
virtual interface cards	installed In a chassis and provide compute power
fabric extenders	maintain connectivity by extending ports
servers	network adapters that allow network interface virtualization

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

fabric interconnects	fabric interconnects
virtual interface cards	servers
fabric extenders	fabric extenders
servers	virtual interface cards

NEW QUESTION 76

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

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

Answer: D

NEW QUESTION 77

What is the purpose of a subnet mask?

- A. Distinguishes the network andhost segments
B. Provides encryption for network traffic
C. Determines the next-hop router
D. Aids in route prioritization

Answer: A

Explanation:

Asubnet maskis a 32-bit number used in IP networking to divide an IP address into network and host portions. This division is crucial for routing traffic within and

between networks. The subnet mask works in tandem with the IP address to identify which part of the address refers to the network and which part refers to the host. This distinction allows for efficient IP address allocation and routing.
For example, in the IP address 192.168.1.10 with a subnet mask of 255.255.255.0, the first three octets (192.168.1) represent the network portion, while the last octet (10) identifies the specific host within that network.
Reference:Supporting Cisco Devices for Field Technicians (FLDTEC) – Cisco IOS Software Basics

NEW QUESTION 78

DRAG DROP
Drag and drop the TFTP statements from the left onto the corresponding categories on the right.

lack of security features and user authentication

simple setup and operation

transferring small files without security concerns

not suitable for transferring large files

Advantages of TFTP

Disadvantages of TFTP

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The FLDTEC course teaches that TFTP is a lightweight file transfer protocol often used in Cisco devices for transferring configuration files or IOS images, especially in environments where simplicity is more critical than security:
Advantages:
It has a lightweight footprint, making it easy to use and configure.
Useful for transferring small files such as backup configs or small IOS images.
Disadvantages:
Lacks encryption and does not support authentication, making it insecure for sensitive or production environments.
Not efficient for large file transfers due to its limited feature set and reliance on UDP (User Datagram Protocol).
This makes TFTP a good fit for trusted internal networks where simplicity is preferred over robust security.

NEW QUESTION 79

Refer to the exhibit.



Which component is highlighted on the Cisco I/O module image?

- A. captive screw
- B. chassis connections LED
- C. fan module LED
- D. fixed port

Answer: B

NEW QUESTION 81

What is the purpose of the pre-service checklist in the endpoint replacement process?

- A. To ensure all necessary tools and personnel are available
- B. To test the functionality of the existing endpoint
- C. To verify the current configuration settings of the endpoint
- D. To gather information about the replacement unit

Answer: A

NEW QUESTION 82

Which component of the Cisco Room system requires removal of the upper textile grille and the use of release levers during its replacement process?

- A. Loudspeaker
- B. Quad camera
- C. Codec
- D. Antenna module

Answer: B

Explanation:

In Cisco Room systems such as the Room Kit Pro and similar setups, replacing the quad camera involves a physical disassembly process. Specifically, the upper textile grille must be removed to gain access to the internal mounting mechanism. After that, release levers are used to disengage the quad camera unit from its housing.

This procedure ensures secure installation while allowing relatively straightforward removal when maintenance or replacement is necessary. The codec, loudspeaker, and antenna module do not typically require this specific removal method.

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

NEW QUESTION 87

What are two indicators that a network interface card must be replaced? (Choose two.)

- A. Connectivity problems
- B. Inability to save configurations
- C. Boot failures
- D. Consistent link down status
- E. Frequent system crashes

Answer: AD

NEW QUESTION 92

What must be verified before installing or replacing DIMMs in a Cisco UCS server?

- A. Compatibility of the DIMM with the current firmware version of the server
- B. Current DIMM configuration and population order
- C. Exact type, speed, and capacity of the DIMM
- D. Maximum supported DIMM capacity for the server model

Answer: B

NEW QUESTION 96

Which action must be taken when editing a captured configuration of an old device for reuse in a replacement device?

- A. Remove all configurations under line vty 0 4.
- B. Retain all username entries.
- C. Keep all access-listcommands intact.
- D. Add the enable password cisco command.

Answer: B

NEW QUESTION 99

DRAG DROP

Drag and drop the failures from the left onto the responsible devices in the MDS field- replaceable unit on the right.

inability to manage or control switch functions	fan module
failure to maintain optimal temperatures	supervisor module
loss of connectivity on specific ports	fabric module
inability to establish fiber optic connections	line card
degraded internal data transfer between line cards	transceivers

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

inability to manage or control switch functions

failure to maintain optimal temperatures

failure to maintain optimal temperatures

inability to manage or control switch functions

loss of connectivity on specific ports

degraded internal data transfer between line cards

inability to establish fiber optic connections

loss of connectivity on specific ports

degraded internal data transfer between line cards

inability to establish fiber optic connections

NEW QUESTION 102

Which type of license is locally managed and does not require external tools for management?

- A. Hybrid licenses
- B. PAK licenses
- C. RTU licenses
- D. Smart licenses

Answer: C

NEW QUESTION 103

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