

Exam Questions 640-692

Supporting Cisco routing and Switching Network Devices

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NEW QUESTION 1

Refer to the exhibit.

```
1 FastEthernet/IEEE 802.3 interface(s)
125K bytes of non-volatile configuration memory.

65536K bytes of ATA PCMCIA card at slot 0 (Sector size 512 bytes).
8192K bytes of Flash internal SIMM (Sector size 256K).

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]:
```

What can be determined about the router from the console output?

- A. No configuration file was found in NVRAM.
- B. No configuration file was found in flash.
- C. No configuration file was found in the PCMCIA card.
- D. Configuration file is normal and will load in 15 seconds.

Answer: A

NEW QUESTION 2

Refer to the exhibit.



Into which port do you insert the card?

- A. ATM
- B. Gigabit Ethernet
- C. Serial
- D. Ethernet

Answer: B

NEW QUESTION 3

DRAG DROP

You are performing a password recovery on a Cisco fixed Catalyst switch. Click and drag the steps on the left into the correct order on the right.

flash_init	Step 1
load_helper	Step 2
mode button	Step 3
power on	Step 4

Answer:

Explanation: Step 1 – Power on Step 2 – Mode button Step 3 – flash_init Step 4 – load_helper

NEW QUESTION 4

The colored wires at one end of the cable in the reverse sequence of the colored wires at the other end of the cable. Which cable does this describe?

- A. Rolled
- B. Coaxial
- C. Crossover
- D. Straight-through

Answer: A

NEW QUESTION 5

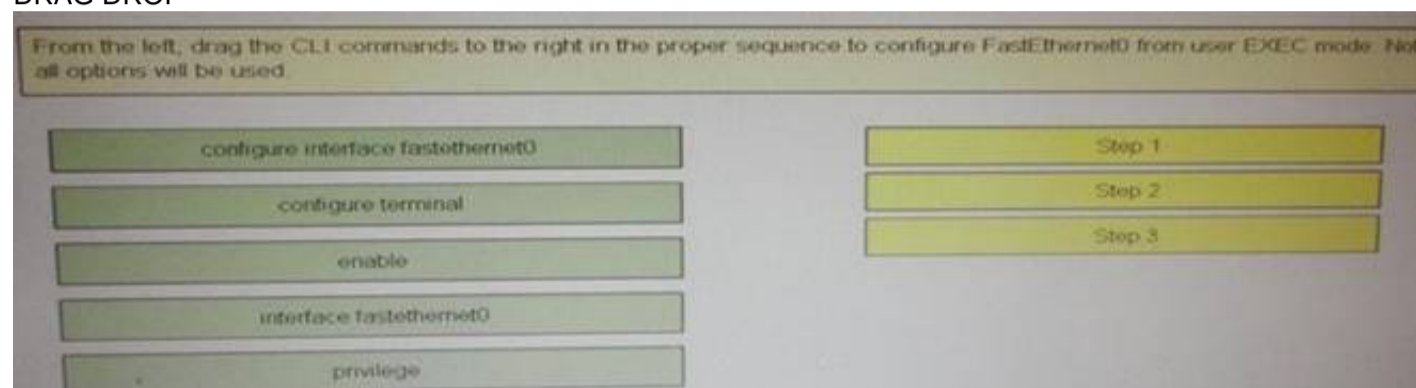
Which two of the following are true? (Choose two)

- A. Telnet is preferred over SSH for security reasons.
- B. SSH is a protocol that provides a secure remote access connection to network devices.
- C. When using HyperTerminal to communicate over a TCP/IP network, the SSH protocol is used.
- D. A Telnet network management connection is dropped when a router reboots.
- E. Telnet is a protocol that provides a secure remote access connection to network devices.

Answer: BD

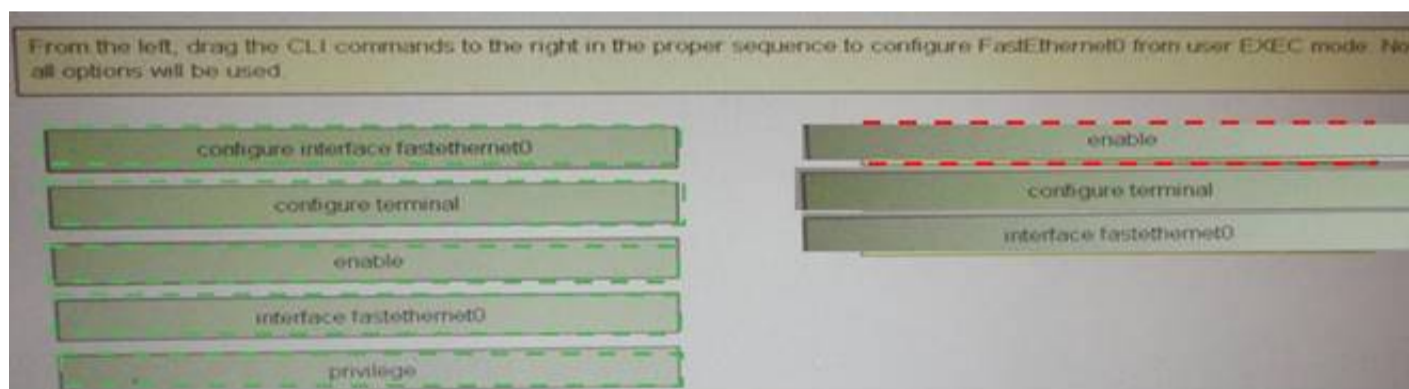
NEW QUESTION 6

DRAG DROP



Answer:

Explanation:



NEW QUESTION 7

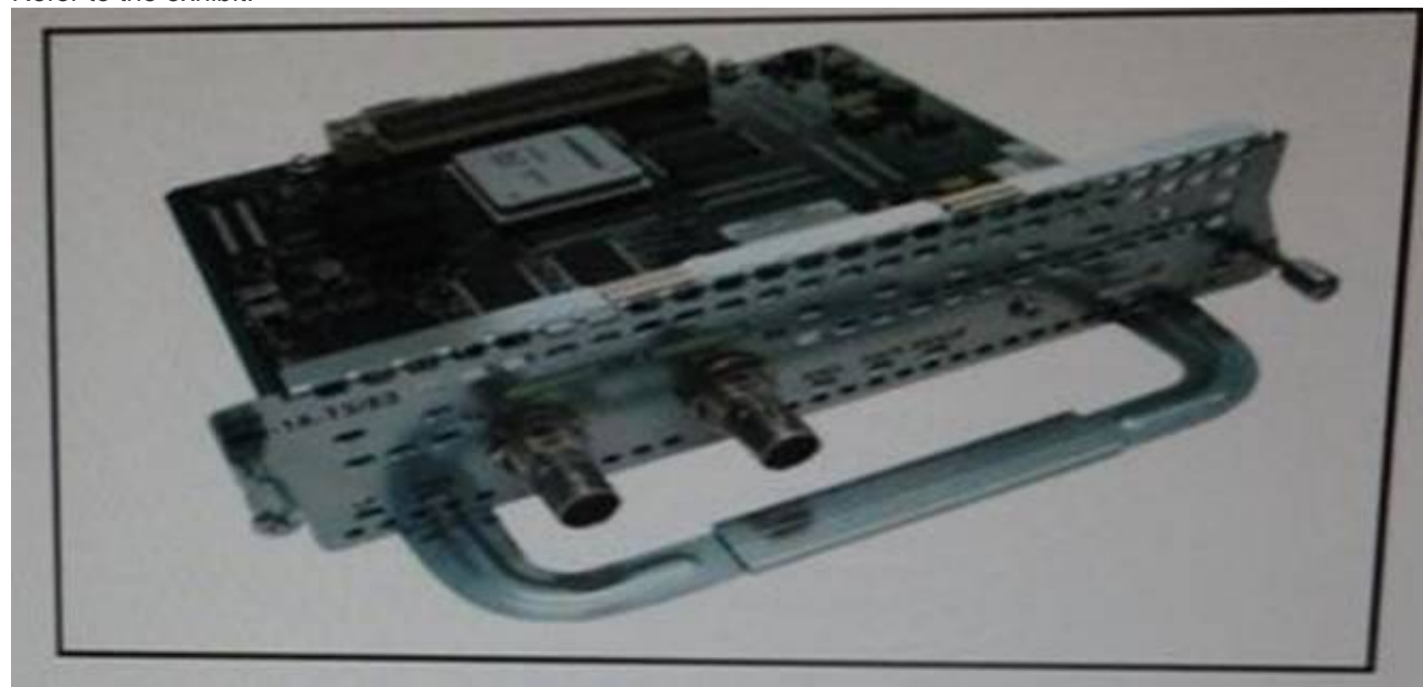
Which type of memory stores the startup configuration file for the Cisco device?

- A. Flash
- B. NVRAM
- C. RAM
- D. ROM

Answer: B

NEW QUESTION 8

Refer to the exhibit.



Which type of cable us used on the ATM card?

- A. Fiber-optic BNC
- B. Coaxial
- C. Serial
- D. Crossover

Answer: B

NEW QUESTION 9

Which of the following best describes the cable that is used to connect a laptop to an Ethernet port on a Cisco router?

- A. Crossover
- B. Straight-through
- C. Fiber
- D. Rollover

Answer: A

NEW QUESTION 10

What does Cisco use for Return Materials Authorization (RMA) tracking of field-replaceable parts?

- A. model number
- B. product number
- C. serial number
- D. RMA number
- E. FRU number

Answer: C

Explanation: Cisco uses Serial Numbers for RMA tracking of field replaceable parts (FRU) and for service contract entitlement verification of devices.

NEW QUESTION 10

Which Ethernet interface command is present when you boot a new Cisco router for the first time?

- A. speed 100
- B. shutdown
- C. ip address 192.168.1.1 255.255.255.0
- D. duplex half

Answer: B

NEW QUESTION 13

Which three of the following describe Fast Ethernet? (Choose three)

- A. 1QBASE-T H B
- B. 100BASE-T
- C. 10-Mb/s speed
- D. 100-Mb/s speed
- E. requires Category 3 or higher UTP cabling
- F. requires Category 5 or higher UTP cabling

Answer: BDF

NEW QUESTION 17

What are two ways to open a command prompt session on a Windows-based computer? (Choose two)

- A. Click Start > Control Panel > Command Prompt
- B. Click Start > All Programs > Accessories > Command Prompt
- C. Click Start > All Programs > Command Prompt
- D. Click Start > Ru
- E. Enter cmd and click OK
- F. Click Start > All Programs > Accessories > Communications > Command Prompt

Answer: BD

NEW QUESTION 19

Which of the following best describes the port on a laptop that is used to connection to an Ethernet port on a Cisco Switch?

- A. RJ-45
- B. RJ-11
- C. VGA
- D. DVI
- E. DB-9

Answer: A

NEW QUESTION 20

What is the difference between a CSU/DSU and a modem?

- A. A CSU/DSU converts analog signals from a router to a leased line; a modem converts analog signals from a router to a leased line.
- B. A CSU/DSU converts analog signals from a router to a phone line; a modem converts digital signals from a router to a leased line.
- C. A CSU/DSU converts digital signals from a router to a phone line; a modem converts analog signals from a router to a phone line.
- D. A CSU/DSU converts digital signals from a router to a leased line; a modem converts digital signals from a router to a phone line.

Answer: D

NEW QUESTION 25

Which of the following command display the saved configuration file?

- A. show configuration
- B. show file system
- C. show running-config
- D. start config

Answer: A

NEW QUESTION 26

Which of the following CLI operating modes, by default, allow you to copy a Cisco IOS image to flash memory from TFTP server?

- A. User EXEC
- B. Privileged EXEC
- C. FTP
- D. Global configuration

Answer: B

NEW QUESTION 29

Refer to the exhibit.

```
Router# copy ftp flash
Address or name of remote host []? 192.168.2.167
Source filename []? c1600-k8osy-mz.123-16a.bin
Destination filename [c1600-k8osy-mz.123-16a.bin]?
Accessing tftp://192.168.2.167/c1600-k8osy-mz.123-16a.bin...
Erase flash: before copying? [confirm]
Erasing the flash filesystem will remove all files! Continue? [confirm]
Erasing device...
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
Erase of flash: complete
Loading c1600-k8osy-mz.123-16a.bin from 192.168.2.167 (via Ethernet0):
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
[OK - 6888962/13777920 bytes]

Verifying checksum... OK (0x7BF3)
6888962 bytes copied in 209.920 secs (32961 bytes/sec)
Router#
```

Why is flash memory erased prior to upgrading the IOS image from the TFTP server?

- A. The router cannot verify that the Cisco IOS image currently in flash is valid.
- B. Flash memory on Cisco routers can contain only a single IOS image.
- C. Erasing current flash content is requested during the copy dialog.
- D. In order for the router to use the new image as the default, it must be the only IOS image in flash.

Answer: C

NEW QUESTION 30

Which two pieces of information does the show ip interface brief command display? (Choose two)

- A. Encapsulation type
- B. Interface status
- C. Layer 2 address
- D. Layer 3 address
- E. Keep alive

Answer: BD

NEW QUESTION 32

Refer to the exhibit.

```
Router#config 1
Router(config)#line vty 0 4
Router(config-line)#password c1sc0
Router(config-line)#no login
```

What is the result of setting the no login command?

- A. Telnet access is denied.
- B. Telnet access requires a new password at the first login.
- C. Telnet access requires a new password.
- D. no password is required for telnet access.

Answer: D

NEW QUESTION 37

Refer to the exhibit.

```
Router#config1
Router(cofing)#line vtv 04
Router(confing-line)#password c1 sc0
Router(confing-line)#login
```

Which user-mode password has just been set?

- A. Telnet
- B. Auxiliary
- C. SSH
- D. Console

Answer: A

NEW QUESTION 42

Which command initiates copying the saved configuration of a Cisco device to a TFTP server?

- A. copy running-config tftp
- B. copy startup-config tftp
- C. copy tftp running-config
- D. copy tftp startup-config

Answer: B

NEW QUESTION 45

Which IOS layer does a server use to keep track of which application communications in which conversation?

- A. Transport
- B. Network
- C. Session
- D. Application

Answer: C

NEW QUESTION 46

Which command displays the configuration register setting?

- A. show config-register
- B. show flash
- C. show running-config
- D. show version

Answer: D

NEW QUESTION 50

Which IEEE standard protocol is initiated as a result of successful DTP completion in a switch over Fast Ethernet?

- A. 802.3ad
- B. 802.1w
- C. 802.1D
- D. 802.1Q

Answer: D

NEW QUESTION 51

Which of the following describes the roles of devices in a WAN? (Choose three.)

- A. A CSU/DSU terminates a digital local loop.
- B. A modem terminates a digital local loop.
- C. A CSU/DSU terminates an analog local loop.
- D. A modem terminates an analog local loop.
- E. A router is commonly considered a DTE device.
- F. A router is commonly considered a DCE device.

Answer: ADE

NEW QUESTION 53

At the interface configuration prompt, which command returns you to the main configuration prompt?

- A. Ctrl-Z
- B. end
- C. exit
- D. quit

Answer: C

NEW QUESTION 54

Which command is necessary to permit SSH or Telnet access to a cisco switch that is otherwise configured for these vty line protocols?

- A. transport type all
- B. transport output all
- C. transport preferred all
- D. transport input all

Answer: D

NEW QUESTION 56

Which two of the following statements are true? (Choose two)

- A. Because FTP usually requires authentication, a Cisco router must be configured with the appropriate username and password.
- B. FTP uses UDP as its transport protocol.
- C. The copy running-config ftp: command is used to copy a configuration file from an FTP server to the running configuration.
- D. A router can act as an FTP server.
- E. FTP can be used to load Cisco IOS software to router in ROMMON mode.

Answer: AD

NEW QUESTION 57

Which two of the following statements are true? (Choose two)

- A. OEM products that are built for Cisco never get a Cisco logo applied.
- B. The Cisco logo, old or new, can be found on the front bezel of all Cisco rack-mountable or desktop products.
- C. Serial numbers are attached by label on all Cisco field-replaceable parts.
- D. At the network module level, the model number is the same as the part number.

Answer: BD

NEW QUESTION 58

Which layer of the IOS model defines how data is formatted for transmission and how access to the physical media is controlled?

- A. Physical
- B. Data link
- C. Network
- D. Transport

Answer: B

NEW QUESTION 62

Which two pieces of information about a device can be seen from the show version command?

- A. CPU load
- B. Device model
- C. Installed DRAM
- D. local CLI
- E. Locally configured IP addresses

Answer: BC

NEW QUESTION 66

Which type of memory stores the decompressed form of the Cisco IOS software and the running configuration?

- A. Flash
- B. ROM
- C. DRAM
- D. NVRAM

Answer: C

NEW QUESTION 68

Which of the following best describes how to assign a static IP address to the Ethernet port on a computer?

- A. From network Connections, click Create a New Connection and follow the network connection Wizard instructions.
- B. From Network Connections, double-click Local Area Connectio
- C. Click Protocol (TCP/IP). Click the properties, click the use the Following Address button, and then configure the IP information.
- D. Click Start> Run Enter cmd and click O
- E. Enter ip address XXX.XXX.XXX.XXX.
- F. From Network Connections, double-click Local Connectio
- G. Click Properties, click iPass Protocol (IEEE), click properties and select static IP.

Answer: B

NEW QUESTION 71

When using a modem to provide out-of-band access to a Cisco router, which cable type is used to connect the wall jack to the modem?

- A. DB-25 to RJ-11
- B. RJ-11 to Rj-11
- C. RJ-45 to RJ-45
- D. RJ-11 to RJ-45
- E. RJ-11 to DB-9

Answer: B

NEW QUESTION 76

Which two commands are used to set the configuration register value? (Choose two)

- A. Router(config)#config-register 0x2102
- B. Router(config)#confreg 0x2102
- C. rommon>config-register 0x2102
- D. rommon>confreg 0x2102
- E. Router(config)#configuration-register 0x2102

Answer: AD

NEW QUESTION 77

The pins and RJ-45 are numbered from 1 through 8. With the material points of the plug facing toward you, pin 1 is the leftmost pin. Which two sets are looped on an RJ-45 T1 loopback plug? (Choose two)

- A. Pins 1 and 4
- B. Pins 1 and 7
- C. Pins 2 and 5
- D. Pins 2 and 8
- E. Pins 1 and 5
- F. Pins 2 and 7

Answer: AC

NEW QUESTION 80

When using a modem to provide out-of-band access to a Cisco router, which cable is used to connect the modem to the router?

- A. DB-25 to RJ-45
- B. RJ-45 to RJ-45
- C. RJ-44 to RJ-45
- D. DB-9 to RJ-45
- E. DB-45 to RJ-45

Answer: A

NEW QUESTION 84

ESD is the sudden and momentary electric current that flows between two different objects at different electrical potentials caused by direct contact or induced by an electrostatic field. Which three of the following tools should be used to avoid ESD? (Choose three)

- A. ESD wrist strap
- B. Latex gloves
- C. Antistatic bag

- D. Antistatic mat
- E. Negative static mat
- F. Negative static bag

Answer: ACD

NEW QUESTION 86

Which sequence begins a unique local IP address in binary notation?

- A. 11111110
- B. 11111111
- C. 00000000
- D. 1111100

Answer: A

NEW QUESTION 91

Which two of the following are component of WAN connection? (Choose two)

- A. router
- B. switch
- C. CSU/DSU
- D. Hub
- E. Bridge

Answer: AC

NEW QUESTION 95

What are two ways to open Microsoft Notepad on a Windows-based computer? (Choose two)

- A. Start > Run Enter Notepad and 'Ink OK
- B. Start > Control Panel > Notepad
- C. Start > All Programs > Notepad
- D. Start > All Programs > Accessories > Notepad
- E. Start > All Programs > Microsoft Office > Notepad

Answer: AD

NEW QUESTION 96

Which two of the following are installed fiber-optic connectors? (Choose two)

- A. subscriber
- B. crossover
- C. multi-dimension
- D. Lucent

Answer: AD

NEW QUESTION 98

Refer to the exhibit.

```
Router1> show version
Cisco Internetwork Operating System Software
IOS™ 7200 Software (C7200-J-M), Experimental Version 11.3T(997091S:1647S2)
[hampton-nitro-baseline 249]
Copyright (c) 1986-1997 by cisco Systems, Inc.
Compiled Wed 08-Oct-97 06:39 by hampton
Image text-base: 0x60008900, data-base: 0x60B98000

ROM: System Bootstrap, Version 11.1(11855) [beta 2], INTERIM SOFTWARE
BOOTLASH: 7200 Software (C7200-BOOT-M), Version 11.1(472), RELEASE SOFTWARE (fcl)

Router1 uptime is 23 hours, 33 minutes
System restarted by abort at PC 0x6022322C at 10:50:55 PDT Tue Oct 21 1997
System image file is "tftp://112.16.1.129/hampton/nitro/c7200-j-mz"

cisco 7206 (NPE150) processor with 57344K/8192K bytes of memory.

Configuration register is 0x2102
```

For what two reasons has the router loaded its IOS image from the location that is shown? (Choose two.)

- A. Router1 has specific boot system commands that instruct it to load IOS from a TFTP server.
- B. Router1 is acting as a TFTP server for other routers.
- C. Router1 cannot locate a valid IOS image in flash memory.
- D. Router1 defaulted to ROMMON mode and loaded the IOS image from a TFTP server.
- E. Cisco routers will first attempt to load an image from TFTP for management purposes.

Answer: AC

NEW QUESTION 101

Which two statements about fiber cable are true? (Choose two)

- A. Single-mode fiber supports SC and LC connectors only.
- B. Multimode cable supports speeds between 100 Mbps and 9.92 Gbps.
- C. Single-mode cable is most appropriate for installations longer than 10 km.
- D. Fiber cable is relatively inexpensive and supports a higher data rate than coaxial cable.
- E. Multimode cable supports speeds between 100 Mbps and 100 Gbps.

Answer: DE

NEW QUESTION 106

Which two of the following CLI operating modes, by default, allow you to copy a Cisco IOS image to flash memory from TFTP server? (Choose two)

- A. User EXEC
- B. Privileged EXEC
- C. ROMMON
- D. Global configuration

Answer: BC

NEW QUESTION 107

A null modem cable uses which adapter type?

- A. RJ-11
- B. RJ-45
- C. RS-323
- D. RS-232
- E. USB

Answer: B

NEW QUESTION 112

Which three of the following statements are true about a smart jack? (Choose three)

- A. It provides signal conversion.
- B. It operates at Layer 2 of the OSI model.
- C. It regenerates the signal to compensate for signal degradation from line transmission.
- D. It provides loopback testing.
- E. It acts as a concentration point for dial-in and dial-out connections.

Answer: ACD

NEW QUESTION 116

Refer to the exhibit.



What does the CD LED indicate on the voice WAN interface card?

- A. An alarm condition
- B. Receive signal strength
- C. A carrier has been detected
- D. The interface is in loopback mode

Answer: C

NEW QUESTION 118

Which type of memory is used to permanently store the Cisco IOS software?

- A. Flash
- B. DRAM
- C. SRAM

D. NVRAM

Answer: A

NEW QUESTION 123

Which two locations can be configured as a source for the IOS image in the boot system command? (Choose two.)

- A. RAM
- B. NVRAM
- C. flash memory
- D. HTTP server
- E. TFTP server
- F. Telnet server

Answer: CE

NEW QUESTION 124

Which two commands display the saved configuration file? (Choose two)

- A. show configuration
- B. show file system
- C. show running-config
- D. show startup-config

Answer: AD

NEW QUESTION 125

Which of the following is a DTE device?

- A. router
- B. CSU/DSU
- C. cable modem
- D. DSL modem

Answer: A

NEW QUESTION 127

Which command can be used to identify the serial number of a Cisco router?

- A. Show run
- B. Show version
- C. Show archive
- D. Show environment

Answer: B

NEW QUESTION 131

Which of the following statements are true?

- A. OEM products that are built for Cisco never get a Cisco logo applied.
- B. The Cisco logo, old or new, can be found on the front bezel of all Cisco rack-mountable or desktop products.
- C. Serial numbers are attached by label on all Cisco field-replaceable parts.
- D. At the network level, the user serial number should be different as the part number.

Answer: B

NEW QUESTION 132

Which interface card is an encryption module?

- A. NME-VMSS-16
- B. NME-CUSP-522
- C. AIM-VPN/SSL-3
- D. M-1A-OC3-POM

Answer: C

NEW QUESTION 134

Which two of the following statements are true about a switch? (Choose two)

- A. It is a repeater.
- B. It is a data link layer device.
- C. It will forward the frame out all ports when it receives a broadcast from a host.
- D. It reads the destination MAC address to forward traffic out the appropriate port.
- E. It acts as an amplifier.

Answer: BD

NEW QUESTION 136

Which statement about unique local IP addresses is true?

- A. Summarization is not supported.
- B. They require all prefixes to be unique.
- C. Their global IDs are assigned sequentially.
- D. They are routable to the public Internet.

Answer: B

NEW QUESTION 138

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