IT-Libraries Q&A

Vendor: Cisco

Exam Code: 100-490

Exam Name: Cisco Certified Technician Routing & Switching

QUESTION 1
Which router can be used for disk-in-access to the router CLI management purposes and does not usually pass normal network traffic?

A. AUX
B. Gigabit Ethernet
C. Fast Ethernet
D. Channelized serial

Correct Answer: A

QUESTION 2
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

Correct Answer: BD

QUESTION 3
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

Correct Answer: AC

QUESTION 4
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

Correct Answer: AD

QUESTION 5
Which three of the following statements are true? (Choose three.)

A. Each IP address has two parts: a network ID and a host ID
B. An IP subnet equals a broadcast domain.

C. An IPv4 address contains 36 bits
D. 172.16.1.18 is a Class A address
E. A subnet address is created by borrowing bits from the original host ID

Correct Answer: ABE

QUESTION 6
Which of the following is a DTE device?

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

Correct Answer: A

QUESTION 7
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.
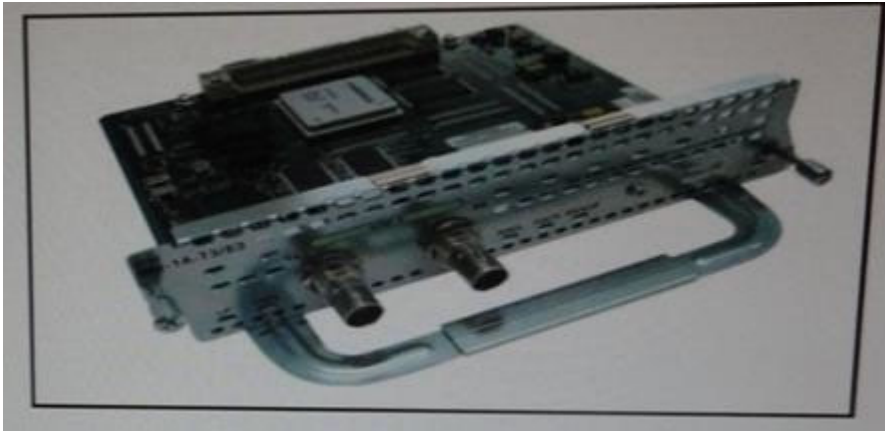E. It acts as an amplifier.

Correct Answer: BD

QUESTION 8
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

Correct Answer: A

QUESTION 9
Refer to the exhibit.

Which type of cable us used on the ATM card?

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

Correct Answer: B

QUESTION 10
What are two features that are associated with single-mode fiber-optic cable? (Choose two.)

A. a single strand of glass fiber
B. carries higher bandwidth than multimode fiber
C. cost is less than multimode fiber
D. operates over less distance than multimode fiber

Correct Answer: AB

QUESTION 11
Refer to the exhibit.

Into which port do you insert the card?

A. ATM
B. Gigabit Ethernet
C. Serial

D. Ethernet

Correct Answer: B

QUESTION 12
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

Correct Answer: A

QUESTION 13
Which type if memory is used to permanently store the Cisco IOS software?

A. Flash
B. DRAM
C. SRAM
D. NVRAM

Correct Answer: D

QUESTION 14
What is the default operating mode you are initially logging into a router?

A. global configuration
B. privileged EXEC
C. ROM monitor
D. user EXEC

Correct Answer: D

QUESTION 15
Which two of the following are component of WAN connection? (Choose two)

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

Correct Answer: AC

QUESTION 16
A null modem cable uses which adapter type?

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

E. USB

Correct Answer: C

QUESTION 17
TFTP is a simple protocol files, such as a Cisco IOS or configuration file, from one device to another. Which device cannot be configured to be used as a TFTP server?

A. Cisco router
B. Cisco switch
C. Computer
D. Modem
E. Cisco wireless LAN

Correct Answer: D

QUESTION 18
Which command sends an echo request packet to the largest host and then waits for an echo response message?

A. telnet
B. connect
C. access
D. echo
E. ping

Correct Answer: E

QUESTION 19
Which address facilitates the routing of packets over an IP network?

A. MAC
B. transport
C. network
D. physical

Correct Answer: C

QUESTION 20
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

Correct Answer: B

QUESTION 21
While performing password recovery on a Cisco device, the configuration register should be which value in order to bypass loading the startup configuration?

A. 0x2102

B. 0x2112
C. 0x2122
D. 0x2142

Correct Answer: A

QUESTION 22
Which three of the following statements are true about a router? (Choose three)

A. It forwards broadcast frames.
B. It interconnects multiple networks together.
C. It chooses the best route for your data to travel.
D. It manages and analyzes a company's database.
E. It divides a network into separate broadcast domains.

Correct Answer: BCE

QUESTION 23
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

Correct Answer: A

QUESTION 24
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

Correct Answer: B

QUESTION 25
Which windows-based text editor is preferred when working with a simple text document such as a Cisco configuration?

A. Microsoft Excel
B. Microsoft Word
C. Microsoft Notepad
D. Microsoft Access

Correct Answer: C

QUESTION 26
Which of the following best describes the port on a laptop that is used to connection to an Ethernet port on a Cisco Switch?
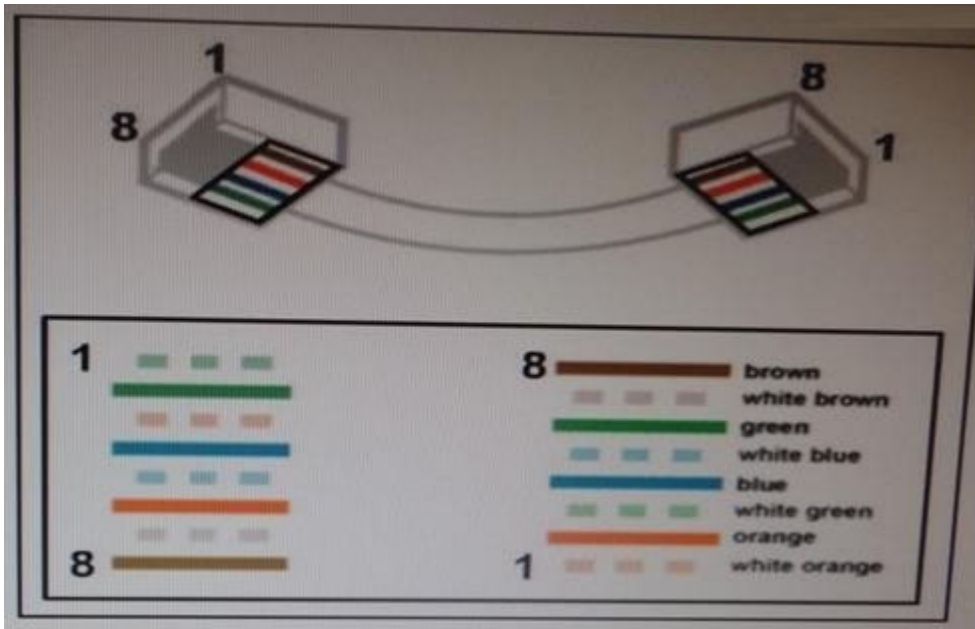
A. RJ-45

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

Correct Answer: A

QUESTION 27
Refer to the exhibit.

Of which cable type this an example?

A. RJ-45 straight-through
B. RJ-45
C. RJ-45 rollover
D. RJ-11
E. RJ-45 crossover

Correct Answer: C

QUESTION 28
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 Connection. Click Protocol (TCP/IP). Click the properties, click the use the Following Address button, and then configure the IP information.
C. Click Start> Run Enter cmd and click OK. Enter ip address XXX.XXX.XXX.XXX.
D. From Network Connections, double-click Local Connection. Click Properties, click iPass Protocol (IEEE), click properties and select static IP.

Correct Answer: B

QUESTION 29

On which three operating systems does HyperTerminal not come pre-installed? (Choose three)

A. Windows XP
B. Windows Vista
C. Mac OSX
D. Windows 98
E. Windows 7
F. Windows 2000

Correct Answer: BCE

QUESTION 30
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

Correct Answer: BDF

QUESTION 31
Which bits represent the boot field in the configuration register value?

A. highest two bits
B. highest four bits
C. lowest two bits
D. lowest four bits

Correct Answer: D

QUESTION 32
At the interface configuration prompt, which command returns you to the main configuration prompt?

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

Correct Answer: C

QUESTION 33
Which port displays the bootup process on a Cisco device?

A. ATM
B. BVI
C. Console
D. Ethernet

Correct Answer: C

QUESTION 34
Which type of memory stores the startup configuration file for the Cisco device?

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

Correct Answer: B

QUESTION 35
Which command initiates the copy of an IOS image to a Cisco device?

A. copy flash tftp
B. copy tftp flash
C. copy tftp ftp
D. copy tftp nvram
E. xmodem flash

Correct Answer: B

QUESTION 36
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

Correct Answer: A

QUESTION 37
Which two of the following are installed fiber-optic connectors? (Choose two)

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

Correct Answer: AD

QUESTION 38
Which two pairs of LAN Ethernet devices use an RJ-45 Straight-through cable? (Choose two)

A. Switch to switch
B. Switch to router
C. Switch to server
D. Router to router
E. Switch to hub

Correct Answer: BC

QUESTION 39
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

Correct Answer: C

QUESTION 40
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

Correct Answer: B

QUESTION 41
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.

Correct Answer: ACD

QUESTION 42
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

Correct Answer: C

QUESTION 43
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

Correct Answer: C

QUESTION 44
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

Correct Answer: AB

QUESTION 45
Which three pieces of information about a device can be seen from the show version command? (Choose three)

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

Correct Answer: BCD

QUESTION 46
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

Correct Answer: AD

QUESTION 47
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.

Correct Answer: BD

QUESTION 48
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

Correct Answer: D

QUESTION 49
Which command initiates the transfer of a Cisco IOS image over IP from ROMMON?

A. copy tftp: flash:
B. copy flash: tftp:
C. tftpdnld
D. xmodem

Correct Answer: D

QUESTION 50
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

Correct Answer: ACD

QUESTION 51
Which command indicates the amount of memory (NVRAM, RAM, and flash) in a Cisco device?

A. show diag
B. show environment
C. show inventory
D. show version

Correct Answer: D

QUESTION 52
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.

Correct Answer: BD

QUESTION 53
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

Correct Answer: C

QUESTION 54
Which two of the following are features of NVRAM on a Cisco device? (Choose two)

A. Stores startup configuration

B. Stores running configuration

C. Stores routing tables

D. Stores decompressed IOS software image

E. Erased when device is rebooted

F. Not erased when device is rebooted

Correct Answer: AF

QUESTION 55
Which command displays the configuration register setting?

A. show config-register

B. show flash

C. show running-config

D. show version

Correct Answer: D

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.

Correct Answer: AD

QUESTION 57
From a Windows command prompt, which command displays the local IP address of a computer?

A. ip config
B. ip configuration
C. ipconfig
D. ipconfiguration

Correct Answer: C

QUESTION 58
Which of the following best describes the cable that is used to connect a laptop to the Console port on a Cisco router?

A. crossover
B. straight-through
C. fiber
D. rollover

Correct Answer: D

QUESTION 59
What are two possible causes if an Ethernet interface is up and the line protocol is down? (Choose two)

A. The Ethernet cable might not be attached properly
B. There is a speed or duplex mismatch with the remote device
C. The Ethernet interface has been manually disabled
D. There is a Layer 2 mismatch in the encapsulation type
E. Keepalives are not being received by the local device

Correct Answer: BD

QUESTION 60
Which type of memory is necessary for a router to boot?

A. DRAM
B. PVDM
C. NVRAM
D. VRAM

Correct Answer: C

QUESTION 61
Which two pieces of information can be determined about a neighbor device from the CLI command show cdp neighbor? (Choose two)

A. device ID
B. IP address
C. platform
D. uptime

Correct Answer: AC

QUESTION 62
Which two modules can be plugged into internal advanced integration module (AIM) slots on a Cisco router? (Choose two)

A. Virtual Private Network Module
B. Intrusion Detection System Module
C. Packet Voice Digital Signal Processor Module
D. LAN Switching Module
E. Voice Interface Module

Correct Answer: AB

QUESTION 63
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

Correct Answer: AD

QUESTION 64
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 > Run. Enter cmd and click OK
E. Click Start > All Programs > Accessories > Communications > Command Prompt

Correct Answer: BD