# Exam Questions 100-490

## Supporting Cisco Routing & Switching Network Devices

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**NEW QUESTION 1**
Which two statements about Telnet and SSH are true? (Choose two.)

A. SSH is a protocol that provides a secure remote access connection to network devices.
B. SSH uses the well-known TCP port 23 for its communication.
C. A Telnet network management connection is dropped when a router reboots.
D. Telnet is a protocol that provides a secure remote access connection to network devices.
E. Telnet is preferred over SSH for security reasons.

**Answer:** AC


**NEW QUESTION 2**
Which address facilitates the routing of packets over an IP network?

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

**Answer:** C


**NEW QUESTION 3**
What are two components of a WAN connection? (Choose two.)

A. CSU/DSU
B. router
C. bridge
D. hub
E. switch

**Answer:** AB


**NEW QUESTION 4**
Which layer of the OSI model defines how data is formatted for transmission and how access to the physical media is controlled?

A. presentation
B. data link
C. network
D. transport

**Answer:** B


**NEW QUESTION 5**
What are two standard fiber-optic connectors? (Choose two.)

A. Lucent
B. rollover
C. subscriber
D. multidimension
E. crossover

**Answer:** AC


**NEW QUESTION 6**
Which type of physical connector does a Gigabit Ethernet port typically use?

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

**Answer:** B


**NEW QUESTION 7**
Which two features are associated with single-mode fiber-optic cable? (Choose two.)

A. consists of a single strand of glass fiber
B. has higher attenuation that multimode fiber
C. carries a higher bandwidth that multimode fiber
D. costs less than multimode fiber
E. operates over less distance than multimode fiber

**Answer:** AC

**NEW QUESTION 8**
What is the line speed of a DS0 in North America?

A. 16 kbps
B. 32 kbps
C. 64 kbps
D. 128 kbps

**Answer:** C

**NEW QUESTION 9**
How many pairs of copper wire does a UTP cable have?

A. 2
B. 3
C. 4
D. 5

**Answer:** C

**NEW QUESTION 10**
Which two commands set the configuration register value? (Choose two.)

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

**Answer:** AE

**NEW QUESTION 10**
Which bits represent the boot field in the configuration register value?

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

**Answer:** D

**NEW QUESTION 11**
Which two pieces of information are displayed when you use the show ip interface brief command? (Choose two.)

A. Layer 2 address
B. keepalive
C. Layer 3 address
D. encapsulation type
E. interface status

**Answer:** CE

**NEW QUESTION 16**
Cisco NX-OS has added the ability to use which type of custom scripting to help manage user networks?

A. C++
B. Collective
C. SQL
D. Python

**Answer:** D

**NEW QUESTION 18**
At the interface configuration prompt, which command returns you to the main configuration prompt?

A. end
B. clear
C. quit
D. exit

**Answer:** D

**NEW QUESTION 19**
Which type of port on a laptop is used to connect to an Ethernet port on a Cisco switch?

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

**Answer:** D


**NEW QUESTION 20**
An Ethernet interface is up and the line protocol is down. What are two possible causes? (Choose two.)

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

**Answer:** AB


**NEW QUESTION 23**
TFTP is a simple protocol for transferring files, such as a Cisco IOS or configuration file, from one device to another. Which device can be configured as a TFTP server?

A. Cisco Content Engine
B. modem
C. Cisco router
D. CSU/DSU

**Answer:** C


**NEW QUESTION 28**
Which two commands are valid for copying a saved configuration to RAM? (Choose two.)

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

**Answer:** AC


**NEW QUESTION 29**
Which command initiates the transfer of a Cisco IOS image over IP from ROMMON?

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

**Answer:** D


**NEW QUESTION 34**
What does Cisco use for Return Materials Authorization tracking of field- replaceable parts?

A. product number
B. serial number
C. RMA number
D. FRU number

**Answer:** C


**NEW QUESTION 38**
Which router port is used for dial-in access to the router for CLI management purposes and does not usually pass normal network traffic?

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

**Answer:** C


**NEW QUESTION 39**
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