



# Cisco

## 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

Which two IPv4 addresses can be assigned to a host computer? (Choose two.)

- A. 255.255.255.255
- B. 10.1.1.20
- C. 0.0.0.0
- D. 192.168.10.15
- E. 292.10.3.4

**Answer:** BD

#### NEW QUESTION 4

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 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 transceiver module is used for 40 Gigabit Ethernet connectivity?

- A. SFP+
- B. GBIC
- C. QSFP+
- D. XFP

**Answer:** C

#### NEW QUESTION 7

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 8

Which two ports on a laptop are used to gain console access to a Cisco switch? (Choose two.)

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

**Answer:** AB

#### NEW QUESTION 9

Which two statements about a SmartJack are true? (Choose two.)

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

**Answer:** AE

#### NEW QUESTION 10

Which type of memory stores the configuration of a router or switch by default?

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

**Answer:** A

#### NEW QUESTION 10

Which two commands identify the serial number of a Cisco router? (Choose two.)

- A. show run
- B. show inventory
- C. show environment
- D. show version
- E. show archive

**Answer:** BD

#### NEW QUESTION 11

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

- A. NVRAM
- B. flash
- C. SRAM
- D. DRAM

**Answer:** A

#### NEW QUESTION 15

What is the default operating mode when you initially log in to a router?

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

**Answer:** A

#### NEW QUESTION 20

Which command displays a list of file systems that are available on Cisco devices?

- A. show memory
- B. show directory
- C. show file system
- D. show version

**Answer:** C

#### NEW QUESTION 23

Which command displays information about the carrier network, cell site, and available service?

- A. show cellular unit network
- B. show cellular unit radio
- C. show cellular unit hardware
- D. show cellular unit profile

**Answer:** A

#### NEW QUESTION 25

Which command displays the configuration register setting?

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

**Answer:** C

#### NEW QUESTION 26

Which command provides detailed information about the components that are installed on a router, such as the model, PID, and serial number?

- A. show chassis
- B. show items
- C. show inventory
- D. show router

**Answer:** C

#### NEW QUESTION 31

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

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

**Answer:** C

#### NEW QUESTION 35

What is the Windows-based program that executes the ping command to test network connectivity?

- A. cmd
- B. Find
- C. Start
- D. ipconfig

**Answer:** A

#### NEW QUESTION 40

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 42

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 45

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

- A. From the Network and Sharing Center, click Internet Protocol (TCP/IP), and follow the New Connection Wizard instructions.
- B. From the Network and Sharing Center, click Change adapter, then double-click a local area connectio
- C. Select Internet Protocol (TCP/IP) > Properties > Use the Following Address, and then configure the IP information.
- D. Click Star

- E. Enter cmd and click O
- F. Enter the IP address XXX.XXX.XXX.XXX.
- G. From the Network and Sharing Center, double-click Local Area Connectio
- H. Select Properties > iPass Protocol (IEEE 802.1x) > Properties > Static IP.

**Answer:** B

#### NEW QUESTION 48

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

- A. negative static bag
- B. antistatic mat
- C. ESD wrist strap
- D. negative static mat
- E. antistatic bag
- F. latex gloves

**Answer:** BCE

#### NEW QUESTION 49

Which type of port is used to connect a laptop to an Ethernet port on a Cisco router?

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

**Answer:** C

#### NEW QUESTION 50

Which Xmodem option is used to enhance error checking of an image that is copied to flash memory?

- A. -e
- B. -r
- C. -c
- D. -x

**Answer:** C

#### NEW QUESTION 55

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