

➤ **Vendor: Cisco**➤ **Exam Code: 100-490**➤ **Exam Name: Supporting Cisco Routing & Switching Network Devices**➤ **New Updated Questions from [Braindump2go](#) (Updated in [July/2020](#))****Visit Braindump2go and Download Full Version 100-490 Exam Dumps****QUESTION 22**

Which IPv6 address is valid?

- A. 2001:0db8:0000:130F:0000:0000:08GC:140B
- B. 2001:0db8:0:130H::87C:140B
- C. 2031::130F::9C0:876A:130B
- D. 2031:0:130F::9C0:876A:130B

Answer: D**Explanation:**

An IPv6 address is represented as eight groups of four hexadecimal digits, each group representing 16 bits (two octets). The groups are separated by colons (:). An example of an IPv6 address is 2001:0db8:85a3:0000:0000:8a2e:0370:7334. The leading 0's in a group can be collapsed using ::, but this can only be done once in an IP address.

QUESTION 23

Which two statements about 1000BASE-T UTP cable are true? (Choose two)

- A. It use four wires
- B. It is most appropriate for installations up to 1000 feet in length
- C. It uses four wire pairs
- D. It is most appropriate for installations up to 1000 meters in length
- E. Both ends of the cable can transmit and receive simultaneously

Answer: CE**QUESTION 24**

Which command shows the status of power supplies and sensor temperatures?

- A. show hardware
- B. show module
- C. show environment
- D. show diag

Answer: C**QUESTION 25**

What are two standard fiber-optic connectors? (Choose two.)

- A. Lucent
- B. rollover

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- C. subscriber
- D. multidimension
- E. crossover

Answer: AC

QUESTION 26

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

QUESTION 27

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-hub
- D. router-to-router
- E. switch-to-server

Answer: BE

QUESTION 28

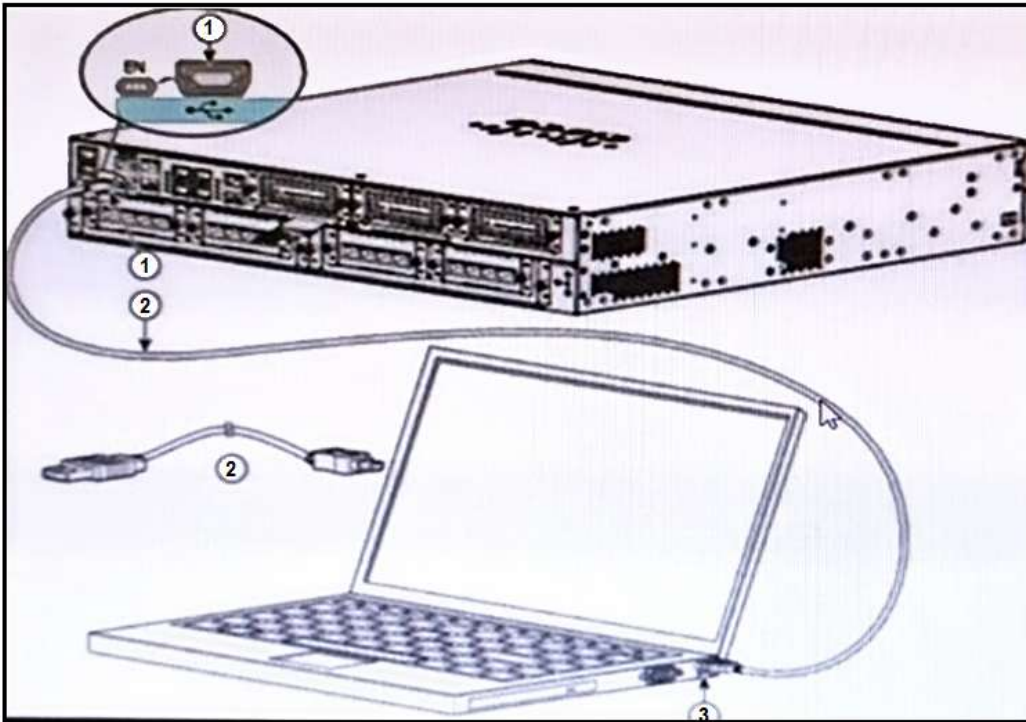
Which two features are associated with single-mode fiber-optic cable? (Choose two.)

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

Answer: AC

QUESTION 29

Refer to the exhibit. Which two statements about the hardware components are true? (Choose two.)



- A. 2 is an RJ-45 to USB Type A console cable.
- B. 3 is a USB Type A port.
- C. 3 is a USB 5-pin mini USB Type B port.
- D. 1 is a USB Type A port.
- E. 2 is a USB 5-pin mini USB Type B to USB Type A console cable.

Answer: BE

QUESTION 30

Which type of transceiver module is used for 40 Gigabit Ethernet connectivity?

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

Answer: C

QUESTION 31

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

QUESTION 32

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