

➤ **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 12

Which sequence begins a unique local IPv6 address in binary notation?

- A. 11111110
- B. 11111111
- C. 00000000
- D. 11111100

Answer: D

Explanation:

A IPv6 Unique Local Address is an IPv6 address in the block FC00::/7, which means that IPv6 Unique Local addresses begin with 7 bits with exact binary pattern as 1111 110 -> Answer B is correct.

Note: IPv6 Unique Local Address is the approximate IPv6 counterpart of the IPv4 private address. It is not routable on the global Internet.

QUESTION 13

Which two pins does an RJ-45 connector use to transmit data? (Choose two.)

- A. 1
- B. 2
- C. 3
- D. 4
- E. 6

Answer: AB

QUESTION 14

Which protocol does TFTP typically use for transport?

- A. RSVP
- B. TCP
- C. HTTP
- D. UDP

Answer: D

QUESTION 15

What is the correct IPv6 address notation?

- A. 2001:0DB8::/128
- B. 2001:0DB8:0::

[100-490 Exam Dumps](#) [100-490 Exam Questions](#) [100-490 PDF Dumps](#) [100-490 VCE Dumps](#)

<https://www.braindump2go.com/100-490.html>

- C. 2001:0DB8::1:1:1:1
- D. 2001:0DB8:130F:0000:0000:7000:0000:140B

Answer: D

QUESTION 16

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

QUESTION 17

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

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

Answer: C

QUESTION 18

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

QUESTION 19

What are two components of a WAN connection? (Choose two.)

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

Answer: AB

QUESTION 20

Which device is a DTE device?

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

Answer: B

QUESTION 21

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

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.