248. Identify the four valid IPv6 addresses. (Choose four.)

A. ::

B. ::192:168:0:1

C. 2000::

D. 2001:3452:4952:2837::

E. 2002:c0a8:101::42

F. 2003:dead:beef:4dad:23:46:bb:101

**Answer:** ABEF

36. Which two statements describe characteristics of IPv6 unicast addressing? (Choose two.)

A. Global addresses start with 2000::/3.

B. Link-local addresses start with FE00:/12.

C. Link-local addresses start with FF00::/10.

D. There is only one loopback address and it is ::1.

E. If a global address is assigned to an interface, then that is the only allowable address for the interface.

**Answer:** AD

38. Which two of these statements are true of IPv6 address representation? (Choose two.)

A. There are four types of IPv6 addresses: unicast, multicast, anycast, and broadcast.

B. A single interface may be assigned multiple IPv6 addresses of any type.

C. Every IPv6 interface contains at least one loopback address.

D. The first 64 bits represent the dynamically created interface ID.

E. Leading zeros in an IPv6 16 bit hexadecimal field are mandatory.

**Answer:** BC

247. What are three IPv6 transition mechanisms? (Choose three.)

A. 6to4 tunneling

B. VPN tunneling

C. GRE tunneling

D. ISATAP tunneling

E. PPP tunneling

F. Teredo tunneling

**Answer:** ADF

541. Which two are features of IPv6? (Choose two)

A. multicast

B. broadcast

C. allcast

D. podcast

E. anycast

**Answer:** AE

518. What are three features of the IPV6 protocol? (Choose three)

A. complicated header

B. plug-and-play

C. no broadcasts

D. checksums

E. optional IPsec

F. autoconfiguration

**Answer:** BCF

560. The network administrator has been asked to give reasons for moving from ipv4 to ipv6. What are two valid reasons for adopting ipv6 over ipv4? (Choose two)

A. telnet access does not require a password

B. nat

C. no broadcast

D. chanage of destination address in the ipv6 header

E. chanage of source address in the ipv6 header

F. autoconfiguration

**Answer:** CF

563. Which three approaches can be used while migrating from an IPV4 addressing scheme to an IPV6 scheme. (Choose three)

A. statically map IPV4 address to IPV6 addresses

B. configuration IPv4 tunnels between IPV6 islands

C. use DHCPv6 to map IPV4 addresses to IPV6 addresses

D. use proxying and translation to translate IPV6 packets into IPV4 packets

E. configure IPV6 directly

F. enable dual-stack routing

**Answer:** ABF

599. Which two data link layers are supported by cisco IOS software for IPv6? (Choose two)

A. PPP

B. FDDI

C. Frame Relay PVC

D. NBMA

E. Frame Relay SVC

**Answer:** AC

655. Which three are characteristics of an IPV6 anycast address? (Choose three)

A. any-to-many communication model

B. delivery of packets to the group interface that is closest to the sending device

C.one-to-many communication model

D. the same address for multiple devices in the group

E. one-to-nearest communication model

F. a unique IPV6 address for each device in the group

**Answer:** BDE