350-029 Q&As

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QUESTION 1

In the Cisco Resilient Ethernet Protocol (REP), how many ports are always blocking?

A. zero

B. at least one

C. at least two

D. at least four

E. at least three

Correct Answer: B

http://www.cisco.com/en/US/prod/collateral/switches/ps6568/ps6580/prod_white_paper0900aec d8 06ec6fa.pdf Cisco REP Operation With REP at least one port is always blocked in any given segment, that is, the alternate port.

QUESTION 2

There is MPLS VPN traffic traversing through a TE intermediate router. What is the MPLS packet label stack sequence (from outer to inner) for the VPN traffic on this router?

A. VPN label, IGP label, TE label

B. TE label, IGP label, VPN label

C. IGP label, VPN label, TE label

D. TE label, VPN label, IGP label

E. IGP label, TE label, VPN label

Correct Answer: B

QUESTION 3

Which two are characteristics of an IPv6 multicast address? (Choose two)

A. Is allocated from the unicast address space

B. Second octet contains a 4-bit multicast scope field

C. Starts with a prefix of FE80 to FEBF in hex

D. Last 64 bit contains the modified MAC address of the Ethernet interface

E. First (most significant) octet is FF in hex

F. Starts with a prefix of FECO to FEFF in hex

Correct Answer: BE

The 12000 uses virtual output queues to eliminate the Head of Line Blocking within the switch fabric.

IPv6 [edit]

Multicast addresses in IPv6 have the prefix `ff00::/8`. IPv6 multicast addresses are generally formed from four bt groups, illustrated as follows:

General multicast address format

Bits	8	4	4	112
Field	*prefix*	*flags*	*scope*	*group ID*

The *prefix* holds the binary value `11111111` for any multicast address. Currently, 3 of the 4 flag bits in the *flags* field are defined;[4] the most-significant flag bit three flags are known as *R*, *P* and *T*.

Multicast address flags[5]

Bit	Flag	0	1
0 (MSB)	(Reserved)	(Reserved)	(Reserved)
1	R (Rendezvous)[6]	Rendezvous point not embedded	Rendezvous pont embedded
2	P (Prefix)[7]	Without prefix information	Address based on network prefix
3 (LSB)	T (Transient)[8]	Well-known multicast address	Dynamically assigned multicast address

Similar to unicast addresses, the prefix of IPv6 multicast addresses specifies :heir scope, however, the set of possible scopes is different. The 4-l indicate where the address is valid and unique.

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QUESTION 4

Which statement about OSPF authentication is true?

A. To enable OSPF authentication in a network, OSPF area 0 authentication must be enabled first.

B. The payload of OSPFv3 packets contains no authentication information.

C. OSPFv3 supports Advanced Encryption Standard

D. OSPFv3 uses router ID as a key to encrypt OSPF hello packets.

E. OSPF MD5 authentication uses TCP, and Plan Test authentication uses UDP.

Correct Answer: B

QUESTION 5

In the context of MPLS Traffic engineering, TE path calculation is conducted by:

A. TE middle point

B. TE tail end

C. Independent server

D. All TE nodes along the path

E. TE head end

Correct Answer: E

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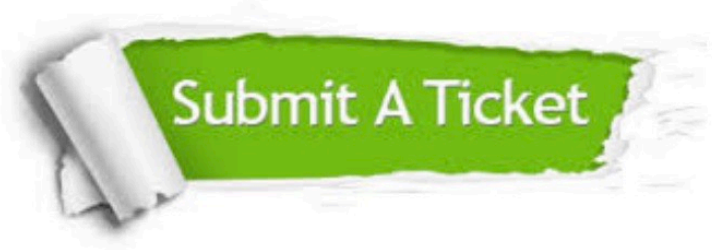

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