



**350-001**

**CCIE Routing and Switching Written Exam**

Q&A

DEMO Version

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**QUESTION 1**

What is the purpose of an explicit "deny any" statement at the end of an ACL?

- A. none, since it is implicit
- B. to enable Cisco IOS IPS to work properly; however, it is the deny all traffic entry that is actually required
- C. to enable Cisco IOS Firewall to work properly; however, it is the deny all traffic entry that is actually required
- D. to allow the log option to be used to log any matches
- E. to prevent sync flood attacks
- F. to prevent half-opened TCP connections

**Answer: D**

**QUESTION 2**

Which of these is mandatory when configuring Cisco IOS Firewall?

- A. Cisco IOS IPS enabled on the untrusted interface
- B. NBAR enabled to perform protocol discovery and deep packet inspection
- C. a route map to define the trusted outgoing traffic
- D. a route map to define the application inspection rules
- E. an inbound extended ACL applied to the untrusted interface

**Answer: E**

**QUESTION 3**

Which statement correctly describes the disabling of IP TTL propagation in an MPLS network?

- A. The TTL field from the IP packet is copied into the TTL field of the MPLS label header at the ingress edge LSR.
- B. TTL propagation cannot be disabled in an MPLS domain.
- C. TTL propagation is only disabled on the ingress edge LSR.
- D. The TTL field of the MPLS label header is set to 255.
- E. The TTL field of the IP packet is set to 0.

**Answer: D**

**QUESTION 4**

Two routers configured to run BGP have been connected to a firewall, one on the inside interface and one on the outside interface. BGP has been configured so the two routers should peer, including the correct BGP session endpoint addresses and the correct BGP session hop-count limit (EBGP multihop). What is a good first test to see if BGP will work across the firewall?

- A. Attempt to TELNET from the router connected to the inside of the firewall to the router connected to the outside of the firewall. If telnet works, BGP will work, since telnet and BGP both use TCP to transport data.
- B. Ping from the router connected to the inside interface of the firewall to the router connected to the outside interface of the firewall. If you can ping between them, BGP should work, since BGP uses IP to transport packets.
- C. There is no way to make BGP work across a firewall without special configuration, so there is no simple test that will show you if BGP will work or not, other than trying to start the peering session.
- D. There is no way to make BGP work across a firewall.

**Answer: A**

**QUESTION 5**

Spanning Tree Protocol IEEE 802.1s defines the ability to deploy which of these?

- A. one global STP instance for all VLANs
- B. one STP instance for each VLAN
- C. one STP instance per set of VLANs
- D. one STP instance per set of bridges

**Answer: C**

**QUESTION 6**

Which two of these are used in the selection of a root bridge in a network utilizing Spanning Tree Protocol IEEE 802.1D? (Choose two.)

- A. Designated Root Cost
- B. bridge ID priority
- C. max age
- D. bridge ID MAC address
- E. Designated Root Priority
- F. forward delay

**Answer: BD**

**QUESTION 7**

If a port configured with STP loop guard stops receiving BPDUs, the port will be put into which state?

- A. learning state
- B. listening state
- C. forwarding state
- D. root-inconsistent state

**Answer: D**

**QUESTION 8**

What is the purpose of the STP PortFast BPDU guard feature?

- A. enforce the placement of the root bridge in the network
- B. ensure that a port is transitioned to a forwarding state quickly if a BPDU is received
- C. enforce the borders of an STP domain
- D. ensure that any BPDUs received are forwarded into the STP domain

**Answer: A**

**QUESTION 9**

When STP UplinkFast is enabled on a switch utilizing the default bridge priority, what will the new bridge priority be changed to?

- A. 8192
- B. 16384
- C. 49152

D. 65535

**Answer: C**

**QUESTION 10**

Which of these best describes the actions taken when a VTP message is received on a switch configured with the VTP mode "transparent"?

- A. VTP updates are ignored and forwarded out all ports.
- B. VTP updates are ignored and forwarded out trunks only.
- C. VTP updates are made to the VLAN database and are forwarded out trunks only.
- D. VTP updates are ignored and are not forwarded.

**Answer: B**