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Vendor: Cisco

Exam Code: 200-101

Exam Name: Interconnecting Cisco Networking Devices Part 2 (ICND2)

Version: Demo

Question No : 1 - (Topic 1)

Refer to the exhibit.

```
Switch# show spanning-tree vlan 1
VLAN0001
  Spanning tree enabled protocol rstp
  Root ID    Priority    20481
             Address     0008.217a.5800
             Cost        38
             Port        1 (FastEthernet0/1)
             Hello Time   2 sec  Max Age 20 sec  Forward Delay 15 sec

  Bridge ID  Priority    32769  (priority 32768 sys-id-ext 1)
             Address     0008.205e.6600
             Hello Time   2 sec  Max Age 20 sec  Forward Delay 15 sec
             Aging Time 300


Interface        Role Sts Cost      Prio.Nbr Type
---------------- ---- --- --------- -------- --------------------------------
Fa0/1            Root FWD 19        128.1    P2p
Fa0/4            Desg FWD 38        128.1    P2p
Fa0/11           Altn BLK 57        128.1    P2p
Fa0/13           Desg FWD 38        128.1    P2p
```

Why has this switch not been elected the root bridge for VLAN1?

A. It has more than one interface that is connected to the root network segment.

B. It is running RSTP while the elected root bridge is running 802.1d spanning tree.

C. It has a higher MAC address than the elected root bridge.

D. It has a higher bridge ID than the elected root bridge.
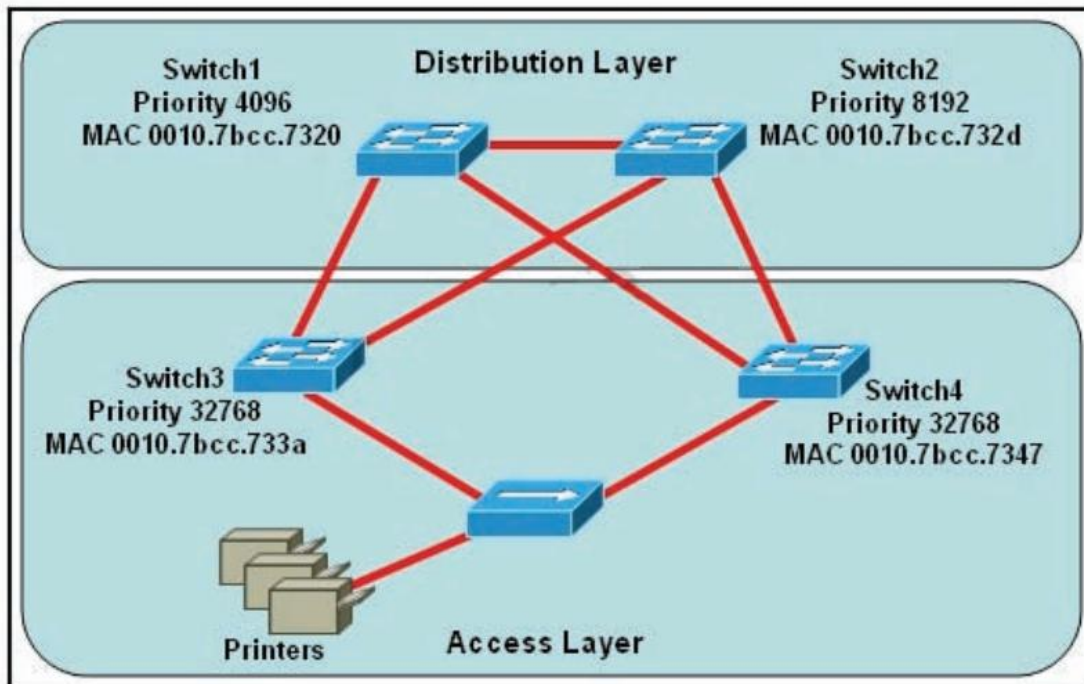
Answer: D

Question No : 2 - (Topic 1)

Refer to the exhibit.

Which switch provides the spanning-tree designated port role for the network segment that services the printers?

A. Switch1

B. Switch2

C. Switch3

D. Switch4

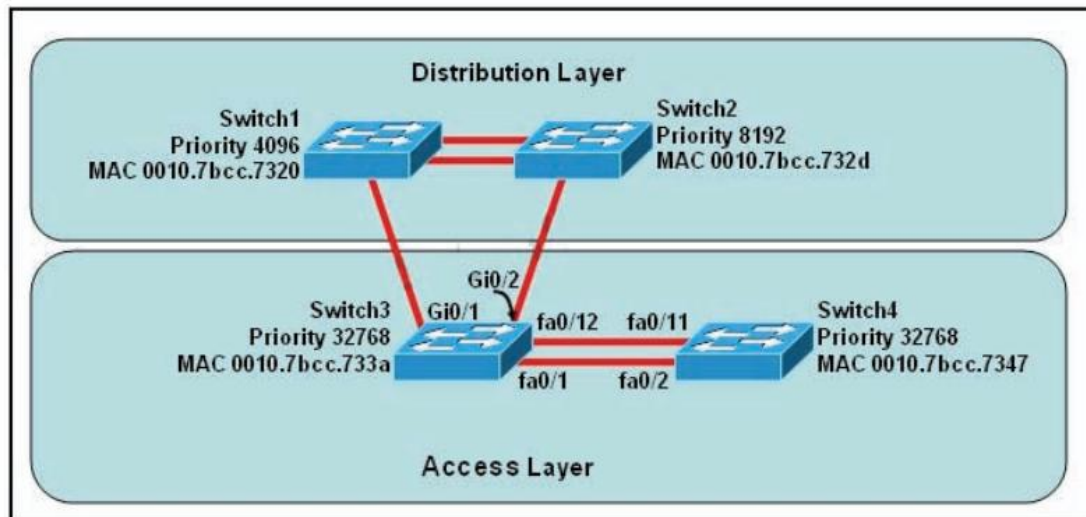**Answer:** C

Question No : 3 DRAG DROP - (Topic 1)

Refer to the exhibit.

At the end of an RSTP election process, which access layer switch port will assume the discarding role?

A. Switch3, port fa0/1

B. Switch3, port fa0/12

C. Switch4, port fa0/11

D. Switch4, port fa0/2

E. Switch3, port Gi0/1

F. Switch3, port Gi0/2

Answer: C

Question No : 4 - (Topic 1)

Refer to the exhibit.

```
Switch# show spanning-tree interface fastethernet 0/10
Vlan            Role Sts Cost      Prio.Nbr Type
--------------- ---- --- --------- -------- --------------------------
VLAN0001        Root FWD 19        128.1    P2p
VLAN0002        Altn BLK 19        128.2    P2p
VLAN0003        Root FWD 19        128.2    P2p
```

Given the output shown from this Cisco Catalyst 2950, what is the reason that interface FastEthernet 0/10 is not the root port for VLAN 2?

A. This switch has more than one interface connected to the root network segment in VLAN 2.

B. This switch is running RSTP while the elected designated switch is running 802.1d Spanning Tree.

C. This switch interface has a higher path cost to the root bridge than another in the topology.

D. This switch has a lower bridge ID for VLAN 2 than the elected designated switch.

Answer: C

Question No : 5 - (Topic 1)

Which two of these statements regarding RSTP are correct? (Choose two.)

A. RSTP cannot operate with PVST+.

B. RSTP defines new port roles.

C. RSTP defines no new port states.

D. RSTP is a proprietary implementation of IEEE 802.1D STP.

E. RSTP is compatible with the original IEEE 802.1D STP.

Answer: B, E

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