642-811

Building Cisco Multilayer Switched Networks
(BCMSN)

DEMO

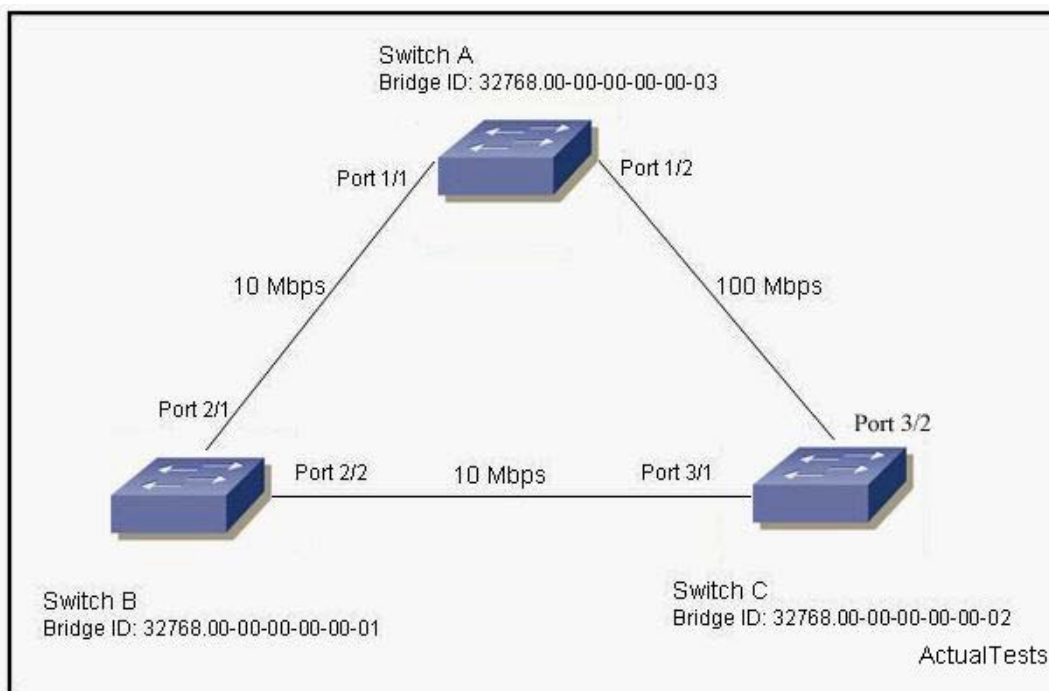https://www.islever.com/642-811.html
https://www.islever.com/cisco.html

QUESTION NO: 1

Given the network configuration above and assuming that STP is enabled, which port will be elected the non-designated port?

A. Port 2/2
B. Port 1/1
C. Port 3/2
D. Port 2/1
E. Port 1/2
F. Port 3/1

Answer: E

QUESTION NO: 2

Based on the show spanning-tree vlan 200 output shown in the exhibit, which two statements about the STP process for VLAN 200 are true? (Choose two.)

```
Switch#show spanning-tree vlan 200

VLAN0200
  Spanning tree enabled protocol ieee
  Root ID        Priority       32968
                 Address        000c.ce29.ef00
                 Cost           19
                 Port           2 (FastEthernet0/2)
                 Hello Time     10 sec   Max Age 20 sec   Forward Delay 30 sec

  Bridge ID      Priority       32968 (priority 32768 sys-id-ext 200)
                 Address        000c.ce2a.4180
                 Hello Time     2 sec    Max Age 20 sec  Forward Delay 15 sec
                 Aging Time 300

Interface              Role Sts Cost        Prio.Nbr Type


Fa0/2                  Root FWD 19          128.2    P2p
Fa0/3                  Altn BLK 19          128.3    P2p           ActualTests
```
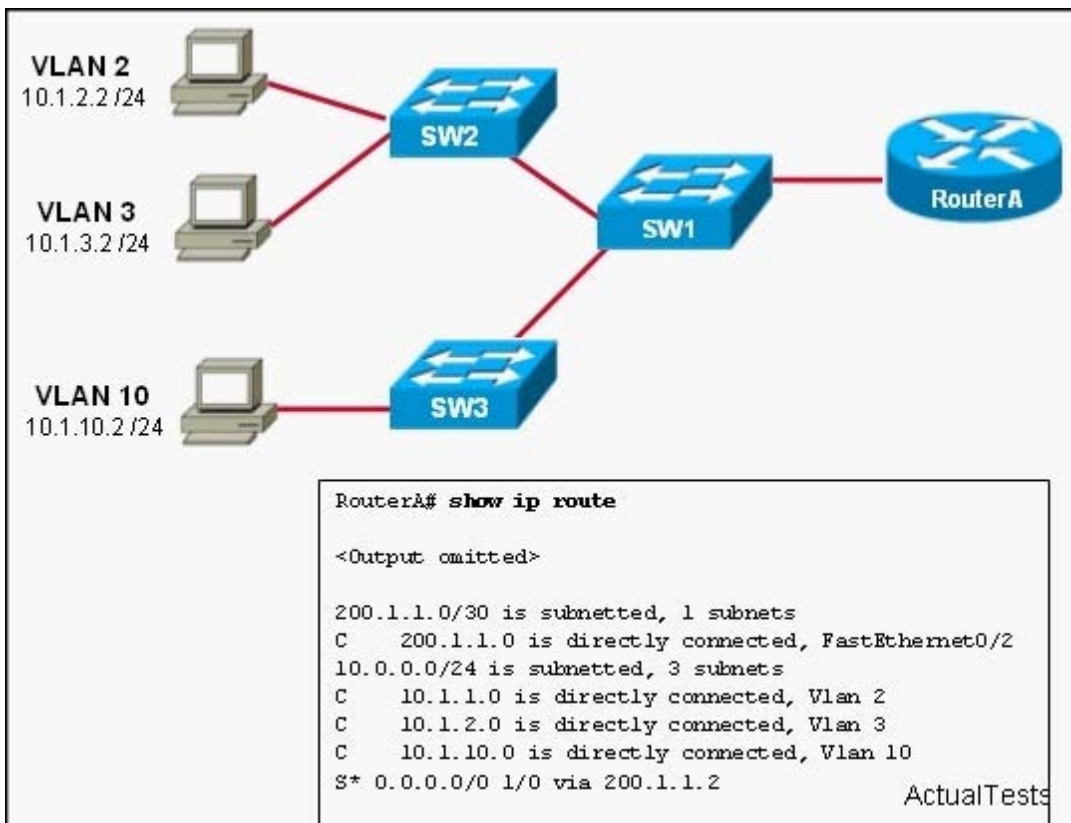
A. The time spent in the learning state will be 15 seconds.

B. BPDUs will be sent out every two seconds.

C. The time spent in the listening state will be 30 seconds.

D. This switch is the root bridge for VLAN 200.

E. The maximum length of time that the BPDU information will be saved is 30 seconds.

F. BPDUs will be sent out every 10 seconds.

Answer: C,F

QUESTION NO: 3

Refer to the exhibit. The network administrator has configured router R1 to provide interVLAN routing between the various subnets on the network. Based on the output provided by the show ip route command, what statement is true?


```
RouterA# show ip route

<Output omitted>

200.1.1.0/30 is subnetted, 1 subnets
C    200.1.1.0 is directly connected, FastEthernet0/2
10.0.0.0/24 is subnetted, 3 subnets
C    10.1.1.0 is directly connected, Vlan 2
C    10.1.2.0 is directly connected, Vlan 3
C    10.1.10.0 is directly connected, Vlan 10
S* 0.0.0.0/0 1/0 via 200.1.1.2
                                              ActualTests
```

A. Users will have full access to the Internet but will not be able to communicate with each other.

B. Users on all VLANs can communicate with each other and access the Internet.

C. Users can access all the resources on the network but cannot browse the Internet.

D. Because of the missing routing protocol, none of the VLANs can route traffic.

Answer: B

QUESTION NO: 4

Refer to the exhibit. A network engineer is trying to connect to the console port of Sw2. What authentication process will the switch go through?

```
Sw2#show running-config

<output omitted>

enable secret 5 $1$9Gvy$UaTf1ugtlO3zgvSXa9PSd1
!
username root password 0 ALongPassword
aaa new-model
!
aaa authentication login Smartport group tacacs+ local
!
tacacs-server host 172.31.255.1
tacacs-server key goaway
!
line con 0                              ActualTests
login authentication Smartport
```

A. The switch will attempt to authenticate using the enable secret password. If this fails, the switch will contact the TACACS+ server. If the TACACS+ server is unreachable, the switch will use the passwordgoaway.

B. Authentication will fail because an IP address has not been specified for theSmartPort database.

C. The switch will contact theSmartPort database. If the SmartPort database is unreachable, the switch will contact the TACACS+ server. If the TACACS+ server is unreachable, the switch will use the enable secret password.

D. The switch will contact the TACACS+ server. If the TACACS+ server is unreachable, the switch will use the local database.

E. Authentication will fail becauseSmartPort has not been enabled.

F. The switch will contact theSmartPort database. If the SmartPort database is unreachable, the switch will contact the TACACS+ server. If the TACACS+ server is unreachable, the switch will use the local database.