642-067

Advanced Routing and Switching for Field Engineers

DEMO

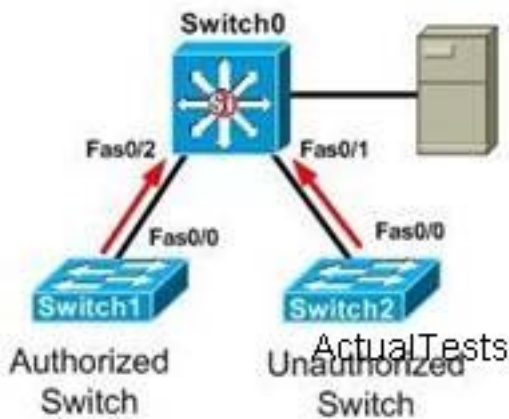**QUESTION NO: 1**

Refer to the exhibit. Which Catalyst switch configuration would protect a customer network from possible disruption in the case in which an unauthorized switch is added to the network?

A. Switch0#show running-configuration

!

hostname Switch0

!

no spanning-tree optimize bpdu transmission

spanning-tree extend system-id

!

interface FastEthernet0/1

switchport protected

!

B. Switch0#show running-configuration

!

hostname Switch0

!

spanning-tree portfast bpduguard default

no spanning-tree optimize bpdu transmission

spanning-tree extend system-id

!

interface FastEthernet0/1

spanning-tree guard root

!

C. Switch0#show running-configuration

!

hostname Switch0

!

no spanning-tree optimize bpdu transmission

spanning-tree extend system-id

!

interface FastEthernet0/1 switchport mode access

!

D. Switch0#show running-configuration

!

hostname Switch0

!

no spanning-tree optimize bpdu transmission

spanning-tree extend system-id

!

interface FastEthernet0/1

switchport port-security violation restrict

i

Answer: B

QUESTION NO: 2

While troubleshooting a network outage, you discover that an employee brought a switch from home into the office to connect additional equipment to the network. In order to increase his speed, he connected this switch to both network ports in his office, resulting in a bridge loop. Which of these can you implement to prevent future occurrences of this issue?

A. RSTP
B. root guard
C. BPDU guard
D. GLBP

Answer: C

QUESTION NO: 3

Refer to the exhibit. For the given configuration, on packets leaving the router on interface FastEthernet0/0 that matches the high traffic class, what will the MPLS experimental bit be set to?

```
policy-map high-priority
  class high
    set ip dscp 46
    set mpls experimental 4
policy-map low-priority
  class high
    set ip dscp 46
    set mpls experimental 3
policy-map mid-priority
  class high
    set ip dscp 46
    set mpls experimental 2

interface Loopback0
 ip address 10.100.2.1 255.255.255.0
 !
interface FastEthernet0/0
 ip address 10.10.1.2 255.255.255.0
 service-policy output low-priority
 service-policy input mid-priority
```

A. 0
B. 1
C. 2
D. 3
E. 4
F- 5

Answer: D

QUESTION NO: 4

Which tool allows a LAN client to determine which router should be the first hop to a particular remote destination, allowing simplified client configuration and processing without creating a single point of failure?

A. ProxyARP
B. Dynamic Routing Protocol
C. IRDP
D. VRRP

Answer: D