



# 200-301<sup>Q&As</sup>

Implementing and Administering Cisco Solutions (CCNA) (Include Newest Simulation Labs)

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**QUESTION 1**

Refer to the exhibit.

```
R1#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2 * - candidate
       default
       U - per-user static route, o - ODR
Gateway of last resort is not set
C    192.168.3.5 is directly connected, Loopback0
     10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
O     10.0.1.3/32 [110/100] via 192.168.0.40, 00:39:08, Serial0
C     10.0.1.0/24 is directly connected, Serial0
O     10.0.1.190/32 [110/5] via 192.168.0.35, 00:39:08, Serial0
O     10.0.1.0/24 [110/10] via 192.168.0.4, 00:39:08, Gigabit Ethernet 0/0
D     10.0.1.0/28 [90/10] via 192.168.0.7, 00:39:08, Gigabit Ethernet 0/0
```

Traffic sourced from the loopback0 interface is trying to connect via ssh to the host at 10.0.1.15. What is the next hop to the destination address?

- A. 192.168.0.7
- B. 192.168.0.4
- C. 192.168.0.40
- D. 192.168.3.5

Correct Answer: B

**QUESTION 2**

How does WPA3 improve security?

- A. It uses SAE for authentication.
- B. It uses a 4-way handshake for authentication.
- C. It uses RC4 for encryption.
- D. It uses TKIP for encryption.

Correct Answer: A



### QUESTION 3

Which two actions are taken as the result of traffic policing? (Choose two.)

- A. bursting
- B. dropping
- C. remarking
- D. fragmentation
- E. buffering

Correct Answer: BC

Traffic policing propagates bursts. When the traffic rate reaches the configured maximum rate, excess traffic is dropped (or remarked). The result is an output rate that appears as a saw-tooth with crests and troughs. In contrast to policing, traffic shaping retains excess packets in a queue and then schedules the excess for later transmission over increments of time. The result of traffic shaping is a smoothed packet output rate.

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### QUESTION 4

Which port state processes BPDUs, but does not forward packets or update the address database in Rapid PVST+?

- A. blocking
- B. learning
- C. listening
- D. disabled

Correct Answer: A

Blocking State

A LAN port in the blocking state does not participate in frame forwarding.

A LAN port in the blocking state performs as follows:

Discards frames received from the attached segment.

Discards frames switched from another port for forwarding.

Does not incorporate the end station location into its address database. (There is no learning on a blocking LAN port, so there is no address database update.)

Receives BPDUs and directs them to the system module.

Receives, processes, and transmits BPDUs received from the system module.

Receives and responds to network management messages.



## QUESTION 5

### DRAG DROP

Drag and drop the characteristics of a cloud environment from the left onto the correct examples on the right.

Select and Place:

switchport mode access

1

switchport port-security

2

switchportport-security mac-  
address0060. 3EDD. 77ab

3

switchportport-security mac-  
address00D0. D3ED. 622A

4

switchport port-security mac  
address sticky

switchport port-security  
maximum 2

switchport port-security  
violation shutdown

Correct Answer:



```
switchport mode access
```

```
switchport port-security
```

```
switchport port-security mac  
address sticky
```

```
switchportport-security mac-  
address0060. 3EDD. 77ab
```

```
switchport port-security  
maximum 2
```

```
switchportport-security mac-  
address00D0. D3ED. 622A
```

```
switchport port-security  
violation shutdown
```

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