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**Exam** : **640-878**

**Title** : Building Cisco Service Provider  
Next-Generation Networks,  
Part 2

**Vendor** : Cisco

**Version** : DEMO

NO.1 On the Cisco ME 3400 switch, spanning tree is enabled by default on which type of switch port?

- A. UNI
- B. ENI
- C. NNI
- D. ENI and NNI
- E. UNI, ENI, and NNI

**Answer:** C

Explanation:

[http://www.cisco.com/en/US/docs/switches/metro/me3400/software/release/12.2\\_25\\_seg\\_seg1/c\\_onfiguration/guide/swstpopt.html#wp1002608](http://www.cisco.com/en/US/docs/switches/metro/me3400/software/release/12.2_25_seg_seg1/c_onfiguration/guide/swstpopt.html#wp1002608)

NO.2 Which commands will configure the spanning tree operating mode that can group multiple VLANs in a single domain?

- A. switch(config)#spanning-tree mode pvst
- B. switch(config)#spanning-tree mode rstp
- C. switch(config)#spanning-tree mode rapid-pvst
- D. switch(config)#spanning-tree mode mst
- E. switch(config)#spanning-tree mode mst-plus

**Answer:** D

NO.3 Which Cisco router platform supports running either the Cisco IOS or IOS XR operating system?

- A. Cisco CRS
- B. Cisco ASR9k
- C. Cisco ASR1K
- D. Cisco ISR-G2
- E. Cisco 12000 GSR

**Answer:** E

Explanation:

Explanation/Reference: The CRS-1 platform natively runs the IOS XR operating system. The c12000 platform, originally being an IOS router, can be upgraded to run IOS XR. However, c12000 hardware, including line cards (LC) as well as route processors (RP), must be checked for XR compliance. TURBOBOOT refers to a fresh boot of the router from ROMMON. TURBOBOOT is required if an IOS router is being converted to IOS XR or as a last resort disaster recovery in the case of CRS-1. If the router is already running an IOS XR image, there is no need to TURBOBOOT the router for an upgrade or downgrade. Later sections in this chapter address the upgrade scenario. This section deals with a fresh boot of the router from ROMMON. A new c12000 platform can be ordered prebaked as an IOS XR router; however, there will always be cases where an IOS running c12000 needs to install IOS XR.

NO.4 DRAG DROP

Drag and drop the routing characteristics on the left to the correct routing category on the right. Not all options on the left are used.

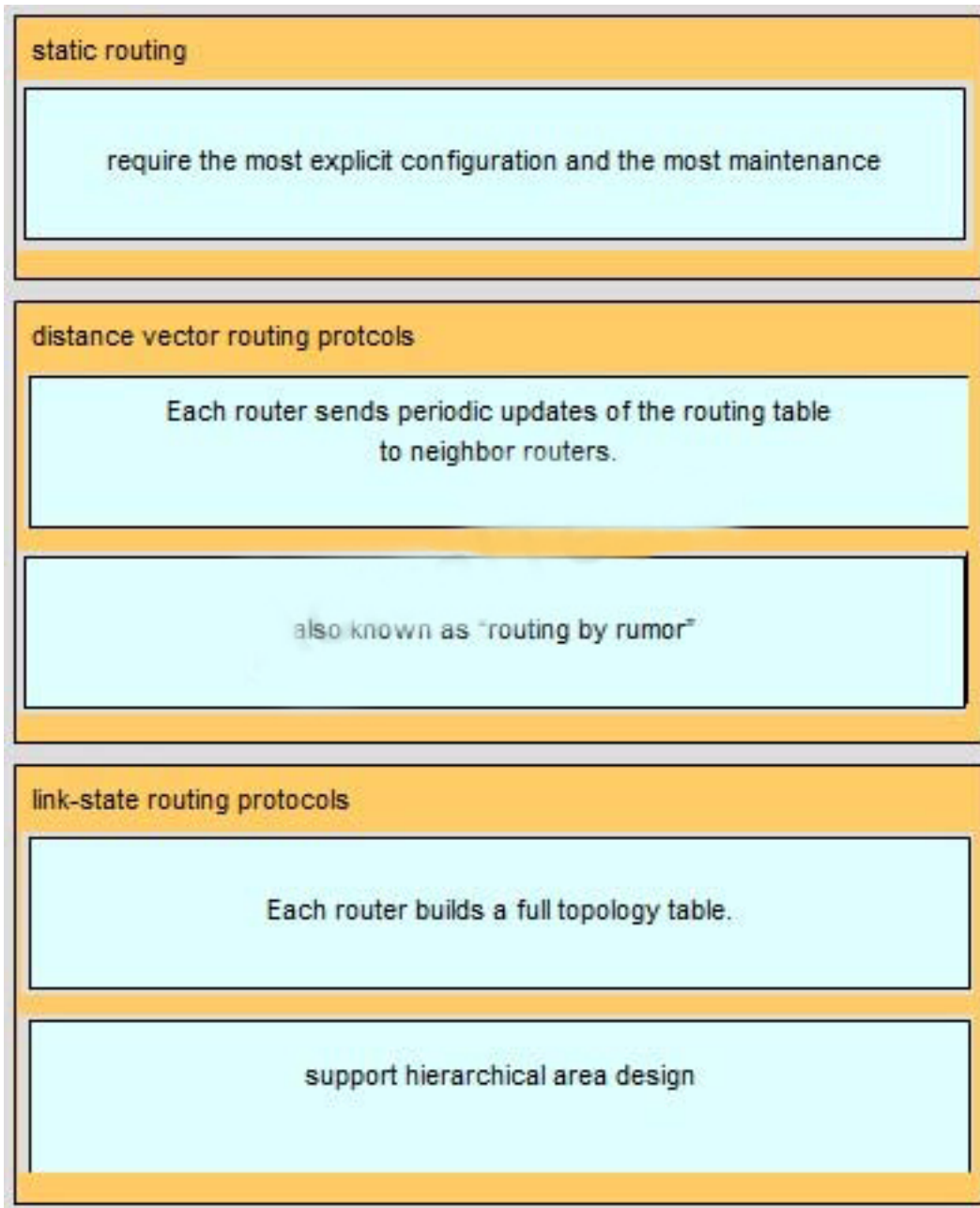
Each router builds a full topology table.	static routing
Each router sends periodic updates of the routing table to neighbor routers.	
support hierarchical area design	distance vector routing protocols
require the most explicit configuration and the most maintenance	
also known as "routing by rumor"	link-state routing protocols
use attributes like local preference, weight, and so forth to determine the best path	
support multiprotocols including VPNv4	
use for interdomain routing	

**Answer:**

Drag and drop the routing characteristics on the left to the correct routing category on the right. Not all options on the left are used.

Each router builds a full topology table.	static routing
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use attributes like local preference, weight, and so forth to determine the best path	link-state routing protocols
support multiprotocols including VPNv4	Each router builds a full topology table.
use for interdomain routing	support hierarchical area design

**Explanation:**



NO.5 Which Cisco IOS-XR command is used to unpack a package on the local router?

- A. install boot
- B. install commit
- C. install add
- D. install package

**Answer:** C

NO.6 Refer to the configuration example exhibit.

```
S1(config)# interface f0/1
S1(config-if)# switchport access vlan 118
S1(config-if)# switchport mode dot1q-tunnel
S1(config-if)# interface f0/3
S1(config-if)#switchport access vlan 209
S1(config-if)# switchport mode dot1q-tunnel
```

Which statement is true?

- A. A trunk port has been created and VLAN has been allowed.
- B. An access port has been created on a UNI.
- C. A customer VLAN of 209 is configured.
- D. A QinQ VLAN of 118 is configured.

**Answer:** D

Explanation:

Explanation/Reference:

<http://www.cisco.com/en/US/docs/switches/lan/catalyst4500/12.2/54sg/configuration/guide/tunnel.html#wp1026594>

NO.7 Which three statements about access control lists on a Cisco IOS router are true? (Choose three)

- A. The more specific ACL entries should be placed at the top of the ACL.
- B. The generic ACL entries should be placed at the top of the ACL, to filter general traffic and reduce noise on the network.
- C. ACLs always search for the most specific entry before taking any filtering action.
- D. Router-generated packets cannot be filtered by the interface ACLs on the router.
- E. Extended ACLs should be placed as close to the destination as possible.
- F. There must be at least one permit statement in an ACL, or all traffic is denied.

**Answer:** A,D,F

NO.8 Which Cisco IOS access list permits HTTP traffic that is sourced from host 10.1.129.100 port 3030 and that is destined to host 192.168.1.10?

- A. access-list 101 permit tcp any eq 3030
- B. access-list 101 permit tcp 10.1.128.0 0.0.1.255 eq 3030 192.168.1.0 0.0.0.15 eq www
- C. access-list 101 permit tcp 10.1.129.0 0.0.0.255 eq www 192.168.1.10 0.0.0.0 eq www
- D. access-list 101 permit tcp host 192.168.1.10 eq 80 10.1.0.0 0.0.255.255 eq 3030
- E. access-list 101 permit tcp 192.168.1.10 0.0.0.0 eq 80 10.1.0.0 0.0.255.255
- F. access-list 101 permit ip host 10.1.129.100 eq 3030 host 192.168.1.100 eq 80

**Answer:** B

NO.9 After configuring Q-in-Q on a new interface, the customer has requested that the IOS version and remote model also be viewable via the trunk. What additional command would need to be applied to both sides of the Q-in-Q trunk?

- A. l2protocol-tunnel cdp
- B. l2protocol-tunnel stp
- C. l2protocol-tunnel vtp
- D. l2protocol-tunnel lldp
- E. l2protocol-tunnel odr

**Answer: A**

NO.10 Which spanning-tree mode uses the name command to configure a region name?

- A. MST
- B. PVST+
- C. PVRST+
- D. RSTP

**Answer: A**