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QUESTION & ANSWER



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

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

**Version** : Demo

1.Which spanning-tree mode can be used to map several VLANs to a single spanning-tree instance?

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

**Answer: A**

2.Which spanning-tree mode uses the name command to configure a region name.?

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

**Answer: A**

3.Which procedure is used as the last resort disaster recovery procedure to completely replace the currently installed IOS XR software on Cisco IOS XR routers?

- A. netboot
- B. turboboot
- C. install recovery
- D. install rollback
- E. install add and install activate

**Answer: B**

4.Which file extension indicates a bootable installation file in Cisco IOS XR software?

- A. .bin
- B. .tar
- C. .smu
- D. .pie
- E. .vm
- F. .mini

**Answer: E**

5.When configuring an ACL entry, which network and wildcard mask matches only IP addresses 10.8.144.0 to 10.8.151.255?

- A. 10.8.144.0 0.0.3.255
- B. 10.8.144.0 0.0.7.255
- C. 10.8.144.0 0.0.15.255
- D. 10.8.144.0 0.0.252.255
- E. 10.8.144.0 0.0.248.255
- F. 10.8.144.0 0.0.240.255

**Answer: B**

6.Which IP addresses are matched by the permit 192.168.80.64 0.0.0.15 access-list entry?

- A. 192.168.80.64 to 192.168.80.255

- B. 192.168.80.64 to 192.168.80.96
- C. 192.168.80.64 to 192.168.80.95
- D. 192.168.80.64 to 192.168.80.80
- E. 192.168.80.64 to 192.168.80.79

**Answer:** E

7.Which two statements about NAT444 are true? (Choose two.)

- A. NAT444 packets are translated three times.
- B. NAT packets traverse three IPv4 addressing domains.
- C. NAT444 needs to work together with DNS64.
- D. There are two types of NAT444 (stateful or stateless).
- E. NAT is performed by the CPE and also by the service provider router.

**Answer:** B,E

8.Refer to the exhibit.

```
ipv4 access-list FILTER
10 permit tcp any 192.168.15.32 0.0.0.15 eq www
20 deny ipv4 any 192.168.15.32 0.0.0.15
30 permit ipv4 any any
```

The access list has been configured on the Gi0/0/0/0 interface in the inbound direction. Which four packets that are sourced from 10.1.1.1 TCP port 1060, if they are routed to the Gi0/0/0/0 interface, will be permitted? (Choose four)

- A. destination IP address: 192.168.15.37, destination TCP port: 8080
- B. destination IP address: 192.168.15.41, destination TCP port: 8080
- C. destination IP address: 192.168.15.49, destination TCP port: 8080
- D. destination IP address: 192.168.15.36, destination TCP port: 80
- E. destination IP address: 192.168.15.46, destination TCP port: 80
- F. destination IP address: 192.168.15.49, destination TCP port: 80

**Answer:** C,D,E,F

9.Which two statements about NAT64 are true? (Choose two.)

- A. NAT64 packets traverse two IPv4 addressing domains.
- B. NAT64 packets are translated two times.
- C. There are two types of NAT64 (stateful or stateless).
- D. NAT is performed by the CPE and also by the service provider edge router.
- E. The DNS64 server embeds the IPv4 address from the DNS A record with a preconfigured IPv6 translation prefix.

**Answer:** C,E

10.Refer to the exhibit.

```
ipv4 access-list FILTER
10 deny tcp any 10.10.192.0 0.0.3.255 eq telnet
20 permit ipv4 any 10.10.192.0 0.0.3.255
30 deny ipv4 any any
```

The access list has been configured on the Gi0/0/0/0 interface in the inbound direction. Which two packets that are sourced from 172.16.1.1 TCP port 1050, if they are routed to the Gi0/0/0/0 interface, will be permitted? (Choose two)

- A. destination IP address: 10.10.192.201, destination TCP port: 80
- B. destination IP address: 10.10.193.255, destination TCP port: 80
- C. destination IP address: 10.10.196.1, destination TCP port: 80
- D. destination IP address: 10.10.195.254, destination TCP port: 23
- E. destination IP address: 10.10.193.145, destination TCP port: 23
- F. destination IP address: 10.10.197.32, destination TCP port: 23

**Answer:** A,B

11. Which first-hop router redundancy protocol uses the active virtual gateway to assign a virtual MAC address to the active virtual forwarders?

- A. HSRP
- B. VRRP
- C. GLBP
- D. FHRP

**Answer:** C

12. Which two statements about the BGP weight attribute on Cisco routers are true? (Choose two.)

- A. It is a well-known discretionary attribute.
- B. It is only locally significant.
- C. Routes with higher weight are the preferred routes.
- D. It is used to influence the inbound traffic from the upstream AS.
- E. It is set to 100 by default.

**Answer:** B,C

13. Which BGP attribute is also used for loop prevention?

- A. weight
- B. local preference
- C. MED
- D. AS path

**Answer:** D

14. The permit 172.16.32.0 0.0.15.255 access-list entry permits exactly which IP address range?

- A. 172.16.32.0 to 172.16.47.255
- B. 172.16.32.0 to 172.16.48.255
- C. 172.16.32.0 to 172.16.62.255

- D. 172.16.32.0 to 172.16.63.255
- E. 172.16.32.0 to 172.16.64.255
- F. 172.16.32.0 to 172.16.255.255

**Answer: A**

15. 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**