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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