Exam Code: 642-055

Exam Name: Routing and Switching Support for Field

Engineers (ARSFE)

Vendor: CISCO

Version: DEMO

Part: A

1: Which three of these items are IPv6 transition mechanisms? (Choose three.)
A.NATv6
B.PATv6
C.ISATAP
D.automatic 4to6 relay tunnels
E.dual stack configurations
F.manually configured overlay tunnels
Correct Answers: C E F

2: Refer to the exhibit. You are migrating a network from IGRP to OSPF. What must you do to ensure that connectivity and reachability of all networks is maintained between routing protocols when OSPF has the longer subnet mask?
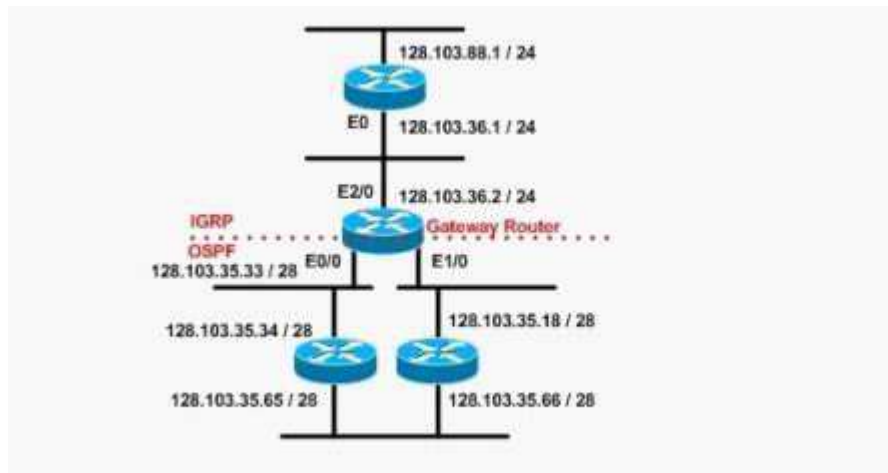
A.Use the default metric of 1.
B.This scenario should not present any reachability problems if the autonomous systems are the same.
C.Add multiple static routes in the gateway router pointing to the OSPF network.
D.Add a static route in the gateway router for 128.103.35.0/24 pointing to null0.
Correct Answers: D

3: Your customer wants to build a network for a financial trading floor that has a requirement for multiple high-value transactions, which are also vital to the customer. What are the two most critical requirements? (Choose two.)
A.no single point of failure
B.trading database server location
C.redundant application servers location
D.deterministic response to all failures
E.determine which protocol to use
Correct Answers: A D

4: Which of these tools should you use to compress VoIP packets on a low-speed Frame Relay

circuit?

A.RTP header compression

B.TCP header compression

C.FRF.9 payload compression

D.Predictor payload compression

E.Cisco proprietary payload compression

Correct Answers: A

5: Referring to the debug output shown below, which one of the statements is correct?

```
R1# debug ipv6 icmp
ICMPv6: Sending echo request to 2001:DB8:C18:1::D0C
ICMPv6: Received ICMPv6 packet from 2001:DB8:C18:1::D0C, type 129
ICMPv6: Received ICMPv6 packet from FE80::260:3EFF:FE47:1530, type 134
```

A.FE80::260:3EFF:FE47:1530 is the site-local address of R1.

B.2001:DB8:C18:1::D0C is a link-local address.

C.The last ICMP message received is a router advertisement message.

D.The type 129 ICMP echo reply message indicates an MTU error.

E.The type 129 message is an ICMP redirect message.

Correct Answers: C

6: You are working with a client to deploy QoS on their Frame Relay WAN. They would like to be able to allow packets to cross the Frame Relay WAN but have them marked as discard eligible if they exceed the QoS policy. How would you accomplish this task?

A.Configure a service policy that sets the DE bit and apply it to the serial interface connected to the Frame Relay WAN.

B.Configure a policy map that has a burst-max action of setting the DE bit if the policy is exceeded.

C.Configure a class map that sets the DE bit so that the policy map can correctly apply a violate-action if the policy is exceeded.

D.Configure a policy map that has a violate-action to change the DE bit from 0 to 1.

Correct Answers: D

7: Refer to the exhibit. You are troubleshooting a high availability network that is having longer-than-acceptable failover times. What command will have the most significant impact in this problem?

```
...
ip multicast-routing !Enable IP multicast routing|
!
interface loopback 1
   description One Loopback address for this routers Sparse
Mode RP function
    ip address 10.0.2.1. 255.255.255.0
    ip pim sparse-dense-mode
...
```

A.pim query-interval 1 sec

B.ip pim query-interval 100 msec

C.ip query pim-interval 10 msec

D.pim query-interval 100 msec

Correct Answers: B

8: Refer to the exhibit. Which two configuration changes will result in Router_A peering with neighbor Router_B using address 192.168.1.2? (Choose two.)

A.Use the no synchronization command to allow the neighbor relationship to be established without an IGP route.

B.Use the neighbor ebgp-multihop command to override the one-hop EBGP limit.

C.Use a route reflector to allow the routes to be propagated correctly.

D.Use the neighbor next-hop-self command to allow the routers to peer using their loopback addresses instead of their directly connected addresses.

E.Use a confederation to make Router_A and Router_B appear to be IBGP neighbors.

F.Configure Router_A and Router_B in the same AS.

Correct Answers: B F

9: Refer to the exhibit. You have a Cisco router directly connected to a non-Cisco router via a leased T1 line. The service provider has validated that the T1 is operational. What should be completed for communications between routers to commence?

A.Reload both routers.

B.Reset the interface on both routers.

C.Enable Frame Relay on both routers.

D.Enable PPP encapsulation on both routers.

E.Configure a routing protocol on both routers.

Correct Answers: D

10: Refer to the exhibit. You have a Cisco router and a non-Cisco router directly connected to a service provider cloud. You want to set up dual connectivity into the corporate network. Which protocol must you configure?

A.Hot Standby Router Protocol

B.Gateway Load Balancing Protocol

C.Virtual Router Redundancy Protocol

D.Multigroup Hot Standby Router Protocol

Correct Answers: C

11: With a VPN Accelerator Module 2+ (VAM2+) installed in a Cisco 7200 series router, what will be the resulting action when entering the command no crypto engine accelerator slot number?

A.removes the VAM2+ crypto engine feature and disables the associated configuration commands from the router

B.disables the crypto engine hardware acceleration, resulting in all crypto functions to be performed in software

C.disables dual VAM2+ hardware stateful failover capabilities

D.disables OIR on the VAM2+ module

Correct Answers: D

12: Refer to the exhibit. In analyzing the configuration of the router, which three of these statements are correct? (Choose three.)
A.Neighbor 172.16.32.14 will receive VPNv4 routes.
B.Neighbor 172.16.32.15 will receive Internet routes.
C.Neighbor 172.16.32.15 will receive VPNv4 routes.
D.Neighbor 172.16.32.27 will receive VPNv4 routes.
E.Neighbor 172.16.32.27 will receive Internet routes.
F.Neighbor 172.16.32.14 will receive both VPNv4 and Internet routes.
Correct Answers: C D E

13: Refer to the exhibit. Which show command would be used to display NBAR classified traffic on interface FastEthernet0/1?
A.show int fa 0/1 nbar
B.show int fa 0/1 policy-map
C.show policy-map int fa 0/1
D.show ip nbar protocol-discovery
Correct Answers: D

14: Which command displays only those entries in a BGP table with specific AS_PATH attributes?
A.show ip bgp regexp
B.show ip bgp paths
C.show ip bgp community-list
D.show ip bgp inconsistent-as
Correct Answers: A

15: When an IP packet is Layer 3-switched from a source in one VLAN to a destination in another VLAN, which field in a packet will be rewritten?
A.Layer 2 TTL
B.Layer 3 TTL
C.Layer 3 source address
D.Layer 3 transport protocol
E.Layer 3 destination address
Correct Answers: B