Cisco

Exam 644-906

Implementing and Maintaining Cisco Technologies Using IOS XR

Verson: Demo

[Total Questions: 10]

Question No : 1

What is the correct Cisco IOS XR command to configure an autonomous system number 1000 for BGP and to support IPv4, IPv6, and unicast routing?

A. router bgp 1000
address-family ipv4 unicast
!
address-family ipv6 unicast
!
!
B. router bgp 1000
neighbor 1.1.1.1 remote-as 2000
address-family ipv4 unicast
!
address-family ipv6 unicast
!
!
C. router bgp 1000
address-family vpnv4 unicast
!
address-family vpnv6 unicast
!
!
D. router bgp 1000
neighbor 1.1.1.1 remote-as 2000
address-family vpnv4 unicast
!
address-family vpnv6 unicast
!
!

Answer: A

Question No : 2

What is the size of the packets that traverse the Cisco CRS-3 switch fabric?

A. variable packets that are dependent on packets being sent through the client interfaces
B. 64 bytes
C. 1500 bytes
D. not applicable, as the Cisco CRS-3 uses a fixed cell in the switch fabric

Answer: D

Question No : 3

Referring to the configuration output exhibit,

```
:router# show access-list ipv4 Ethernet_In
ipv4 access-list Ethernet_In
   1 deny udp any eq netbios-ns any
   2 deny udp any host 255.255.255.255 eq tftp
   3 permit any
```

which set of commands below will allow you to insert a new line just before the permit any statement?

A. :router#configure
:router(config)#ipv4 access-list Ethernet_In
:router(config-ipv4-acl)# 2.5 deny udp any eq tftp any
B. :router#configure
:router(config)#ipv4 access-list Ethernet_In
:router(config-ipv4-acl)# insert after 2 deny udp any eq tftp any
C. :router #resequence access-list ipv4 Ethernet_In
:router#configure
:router(config)#ipv4 access-list Ethernet_In
:router(config-ipv4-acl)#25 deny udp any eq tftp any
D. :router#configure
:router(config)#ipv4 access-list Ethernet_In
:router(config-ipv4-acl)#move 3 to 4
:router(config-ipv4-acl)#3 deny udp any eq tftp any

Answer: C

Question No : 4

In order to determine the hardware and firmware revision of a linecard, what is the correct command that should be invoked?

A. RP/0/RP0/CPU0:CRS-MC#show version

B. RP/0/RP0/CPU0:CRS-MC#show platform

C. RP/0/RP0/CPU0:CRS-MC(admin)#show platform

D. RP/0/RP0/CPU0:CRS-MC#show diagnostic summary

E. RP/0/RP0/CPU0:CRS-MC(admin)#show diag details

Answer: E

Question No : 5

Which statement is false?

A. The NTP stratum describes how many hops away that a system is from an authoritative time source.

B. A Cisco IOS XR device can be directly connected to an atomic clock and provide a stratum 1 service.

C. A Cisco IOS XR device can be configured as a stratum 1 master clock source.

D. UTC is a global time scale that is distributed by atomic clocks over the Internet, over specialist long-wave radio transmissions, or with the Global Positioning System (GPS) network.
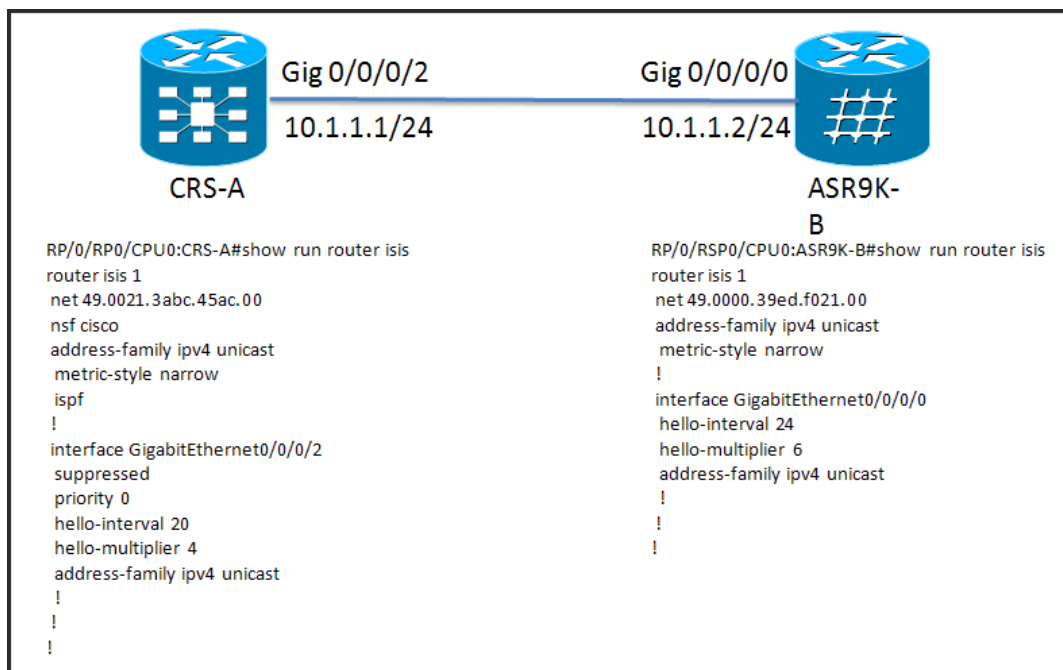
Answer: B

Question No : 6

What are the three potential use cases of NetFlow in an actual network deployment? (Choose three.)

A. identifying the traffic source and destination for optimizing peering and transit links

B. providing the network telemetry for identifying and mitigating DDoS attacks

C. providing traffic traces that are comparable to what is provided by a packet sniffer and RMON

D. providing a means for traffic accounting and billing for customers

E. providing deep application inspections and controls

Answer: A,B,D

Question No : 7

Referring to the diagram and configuration on Routers XR-1 and XR-2,

Gig 0/0/0/2   Gig 0/0/0/0
10.1.1.1/24   10.1.1.2/24

CRS-A   ASR9K-
                   B

```
RP/0/RP0/CPU0:CRS-A#show run router isis
router isis 1
 net 49.0021.3abc.45ac.00
 nsf cisco
 address-family ipv4 unicast
  metric-style narrow
  ispf
 !
 interface GigabitEthernet0/0/0/2
  suppressed
  priority 0
  hello-interval 20
  hello-multiplier 4
  address-family ipv4 unicast
  !
 !
!
```

```
RP/0/RSP0/CPU0:ASR9K-B#show run router isis
router isis 1
 net 49.0000.39ed.f021.00
 address-family ipv4 unicast
  metric-style narrow
 !
 interface GigabitEthernet0/0/0/0
  hello-interval 24
  hello-multiplier 6
  address-family ipv4 unicast
  !
 !
!
```

which three statements are correct? (Choose three.)

A. Router XR-1 can never be a designated router or designated intermediate system.

B. The transmission of IS-IS packets will be suppressed on interface GigabitEthernet0/0/0/2 on Router XR-1.

C. The received IS-IS packets from Router XR-2 will be suppressed from being processed.

D. Router XR-1 and Router XR-2 will form a neighbor adjacency, and Router XR-2 will become the designated router or designated intermediate system.

E. Router XR-1 will use the incremental shortest path first algorithm when there are minimal topology changes.

F. Router XR-1 can form a neighbor adjacency over interface GigabitEthernet0/0/0/2 but will not advertise 10.1.1.0/24 in its link-state packets (LSPs).

Answer: D,E,F

Question No : 8 HOTSPOT

Instructions ☒

Enter the proper CLI commands and analysis the outputs on the PE5 Cisco router to answer the **three** multiple-choice questions.

From the network topology diagram, click on the PE5 router icon to gain access to the console of the router.

No console or enable passwords are required.

There are three multiple-choice questions with this task. Be sure to answer all three questions before selecting the Next button.

Not all the CLI commands or commands options are supported or required for this simulation. If a certain command or command option is not supported, please try to use a different command or command option that is supported.

For example, the show running-config command is NOT supported in this simulation.

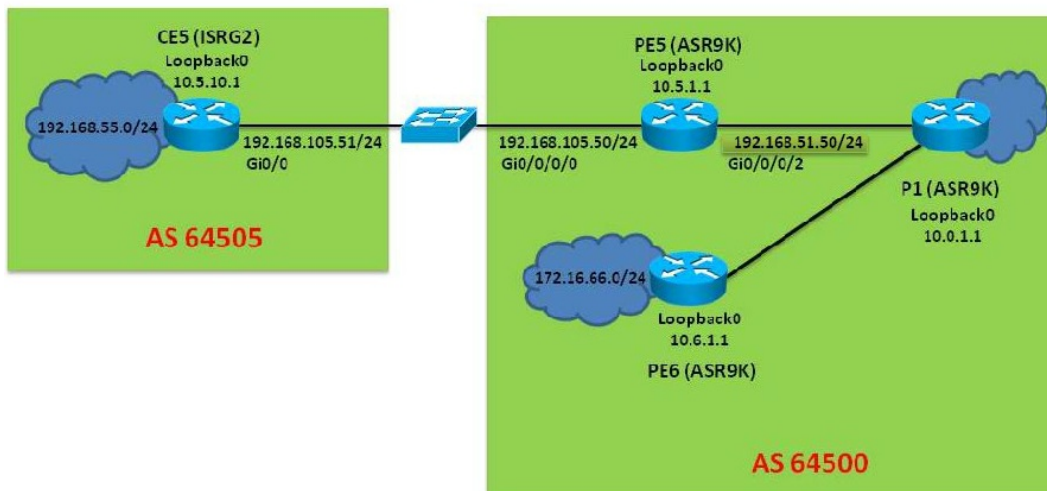All the devices in this simulation have been pre-configured and you are not required to enter in any configurations.
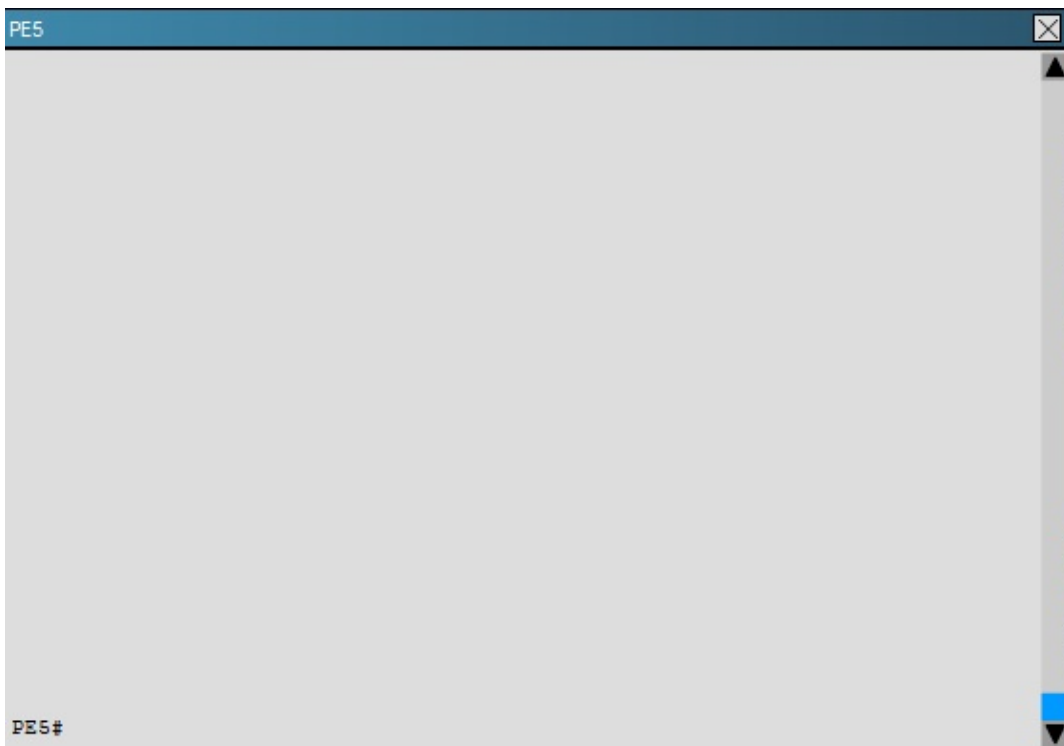
Scenario ☒

Referring to the network topology diagram shown in the exhibit, use the proper CLI commands on the PE5 router and interpret the supported CLI commands outputs to answer the **three** multiple choice questions.

Note: The PE5 router is a Cisco ASR9K router

Topology

In this simulation, you only have access to the PE5 router console
Click on the PE5 router icon to access the console

CE5 (ISRG2)
Loopback0
10.5.10.1

192.168.55.0/24

192.168.105.51/24
Gi0/0

AS 64505

PE5 (ASR9K)
Loopback0
10.5.1.1

192.168.105.50/24
Gi0/0/0/0

192.168.51.50/24
Gi0/0/0/2

P1 (ASR9K)
Loopback0
10.0.1.1

172.16.66.0/24

Loopback0
10.6.1.1

PE6 (ASR9K)

AS 64500

PE5   ☒

PE5#

Questions

1
2   On the PE5 router, which two statements are correct regarding the configured BGP
3   process? (Choose two)

☐ PE5 has two active BGP neighbors under the IPv4 unicast address family

☐ PE5 has two active BGP neighbors under the VPNv4 unicast address family

☐ PE5 BGP router identifier is 10.5.1.1

☐ BGP route dampening is disabled on PE5

☐ The AS-Path to reach the 209.165.202.128/127 prefix is 64497 64498

Answer:

Questions

1
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3   process? (Choose two)

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☐ PE5 has two active BGP neighbors under the VPNv4 unicast address family

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☐ BGP route dampening is disabled on PE5

☐ The AS-Path to reach the 209.165.202.128/127 prefix is 64497 64498

Explanation: 1, 3

Use the "show bgp summary" command to verify that there are two IPv4 neighbors, 10.0.1.1 and 192.168.105.51. Also, it will tell you that the BGP router ID is 10.5.1.1.

Question No : 9

What is the main function of LPTS?

A. filter routing updates
B. maintain the Internal Forwarding Information Base (IFIB)
C. classify transit packets
D. guarantee reliable transport service for network management requests

Answer: B

Question No : 10

Which two of the following are correct commands to activate the PIE file <hfr-mgbl-p.pie-4.0.1>? (Choose two.)

A. install add tftp://172.20.165.36/hfr-mgbl-p.pie-4.0.1 activate
B. install activate tftp://172.20.165.36/hfr-mgbl-p.pie-4.0.1
C. install add disk0:hfr-mgbl-p-4.0.1 activate
D. install activate disk0:hfr-mgbl-p.pie-4.0.1

Answer: A,D