Question 1

Which of the following about the configuration of BGP Site of Origin (SoO) is TRUE?

Options:

A- Each PE must implement a policy to apply a unique SoO attribute to the set of routes received from each customer site.

B- A different BGP extended community is used on each PE that connects to a single site.

C- An import policy on the PE rejects a route if the attached SoO matches the configured value.

D- Import and export policies are applied on the PEs under the global BGP context.

Answer:

A

Question 2

Click the exhibit.

```
A:CE-1# show router bgp routes
===================================================================
 BGP Router ID : 10.10.10.76        AS : 65200    Local AS : 65200
===================================================================

 Legend -
 Status codes  : u - used, s - suppressed, h - history, d - decayed, * - valid
 Origin codes  : i - IGP, e - EGP, ? - incomplete, > - best
===================================================================
BGP Routes
===================================================================
Flag   Network                       Nexthop       LocalPref   MED
       VPN Label                     As-Path
-------------------------------------------------------------------
u*>?   10.1.2.0/24                   10.16.1.1     none        none
                                     65100 65100

u*>?   10.10.10.78/32                10.16.1.1     none        none
                                     65100 65100

u*>i   10.32.1.0/24                  10.16.1.1     none        none
                                     65100
```

Assuming that the as-override command is used, what is the most likely location of prefix 10.1.2.0/24?

Options:

A- The prefix is located in an Autonomous System directly connected to this router.

B- There is a single Autonomous System between the local AS and the AS that originated the prefix.

C- There are two Autonomous Systems between the local AS and the AS that originated the prefix.

D- The prefix is located in Autonomous System 65100.

Answer:

B

Question 3

Question Type: **MultipleChoice**

Based on the VPRN BGP decision process, which of the following routes is selected first if the command "PE1>config>service>vprn>
bgp best-path-selection as-path-ignore" is executed?

Options:

A- The route learned from an eBGP peer.

B- The route with the lowest Origin.

C- The route with the lowest originator ID or BGP Identifier.

D- The route with the shortest AS path.

Answer:

B

Question 4

In a VPRN that uses MPLS transport tunnels, which of the following is NOT configured on the PE device?

Options:

A- MP-BGP for exchanging customer routes with other PEs.

B- A routing protocol for exchanging customer routes with the CE.

C- A label signaling protocol for defining transport tunnels between the PE and CE.

D- MPLS for exchanging labels with other provider core devices.

Answer:

C

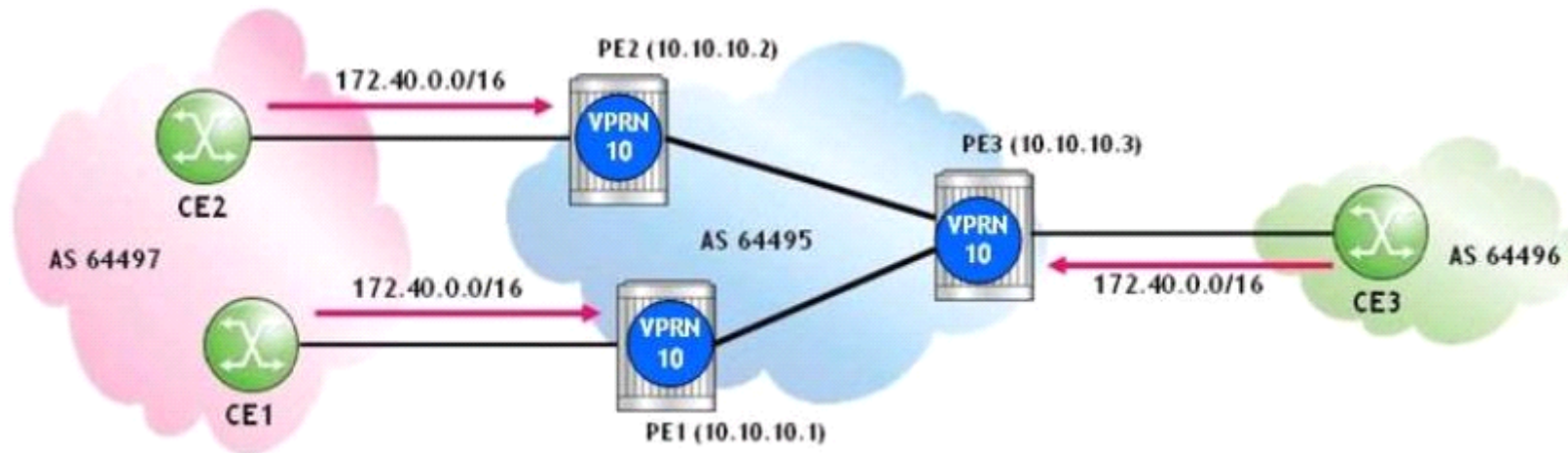# Question 5

Question Type: **MultipleChoice**

Click the exhibit.

PE2 (10.10.10.2)

172.40.0.0/16

VPRN 10

CE2

PE3 (10.10.10.3)

AS 64497

VPRN 10

AS 64495

172.40.0.0/16

172.40.0.0/16

AS 64496

CE3

VPRN 10

CE1

PE1 (10.10.10.1)

```
PE1# configure service vprn 10
PE1>config>service>vprn# route-distinguisher 64495:20
```

```
PE2# configure service vprn 10
PE2>config>service>vprn# route-distinguisher 64495:20
```

```
PE3# configure service vprn 10
PE3>config>service>vprn# route-distinguisher 64495:10
PE3>config>service>vprn# ecmp 2
PE3>config>service>vprn# bgp multipath 2
PE3>config>service>vprn# bgp eibgp-loadbalance
```

Based on the displayed configuration, which routes does PE3 place in the VPRN 10 routing table?

Options:

A- The routes learned from CE3 and PE1.

B- The route learned from CE3 only.

C- The routes learned from PE1 and PE2.

D- The routes learned from CE3 and PE2.

Answer:

A

Question 6

A service provider core consists of 6 PE and 4 P routers. Assuming route reflection is not used, how many internal BGP sessions are required in the service provider network for a correct operation of VPRN services?

Options:

A- 1

B- 5

C- 15

D- 30

E- 45

Answer:

C
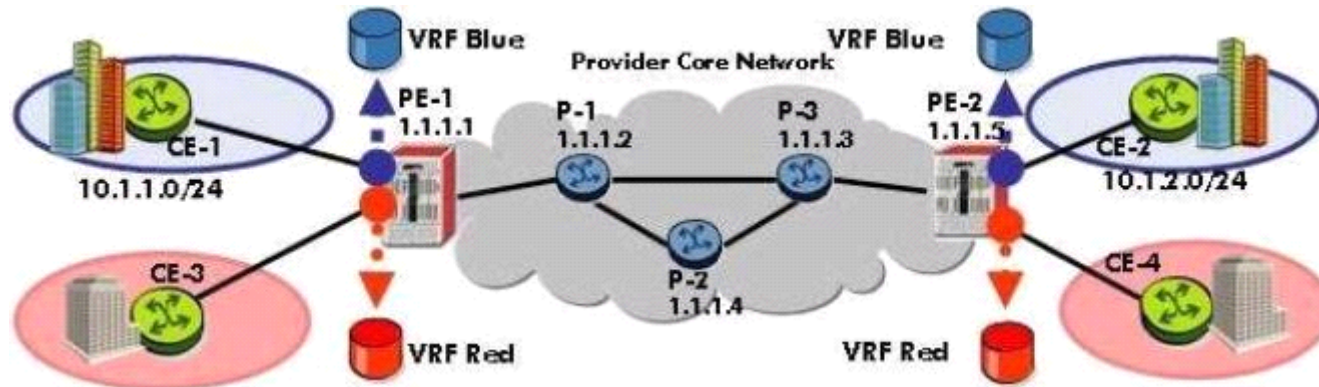
Question 7

Question Type: **MultipleChoice**

Click the exhibit.

```
*A:PE-1# configure service vprn 20 customer 101 create
*A:PE-1>config>service>vprn$ description "VPRN Blue"
*A:PE-1>config>service>vprn$ route-distinguisher 65100:101
*A:PE-1>config>service>vprn$ vrf-target target:65100:101
*A:PE-1>config>service>vprn$ auto-bind ldp
*A:PE-1>config>service>vprn$ router-id 1.1.1.1
*A:PE-1>config>service>vprn$ interface to-CE-1 create
*A:PE-1>config>service>vprn>if$ address 10.1.6.1/27
*A:PE-1>config>service>vprn>if$ sap 1/1/2 create
*A:PE-1>config>service>vprn>if$ exit
*A:PE-1>config>service>vprn$
```

What is wrong with the VPRN configuration applied on this Nokia 7750 SR?

Options:

A- The VPRN ID must match the value used in the vrf-target command.

B- The VPRN ID must match the value used in the route-distinguisher command.

C- The router-id command should not be used in this context.

D- The 'no shutdown' command must be configured for the VPRN to be operationally UP.

Answer:

D