# Nokia

## 4A0-106 Exam

**Nokia Virtual Private Routed Networks**

# Version: 10.0

## Question: 1

In a VPRN the PE device is configured to run which of the following protocols? (Choose three.)

A. MP-BGP for exchanging customer routes with other PEs
B. A routing protocol for exchanging customer routes with the CE
C. MPLS for exchanging labels with other provider core devices
D. MPLS for exchanging labels with the CE devices
E. Targeted LDP for exchanging VPRN labels with other PE devices
F. A label signaling protocol for defining transport tunnels between PE and CE devices

**Answer: A, B, C**

## Question: 2

Choose the answer that best completes the following sentence. The CE device is typically configured with _____.

A. A single routing protocol for exchanging routes with both the internal customer routers and with the PE
B. MP-BGP to exchange routes with the PE.
C. MPLS and a routing protocol for the exchange of labels and routes with the PE
D. MPLS for exchanging labels with other CE devices
E. A routing protocol for exchanging routes with the internal customer routers and a routing protocol for exchanging routes with the PE

**Answer: E**

## Question: 3

Which of the following terms also correctly describes a Layer 3 VPN?(Choose three)

A. VPRN
B. BGP/MPLS VPN
C. VLL
D. VPLS
E. IP-VPN
F. ePipe

**Answer: A, B, E**

## Question: 4

What are the main functions of a Layer 3 VPN? (Choose three).

A. Distributing customer routing information between sites
B. Forwarding customer data packets
C. Providing an integrated billing solution
D. Maintaining separation between distinct customer networks
E. Allowing the implementation of Layer 3 devices in the provider core

**Answer: A, B, D**

## Question: 5

Which of the following statements are true regarding P devices in an MPLS VPRN? (Choose two.)

A. Participate in service provider core routing
B. P devices are not required to be MPLS enabled. MPLS is only required on the PE devices
C. Run a common routing protocol with the CE router
D. Must support MP-BGP
E. Do not have any connections to the CE
F. Must be aware of the VPRNs

**Answer: A, E**

## Question: 6

What are the two primary problems the service provider must consider when providing traditional Layer 3 VPN services using only a single common routing table in the provider core? (Choose two)

A. Memory exhaustion in the provider core
B. Route leaking between the customer networks
C. CPU utilization for route processing
D. Unwanted packet forwarding between customer networks

**Answer: B, D**

## Question: 7

When a Service Provider offers VPRN services to its customers, which of the following functions are expected to be the responsibility of the Service Provider? (Choose three)

A. Distributing the customer generated labels between sites
B. Distributing the customer routing information between

C. Forwarding the customer originated data packets to the appropriate destination
D. Forwarding the provider originated data packets to the appropriate customer site
E. Providing secure layer 3 routing exchange between sites

**Answer: B, C, E**

## Question: 8

In a traditional layer 3 VPN which of the following will be an issue when there is overlapping address space between two customers? Choose the best answer.

A. There will be increased memory usage on the PE
B. There will be increased CPU utilization on the PE
C. The CE will reject the overlapping prefix
D. The PE will not recognize the prefixes as being different
E. There is no issue with overlapping address space in a traditional Layer 3 VPN

**Answer: D**

## Question: 9

Complete the following statement. In a VPRN, the label signaled by RSVP-TE is used to _____.

A. Identify the egress PE in the MPLS domain
B. Signal the egress VPRN ID
C. Identify the ingress PE in the MPLS domain
D. Transport route updates between PEs

**Answer: A**

## Question: 10

Complete the following statement. In a VPRN, the label signaled by RSVP-TE is used to _____.

A. Identify the egress PE in the MPLS domain
B. Signal the egress VPRN ID
C. Identify the ingress PE in the MPLS domain
D. Transport route updates between PEs

**Answer: A**

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