> **Vendor: Juniper**

> **Exam Code: JN0-1362**

> **Exam Name: Service Provider Design, Specialist (JNCDS-SP)**

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> **(Updated in September/2022)**

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### Question: 1

What are two benefits of including analytics in your network management design proposal? (Choose two.)

A. Analytics can be used for troubleshooting and diagnosing network problems
B. Analytics dynamically standardizes software and firmware versions.
C. Analytics can allow administrators to evaluate and optimize WAN resources.
D. Analytics dynamically makes network optimization change

Answer: CD

### Question: 2

You work for a corporation deploying new data centers using EVPN/VXLAN You are considering using EVPN for the data center interconnects. The hardware and software being deployed in the data centers support EVPN Type 5 routes.
In this scenario, which additional DCI benefit do Type 5 routes provide?

A. Type 5 routes support Layer 3 connectivity across multiple data centers, eliminating the need to advertise Layer 3 VPN routes.
B. Type 5 routes provide Layer 2 connectivity across multiple data centers, if MPLS encapsulation is being used.
C. Type 5 routes provide Layer 2 connectivity across multiple data centers, if VXLAN encapsulation is being used.
D. Type 5 routes support Layer 2 and Layer 3 connectivity between data center eliminating the need to advertise Layer 3 VPN and Layer 2 VPN routes.

Answer: D

## Question: 3

You work for a service provider that offers Layer 2 services. One of the customers is purchasing Layer 2 VPN services to interconnect several sites.
In this scenario, which two functions are provided by the PE router? (Choose two )

A. It maintains all customer Layer 3 routing information.

B. It selects the appropriate Layer 2 VPN in the service provider network.
C. It maintains an MP-BGP session with each customer site to exchange customer routing information
D. It maintains MPLS LSPs between the sites.

**Answer: AC**

## Question: 4

You are asked to create a point-to-multipoint DCI that does not overwhelm the data plane with MAC learning traffic.
Which protocol would you use in this situation?

A. VPLS
B. PPTP
C. EVPN
D. pseudowire

**Answer: A**

## Question: 5

You are designing the physical redundancy for a service provider network and are checking for potential risks due to fate sharing.
Which two sources of fate sharing should you examine in this scenario? (Choose two.)

A. hardware vendor
B. MPLS LSP
C. building location
D. fiber conduit

**Answer: BC**

## Question: 6

You are asked to provide a design proposal for a service provider's core network. The network consists of both IPv4 and IPv6 addresses and must scale up to 50 core routing devices.
In this scenario, which statement is correct regarding the IGP design?

A. You can use OSPFv2 for IPv4 and OSPFv3 for IPv6 at the same time.
B. You must use OSPFv3 to support both address families.
C. You can use OSPFv2 to support both address families.
D. You must use IS-4S to support both address families.

## Question: 7

You are deploying new WAN services between two routers and you are required to encrypt all traffic at Layer 2

Which solution would satisfy this requirement?

A. 802.1X
B. MACsec
C. IPsec
D. RADIUS

**Answer: A**

## Question: 8

A new customer asks that you extend their LAN across your WAN The customer wants to retain administrative control over all routing in their network.

Which two architectures would meet this requirement? (Choose two.)

A. public Internet
B. Layer 2 VPN
C. Layer 3 VPN
D. VPLS

**Answer: BD**

## Question: 9

You are creating a WAN solution design for an enterprise customer. The customer will be connecting three sites in different locations. The customer wants all of the sites to be part of the same Layer 2 network.

In this scenario, what are two valid connection methods you would provide in your design? (Choose two.)

A. NG-MVPN
B. leased line
C. IPsecVPN
D. EVPN

**Answer: CD**

## Question: 10

Which three statements are true about class-of-service (CoS) schedulers? (Choose three )

A. Schedulers determine into which queue a packet should be assigned.

B. Schedulers determine the packet transmission rate for each queue.
C. Schedulers determine the packet markings that are used to prioritize traffic.
D. Schedulers determine how packets are handled during times of congestion.
E. Schedulers determine the size of buffer assigned to each queues.

**Answer: ABD**

## Question: 11

You are developing a CoS policy for a service provider core network that In this scenario, which three statements are correct? (Choose three.)

A. Core routers should use a common set of per-hop behaviors.
B. Core routers should use shapers to ensure that customer traffic does not exceed allowed bandwidth.
C. Core routers should use policers to ensure that customer traffic does not exceed allowed bandwidth.
D. Core routers should use a consistent CoS configuration across the network.
E. Core routers should use the DSCP markings already set on ingress traffic.

**Answer: ACE**

## Question: 12

A customer wants to consolidate all remote site connections into a single enterprise WAN for backhual to the corporate headquarters and data centers.
Which solution satisfies this requirement?

A. private WAN
B. WAN aggregation
C. Data Center Interconnect
D. Internet edge

**Answer: C**

## Question: 13

You are asked to provide a design proposal for a service provider network that will need to support both IPv4 and IPv6 traffic across your IPv4 core. You do not want to change the core design.
In this scenario, what are two solutions that you would implement at the peering edge? (Choose two.)

A. 6PE
B. NAT64
C. GRE tunneling

D. nativeIPv6routing

**Answer: AD**

## Question: 14

You work for a service provider who wants to provide a service to your customers consisting of VoIP, live TV, video on demand (VoD), and data services You want to use a hybnd VLAN model for this service

Which VLAN assignments would be used for this deployment?

A. Video services will reside in a shared video VLAN. and the customer willHjttlttjftvo data VLANs assigned, one for voice and one for data.
B. Live TV will be multicast to all customers, video on demand, voice, and data will share a customer specific VLAN.
C. Live TV will be multicast to all customers, video on demand and data will share a customer specific VLAN, VoIP will use a shared VLAN utilizing
private VLANs to talk to a telephony server.
D. Live TV and VoD will be in the same shared VLAN with Live TV on a multicast stream and VoD unicast, voice and data will reside in a customer specific VLAN.

**Answer: C**

## Question: 15

A customer requests that you design their Layer 3 VPN solution so that all site-to-site traffic goes through a central site, in a hub-and-spoke fashion You must choose between using one or two interfaces on the hub WAN link.
In this scenario, which solution would you use?

A. Use two interfaces on the hub WAN link to allow traffic to go from the spokes to the hub on one interface and from the hub to the spokes on the other interface.
B. Use two interfaces on the hub WAN link to reserve one interface for higher Priority traffic.
C. Use one interface on the hub WAN link, since both hub and spoke sites will require a second VRF for route-leaking purposes.
D. Use one interface on the hub WAN link to ensure simplicity, since only a single route target is required across the entire Layer 3 VPN.

**Answer: D**

## Question: 16

You are responding to an RFP that proposes using MX Series devices for subscriber management services.
In this scenario, which two protocols should you consider for the AAA components? (Choose two )

A. RADIUS

B. PPPoE
C. DHCP
D. Diameter

**Answer: AC**

## Question: 17

What are two risks when using a source-based RTBH solution? (Choose TWO)

A. The attacker address could be a CGNAT address resulting in a larger service outage for users.
B. The target of the attack may not support RTBH.
C. The attacker's address could be unknown.
D. The target of an attack would be blocked resulting in a target being offline.

**Answer: AB**

## Question: 18

As a service provider network architect, you are working with a potential customer who wants to replace their WAN, consisting of two data centers, one HQ, and 76 branch offices Due to application latency requirements between branch offices, the customer insists that all traffic must take the most optimal path through the service provider network. The customer intends to encrypt all traffic between customer routers at each location.
Which WAN technology would you propose in this scenario?

A. point-to-point Layer 2 VPNs
B. Layer 3 VPN
C. Internet as WAN
D. H-VPLS

**Answer: C**

## Question: 19

Which statement is correct about learning remote host MAC addresses when your DCI is based on EVPN?

A. No MAC learning by the provider edge (PE) device is performed
B. Static MAC configuration on the provider edge (PE) device is perform
C. Data plane MAC learning by the provider edge (PE) device is performed.
D. Control plane MAC learning by the provider edge (PE) device

**Answer: C**

You are designing a full mesh of connections between multiple enterprise In this scenario, which two statements are correct? (Choose two.)

A. Security and Internet control is applied at a central location
B. All sites are able to communicate directly with each other
C. It is easier for administrators to enforce application-aware services with a single point of management.
D. IPsec tunnels can be used to secure traffic between sites.

**Answer: AB**