



Exam Code: JN0-1362

Exam Name: Service Provider Design, Specialist Exam

Website: <https://VCEup.com/>

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Question No: 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 No: 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 No: 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 No: 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 No: 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 No: 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-IS to support both address families.

Answer: D

Question No: 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 No: 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 No: 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 No: 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 No: 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 No: 12

A customer wants to consolidate all remote site connections into a single enterprise WAN for backhaul 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 No: 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. native IPv6 routing

Answer: AD

Question No: 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 hybrid 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 will have two 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 No: 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 No: 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 No: 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 No: 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 No: 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

Question No: 20

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

Question No: 21

According to Juniper Networks, which two statements describe OoB network design best practices?

(Choose two.)

- A. Ensure that all users are authenticated using individual accounts and credentials.
- B. Ensure that the management network is accessible through the production network.
- C. Ensure that the management network uses a unique IP network.
- D. Ensure that only console ports are used to manage devices.

Answer: CD

Question No: 22

Your customer is deploying a multitenant data center and needs help with the WAN edge design.

What are two mam design considerations for this environment? (Choose two.)

- A. control plane redundancy
- B. NAT requirements
- C. unified threat management
- D. Virtual Chassis Control Protocol

Answer: BC

Question No: 23

Since deploying VPLS, you notice an unusually high level of traffic In your nine topology. On further inspection, you determine that broadcast traffic is causing the problem. The traffic is legitimate.

Nevertheless, you are asked to look into options that allow the network to scale.

In this scenario, what would you do to solve the problem?

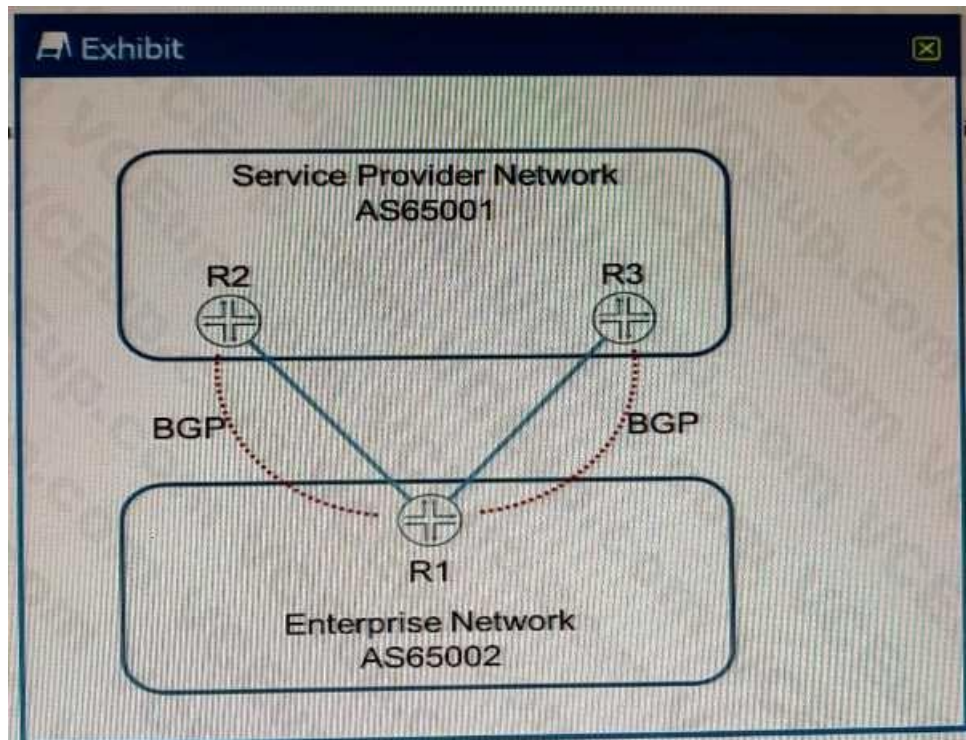
- A. Mark broadcast traffic with a high drop priority.
- B. Move from LDP-signaled VPLS to BGP-signaled VPLS.
- C. Add a broadcast policer and an unknown unicast policer to each VPLS.
- D. Deploy P2MP LSPs.

Answer: D

Question No: 24

Click the Exhibit button:





Referring to the exhibit, which mechanism is used to advertise routes from the enterprise network to the service provider network?

- A. BGP flowspec
- B. BGP export policies
- C. BGP import policies
- D. firewall filters

Answer: C

Question No: 25

A customer reports a network outage at a branch office after users have reported intermittent Internet connectivity. Upon further investigation, you determine that there is significant packet loss and that the majority of traffic on the WAN consists of DNS responses from many different sources.

In this scenario, which design consideration would reduce further occurrences with minimal chance of affecting valid traffic?

- A. Implement CGNAT
- B. Create a firewall filter to drop all traffic to the affected destination address of the attack
- C. Create a firewall filter to drop all traffic based on the source addresses of the attack.
- D. Configure BGP flowspec.

Answer: A

Question No: 26

You must build a portable and customizable template to secure the What are two components of this template? (Choose two)

- A. stateful firewall policy
- B. generic policers

C. routing policy

D. firewall filter

Answer: CD

Question No: 27

Your company is a large ISP that is upgrading their routers. As part of the upgrade project, they want to implement a solution that will improve the effectiveness of their current RTBH solution for handling spoofed IP addresses coming across the WAN.

Which action would satisfy their requirement?

A. Implement manual firewall policies

B. Implement unicast RPF

C. Implement MACsec.

D. Implement EVPN

Answer: D

Question No: 28

Which RFC standards-based feature allows for customer-specific configuration parameters to be passed between RADIUS and a BRAS?

A. DHCPv6 options

B. DHCP options

C. vendor-specific attributes

D. LSA

Answer: C

Question No: 29

You have 2 VPN services to interconnect three of their sites.

A. In this scenario, what are two functions of the CE device? (Choose two.)

B. It maintains all customer Layer 3 routing information.

C. It selects the appropriate circuit on which to traverse the Layer 2 VPN.

D. It maintains an MP-BGP session to all other sites to exchange route information for the Layer 2 VPN.

E. It maintains all MPLS LSPs between the sites.

Answer: BE

Question No: 30

You are working on a multi-Data Center interconnect (DCI) solution. Your WAN is based upon a multipoint MPLS Layer 3 VPN. This design must provide Layer 2 connectivity between the data centers across your WAN.

Which technology would satisfy the requirement?

A. VRRP



- B. VCF
- C. RTG
- D. EVPN

Answer: D

Question No: 31

You are designing a new deployment of Paragon Pathfinder (formerly known as NorthStar). You are asked to ensure that LSPs can be created only from Paragon Pathfinder itself.

What will accomplish this task?

- A. PCC initiated
- B. PCC delegated
- C. PCE delegated
- D. PCE initiated

Answer: C

Question No: 32

Your organization experienced a man-in-the-middle attack and must protect against future attacks.

In this scenario, what must you do to protect your network?

- A. Implement EVPN
- B. Implement MACsec.
- C. Implement destination-based RTBH
- D. Implement flowspec

Answer: A

Question No: 33

You are responding to an ERFP for a customer's MX-based BNG deployment that must accommodate at least 8000 subscribers. However, the customer's aggregation device only support 4094 VLANs.

Which action would you propose to solve the customer's capacity concern?

- A. Use VLAN translation
- B. Use stacked VLANs
- C. Add an additional fabric module.
- D. Add an additional line card.

Answer: D

Question No: 34

What are two considerations for using the public Internet for WAN connectivity? (Choose two.)

- A. End-to-end traffic is best effort.



- B. It is inherently insecure, and additional encryption should be considered.
- C. End-to-end CoS and larger MTU are possible.
- D. It is inherently secure and does not require additional encryption.

Answer: BC

Question No: 35

You are designing a solution for a company with a central office with several branch locations geographically dispersed. You are given the following requirements:

- provides a different bandwidth at each location,
- has any-to-any connectivity,
- offloads some network responsibility.
- is inherently isolated.
- has a simple network design.

Which statement satisfies these requirements?

- A. Implement WAN over the public Internet.
- B. Implement Layer 3 VPN services at each location
- C. Implement Layer 2 VPN point-to-point circuits from each location to the central office.
- D. Implement services on a mesh of dark fiber between each location

Answer: C

Question No: 36

You are designing a Metro Ethernet ring topology that requires a sub 50 ms failover.

Which two protocols will meet this requirement? (Choose two)

- A. Spanning Tree Protocol
- B. Link Aggregation Control Protocol
- C. MPLS fast reroute
- D. Ethernet ring protection switching

Answer: AD

Question No: 37

You are asked to design a WAN for a large enterprise. Each site must have multiple connections for redundancy. MPLS is not available at every site but it is preferred where available.

Which topology satisfies these design requirements?

- A. hub-and-spoke Internet WAN
- B. full mesh SD-WAN
- C. full mesh MPLS VPN



D. hub-and-spoke SD-WAN

Answer: D

Question No: 38

Which two network availability features require a router to have two Routing Engines installed?

(Choose two.)

A. JVRRP

B. GRES

C. nonstop routing

D. graceful restart

Answer: AC

Question No: 39

Which two statements are correct about Junos Space Connectivity Services Director? (Choose two)

A. It is used to design, provision, and monitor Label Discovery Protocol (LDP) and Border Gateway Protocol (BGP) services on devices

B. It is used to design and simulate MPLS-TE and LSP routing.

C. It is used to design, provision, and deploy MPLS-dynamic, RSVP-signaled LSP, and static LSP services on devices.

D. It is used to provide zero touch provisioning (ZTP), which simplifies the deployment of networks by providing policy-driven plug-and-play provisioning and network bring-up operations.

Answer: CD

Question No: 40

You are asked to provide a design proposal for a services provider's core network. The network consists of both IPv2 and IPv4 addresses and must scale up to 50 core routing devices. As part of your design, you must in redundancy and ensure that future network expansion is easily incorporated.

In this scenario, which statement is correct regarding the BGP design?

A. You should create a full mesh of EBGP neighbors in your core.

B. You must use direct interface peering for your neighbors.

C. You should use a pair of route reflectors with peering's to all other core devices.

D. You must separate the BGP network into multiple autonomous systems on geographic location.

Answer: C

Question No: 41

Your customer's enterprise is adding geographically dispersed branch offices and requires new WAN connections. The primary design consideration for this expansion is low cost.

Which type of WAN connection satisfies the customer's requirement in this scenario?

A. leased line dedicated circuit

B. Internet connection with IPsec

C. transparent Layer 2 service

D. MPLS Layer 3 VPN

Answer: C

Question No: 42

What are two network management benefits of using devices in your design proposals?

A. Virtualization allows network administrators to dynamically make configuration changes to all network devices.

B. Virtualization can lower costs because there are fewer physical devices that need to be purchased and managed.

C. Virtualization can increase the available network bandwidth because their interface speeds are only limited by the host device.

D. Virtualization allows network administrators to dynamically add and remove services being provided

Answer: BD

Question No: 43

Which statement describes Juniper Networks network management design best practices?

A. You should ensure that automaton is used sparingly.

B. You should ensure that only off-box automation scripts are used

C. You should ensure that only on-box automaton scrips are used

D. You should ensure that automation is used as much as possible.

Answer: B

Question No: 44

You are asked to create a DCI that does not require MAC learning.

Which protocol would you use in this scenario?

A. L3VPN

B. VPLS

C. EVPN

D. pseudowire

Answer: D

Question No: 45

You are responding to an RFP for a services provider that wants to upgrade their MPLS/LDP network to use traffic engineering.

Which two statements are correct in this scenario? (Choose two)

A. Segment routing requires a controller for bandwidth reservations

B. Segment routing uses LDP for label adjacency making it backward-compatible with LDP.

C. RSVP-TE requires a controller for bandwidth reservations.



D. RSVP-TE creates session states on core routers.

Answer: AD

Question No: 46

A customer reports that their RSVP LSP deployment faces scaling challenges as their network grows.

You are asked to propose ways that the network can be optimized.

What are two ways that Paragon Pathfinder (formerly known as NorthStar) helps achieve this optimization? (Choose two.)

- A. faster detection of LSP failure
- B. reduction in LSPs due to optimal path selection
- C. offloading control plane state to a central controller
- D. creation of LSPs across different IGP areas

Answer: AC

Question No: 47

The operations team reports that the network is now so large that it has become a challenge to manually create and maintain RSVP LSPs. You want to provide the team with the capability to create LSPs using a graphical interface.

Which system should you use in this scenario?

- A. OpenFlow
- B. Paragon Pathfinder
- C. Junos Space
- D. CSO

Answer: C

Question No: 48

Your company's automation team is testing a controller-based solution for dynamic LSP management. They do not want the topology acquisition process to allow the controller to become a transit node of the core network's.

Which solution would fulfill the requirements?

- A. BGP-LS
- B. PCCD
- C. PCEP
- D. BGP-LU

Answer: C

Question No: 49

What are three limitations of using the Internet as the primary WAN service for enterprise organizations? (Choose three)

- A. generally higher cost
- B. no latency considerations



- C. lack of connectivity
- D. no quality of service guarantees
- E. no inherent security

Answer: ABC

Question No: 50

You want to migrate your network from using Draft-Rosen to multicast VPN, Due to functional similarities, it will help operations personnel make the transition if they are familiar with certain technologies In this scenario, which technology would be helpful?

- A. hierarchical VPLS
- B. Layer 3 VPNs
- C. Layer 2 VPNs
- D. VPLS with point-to-multipoint LSPs

Answer: D

Question No: 51

You are designing a new service provider network and need to select a label distribution mechanism that guides certain types of traffic along specific paths within the network.

Which two label distribution mechanisms would satisfy the requirements? (Choose two.)

- A. RSVP
- B. segment routing
- C. LDP
- D. BGP-LU

Answer: AC

Question No: 52

You are preparing to purchase WAN services from a service provider You are required to protect all Layer 2 and higher traffic from injection wiretapping, man-in-the-middle, and playback type attacks.

Which solution would satisfy this requirement?

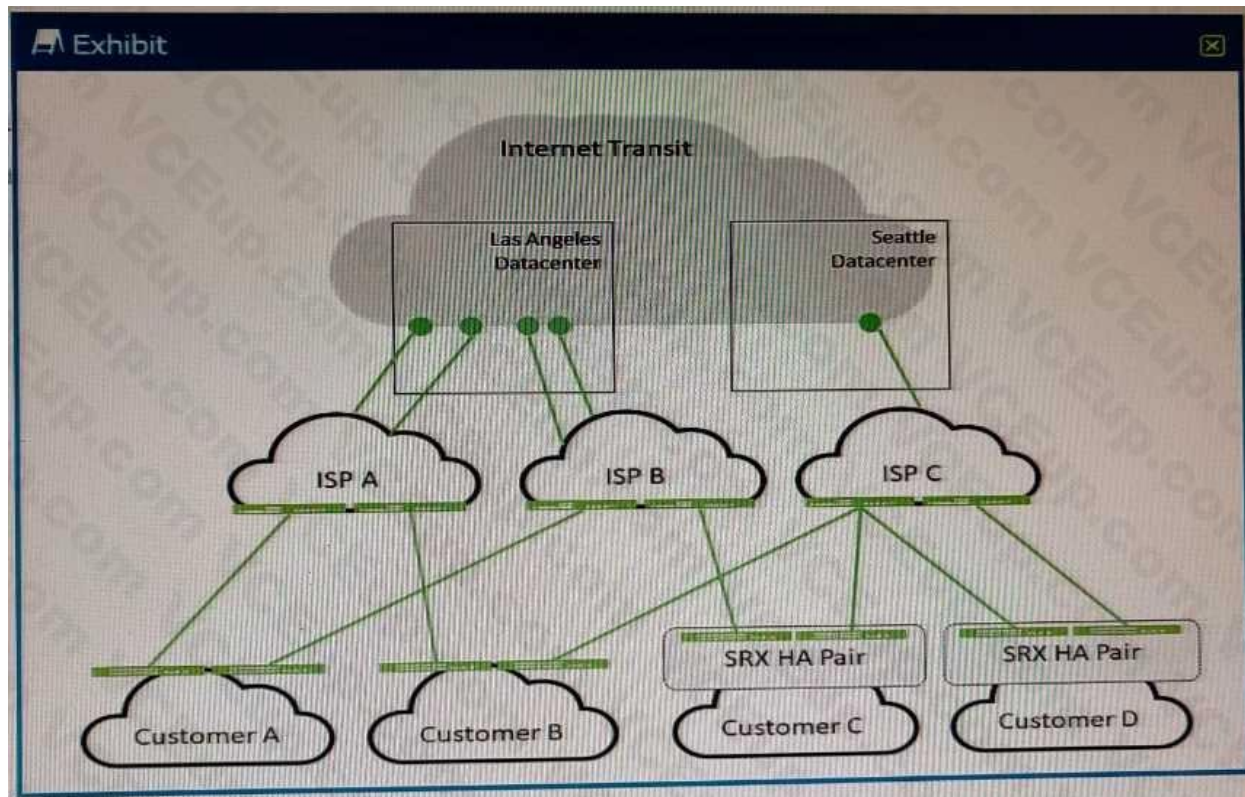
- A. Use Layer 3 VPN services from the service provider
- B. Use IPsec between locations.
- C. Use Layer 2 VPN services from the service provider.
- D. Use MACsec between locations.

Answer: B

Question No: 53

Exhibit.





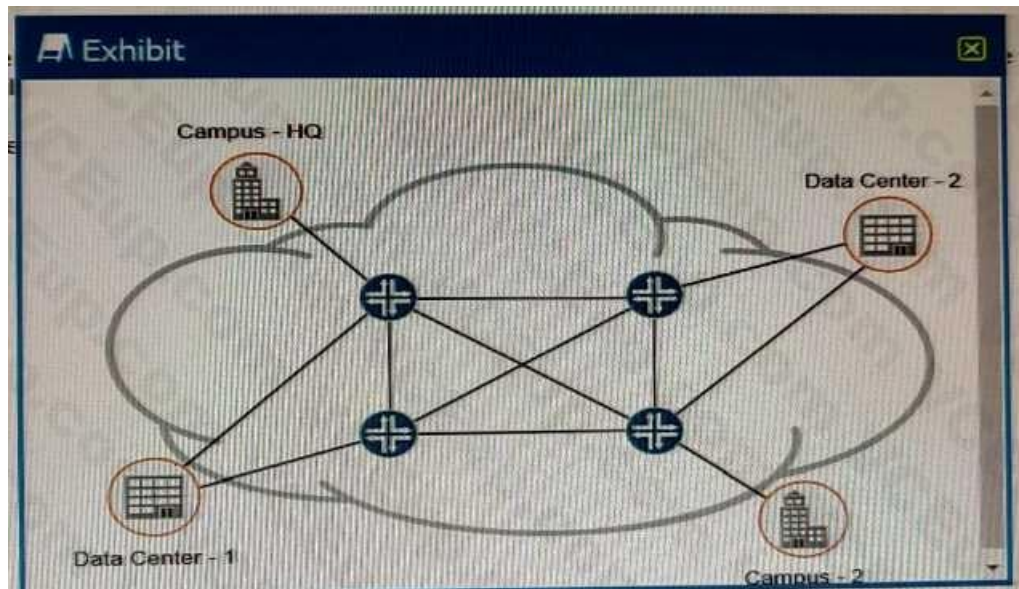
Referring to the exhibit considering shared fates, which Internet Transit?

- A. Customer A
- B. Customer C
- C. Customer B
- D. Customer D

Answer: C

Question No: 54

Exhibit.



You want to design a VPN service that will allow your enterprise the ability to span their VLANs between the four sites shown in the exhibit, while allowing point-to-multipoint connectivity.

Which two MPLS VPN technologies allow this type of functionality (Choose two.)

- A. EVPN
- B. Layer 2 VPN
- C. VPLS
- D. Layer 3 VPN

Answer: AD

Question No: 55

You belong to an organization consisting of multiple sites. Your topology is constantly changing. You need a method of encrypting traffic between sites.

Which technology enables you to add new sites without reconfiguring existing sites?

- A. IPsec Auto VPN with ADVPN
- B. mesh IPsec overlay VPN
- C. point-to-point IPsec VPN
- D. hub-and-spoke IPsec VPN

Answer: C

Question No: 56

In your class-of-services design, you are using a multifield classifier on your WAN edge devices to ensure that traffic is properly classified entering your network. You are asked to ensure that all packets traversing your core will be handled in the same manner without using firewall filters.

Given this scenario, which statement is correct?

- A. You should use forwarding classes to properly mark all DiffServ values because traffic is entering your core devices.
- B. You should use rewrite rules to properly mark all DiffServ values because traffic is entering your core devices from your edge

- C. You should use a scheduler on all core devices to properly classify incoming traffic to ensure it is handled the same.
- D. You should use a behavior aggregate (BA) classifier on all core devices to ensure incoming traffic is handled the same.

Answer: D

Question No: 57

A customer wants to use the Internet to connect to a large number of remote sites. They want a solution that is easy to use and one that provides secure connectivity.

Which technology will meet these requirements?

- A. generic routing encapsulation (GRE)
- B. equal-cost multipath (ECMP)
- C. Link Layer Discovery Protocol (LLDP)
- D. Auto Discovery VPN (ADVPN)

Answer: A

Question No: 58

You are receiving the same routes from two different equal-cost EBGP peers. Instead of choosing one single best path, you want to design your network to accept both routes and load-balance between them.

Which BGP concept would you use to facilitate this request?

- A. next-hop self
- B. multi-hop
- C. addpath
- D. multipath

Answer: D

Question No: 59

Your customer wants to enable their MX Series core so that a controller can dynamically manage their LSPs.

Which protocol provides this capability?

- A. BGP-LU
- B. PCEP
- C. PCRF
- D. BGP-LS

Answer: B

Question No: 60

What are two ways to provider redundancy in a WAN design to address physical failures? (Choose two.)

- A. Select products that use MC-LAG.
- B. Select products with different types of MICs.



- C. Select products that use multiple Routing Engines.
- D. Select products with different versions of firmware.

Answer: BD

Question No: 61

As a service provider network engineer, you are asked by management design a Layer 2 VPN product with a “five nines” SLA.

Which mechanism will address this requirement?

- A. VRRP
- B. EVPN LAG
- C. GRES
- D. SyncE

Answer: A

Question No: 62

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 that you would provide in your design?

(Choose two.)

- A. Internet WAN
- B. Layer 3 VPN
- C. Layer 2 VPN
- D. VPLS

Answer: AC

Question No: 63

You work for a service provider that currently uses a full mesh of IBGP peers to share EBGp routes.

You are concerned about future scalability with this model and have decided to use route reflectors to overcome the scale limitations associated with the full mesh model.

In this scenario, which statement is true?

- A. Route reflectors readvertise both the active and backup routes
- B. Cluster IDs must be configured on all IBGP peers.
- C. Private autonomous system numbers must be configured on all IBGP peers.
- D. Route reflectors do not change existing IBGP next hops by default.

Answer: C

Question No: 64

What are two high availability solution for routers with a single Routing Engine? (Choose two.)



- A. VRRP
- B. Non-stop active routing
- C. Graceful restart
- D. GRES

Answer: AD

Explanation:

<https://www.juniper.net/documentation/us/en/software/junos/highavailability/topics/concept/high-availability-features-in-junos-introducing.html>

Question No: 65

You are designing an MPLS-based network overlay for your environment that use either LDP or RSVPsignated LSPs.

Which two statements are true about these two signaling technologies (Choose two.)

Which two statements are true about these two signaling technologies? (Choose two.)

- A. RSVP requires the traffic engineering database (TED) to find the best path across the network.
- B. LDP uses EROs to influence the path of an LSP and enable traffic engineering.
- C. LDP leverages the IGP to find the best path across the network.
- D. RSVP enables an administrator to configure different traffic types to take different paths across the MPLS network.

Answer: CD