Cisco

Exam Questions 400-007

Cisco Certified Design Expert (CCDE v3.0) Written Exam

NEW QUESTION 1
Various teams in different organizations within an enterprise are preparing low-level design documents to capture network parameters using a Waterfall project model:
• hardware sizing and power consumption
• Layer 2 and layer 3 services parameters
• configuration of all control plane protocols
Input from relevant stakeholders was captured at the start of the project, and the project scope has been defined based on the parameters above. What impact will it have on documentation and project deliverables if the stakeholders ask to have changes carried out in the network before the information has been captured?

A. This provides more opportunity to think outside the box.
B. Rework is expected before the delivery.
C. Significant effort and time are required.
D. This provides a flexible approach to incorporate changes.

Answer: B

NEW QUESTION 2
As part of workspace digitization, a large enterprise has migrated all their users to Desktop as a Sen/ice (DaaS), by hosting the backend system in their on-premises data center. Some of the branches have started to experience disconnections to the DaaS at periodic intervals, however, local users in the data center and head office do not experience this behavior. Which technology can be used to mitigate this issue?

A. tail drop
B. traffic shaping
C. WRED
D. traffic policing

Answer: B

Explanation:
Traffic Shaping does help with congestion and better bandwidth utilization over the WAN.

NEW QUESTION 3
An enterprise has identified these causes for inefficient CAPEX spending:
≫ CAPEX planning is driven by technology and not by business objectives.
≫ The CAPEX planning team lacks the data it needs to perform due diligence tasks.
≫ The organizational structure lacks sufficient accountability and incentives.
Which corporate cultural change contributes to improving the effectiveness of CAPEX spending?

A. Build a financial control function that delivers high-quality reports on operational expenses for business insight and financial reporting.
B. CxO-level staff must have a full technical understanding but the should not trust their technical leaders fully.
C. Adopt new organizational models that promote real accountability for RO
D. not just revenu
E. EBITDA, and cash.
F. Marketing and product management divisions must reduce their CAPEX budgets significantly to drive the change.

Answer: C

NEW QUESTION 4
You are designing a network running both IPv4 and IPv6 to deploy QoS Which consideration is correct about the QoS for IPv4 and IPv6?

A. IPv4 and IPv6 traffic types can use use queuing mechanisms such as LLQ, PQ and CQ.
B. IPv6 packet classification is only available with process switching, whereas IPv4 packet classification is available with both process switching and CEF.
C. IPv6 and IB/4 traffic types can use a single QoS policy to match both protocols
D. Different congestion management mechanisms need to be used for IPv4 and IPv6 traffic types

Answer: C

NEW QUESTION 5
Refer to the exhibit.
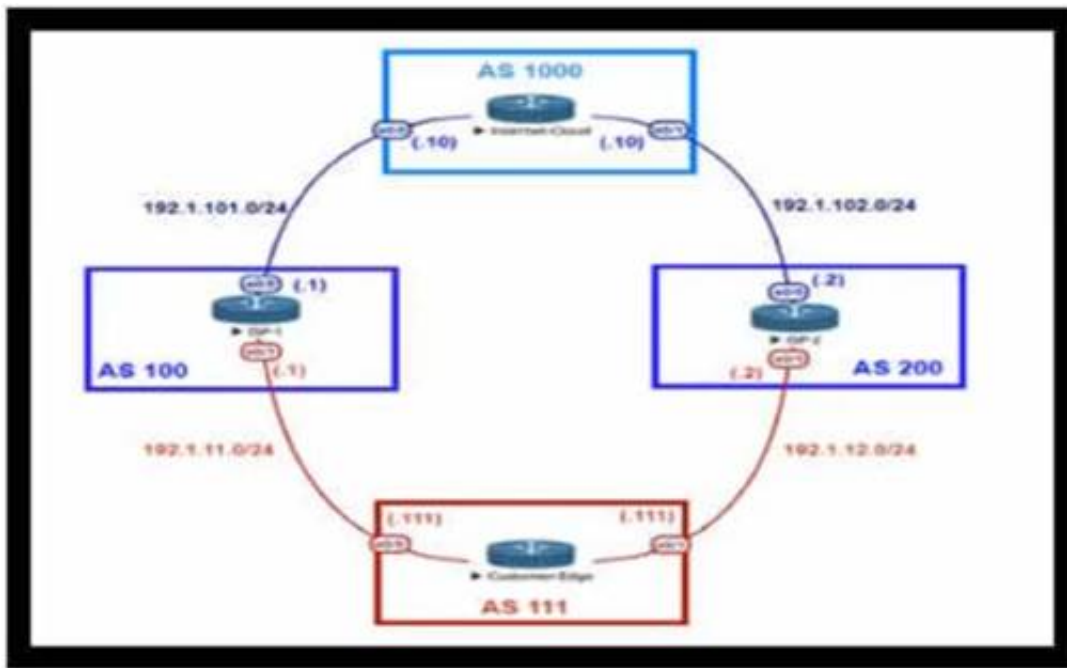
An engineer is designing the traffic flow for AS 111. Traffic from AS 111 should be preferred via AS 100 for all external routes. A method must be used that only affects AS 111. Which BGP attributes are best suited to control outbound traffic?

A. community
B. MED
C. local preference
D. As path

Answer: C

NEW QUESTION 6

Company XYZ wants to improve the security design of their network to include protection from reconnaissance and DoS attacks on their sub interfaces destined toward next hop routers. Which technology can be used to prevent these types of attacks?

A. MPP
B. CPPr
C. CoPP
D. DPP

Answer: B

Explanation:
https://learningnetwork.cisco.com/s/question/0D53i00000KsuyvCAB/copp-vs-cppr

NEW QUESTION 7

A Service Provider is designing a solution for a managed CE service to a number of local customers using a single CE platform and wants to have logical separation on the CE platform using Virtual Routing and Forwarding (VRF) based on IP address ranges or packet length. Which is the most scalable solution to provide this type of VRF Selection process on the CE edge device?

A. Static Routes for Route Leaking
B. Policy Based Routing
C. OSPF per VRF Instance
D. Multi-Protocol BGP

Answer: B

NEW QUESTION 8

Which two statements describe the hierarchical LAN design model? (Choose two)

A. It is a well-understood architecture that provides scalability
B. It is the best design for modern data centers
C. It is the most optimal design but is highly complex
D. It provides a simplified design
E. Changes, upgrades, and new services can be introduced in a controlled and stagged manner

Answer: AE

NEW QUESTION 9

Which purpose of a dynamically created tunnel interface on the design of IPv6 multicast services Is true?

A. first-hop router registration to the RP
B. multicast client registration to the RP
C. multicast source registration to the RP
D. transport of all IPv6 multicast traffic

Answer: D

NEW QUESTION 10

What are two design constraints in a standard spine and leaf architecture? (Choose two.)

A. Spine switches can connect to each other.
B. Each spine switch must connect to every leaf switch.
C. Leaf switches must connect to each other.
D. Endpoints connect only to the spine switches.
E. Each leaf switch must connect to every spine switch.

Answer: BE

NEW QUESTION 10
A network design includes a long signaling delay in notifying the Layer 3 control plane that an interface has failed Which two of these actions would reduce that delay? (Choose two.)

A. Increase network stability.
B. Reduce the time for the network to reconverge.
C. Increase the notification of interface flaps.
D. Enable lower data link layer recovery systems to have an opportunity to restore the interface

Answer: BD

NEW QUESTION 11
In an OSPF network with routers connected together with Ethernet cabling, which topology typically takes the longest to converge?

A. partial mesh
B. full mesh
C. ring
D. squared
E. triangulated

Answer: B

NEW QUESTION 15
How can EIGRP topologies be designed to converge as fast as possible in the event of a point-to-point link failure?

A. Limit the query domain by use of distribute lists.
B. Build neighbor adjacencies in a triangulated fashion.
C. Build neighbor adjacencies in squared fashion.
D. Limit the query domain by use of summarization.
E. Limit the query domain by use of default routes.

Answer: D

NEW QUESTION 16
Refer to the exhibit.
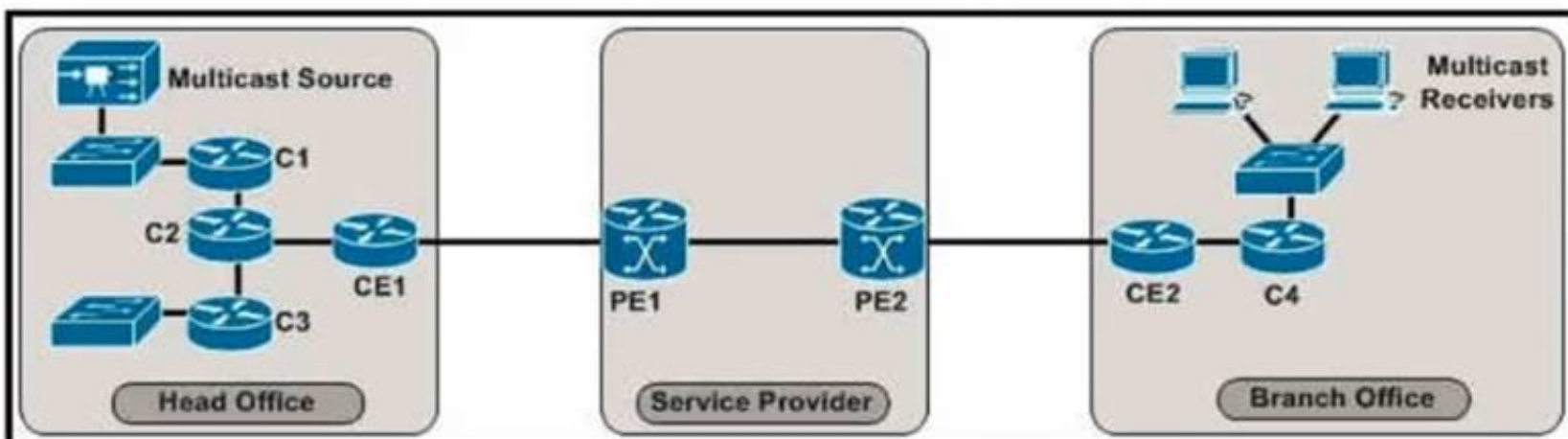
The enterprise customer wants to stream one-way video from their head office to eight branch offices using multicast. Their current service provider provides a Layer3 VPN solution and manages the CE routers, but they do not currently support multicast. Which solution quickly allows this multicast traffic to go through while allowing for future scalability?

A. Enable a GRE tunnel between nodes CE1 and CE2
B. Enable a GRE tunnel between nodes C2 and C4
C. Enable a GRE tunnel between nodes C1 and C4
D. Implement hub and spoke MPLS VPN over DMVPN (also known as 2547o DMVPN) between CE1 and CE2
E. The service provider must provide a Draft Rosen solution to enable a GRE tunnel between nodes PE1 and PE2

Answer: B

NEW QUESTION 20
Which BGP feature provides fast convergence?

A. BGP PIC |
B. BGP-EVPN
C. BGP FlowSpec
D. BGP-LS

Answer: A

NEW QUESTION 23
What are two descriptions of network optimization? (Choose two.)

A. maintain high availability
B. proactive network management
C. network redesign
D. network health maintenance
E. identify network requirements

Answer: AD

NEW QUESTION 25
During evaluation of migrating current on premises infrastructure to add cloud-based infrastructure, a network planning team must meet three core requirements as they make recommendations on which cloud strategy to adopt going forward
• Technology is changing rapidly, therefore the enterprise must be open to adopting new ways of doing things, and be ready to invest CapEx-funds in the next three years
• Network bandwidth capacity requirements are dynamic and are expected to change over the next year
• If new technologies are to be introduced, operational expenses must be kept at a minimum. Which cloud strategy meets these requirements?

A. private
B. hybrid
C. public
D. multicloud

Answer: D

NEW QUESTION 30
SDN emerged as a technology trend that attracted many industries to move from traditional networks to SDN. Which challenge is solved by SDN for cloud service providers?

A. need for intelligent traffic monitoring
B. exponential growth of resource-intensive application
C. complex and distributed management flow
D. higher operating expense and capital expenditure

Answer: B

NEW QUESTION 32
You are designing a network for a branch office. In order to improve convergence time, you are required to use the BFD feature Which four routing protocols can you use to facilitate this? (Choose four.)

A. IS-IS
B. static
C. RIP
D. EIGRP
E. BGP

Answer: ABDE

NEW QUESTION 37
Which extensions to GRE tunneling provide session tracking and in-order packet delivery in exchange for additional state stored in tunnel endpoints?

A. GRE Protocol Type and Checksum extension fields.
B. GRE Version and Reserved0 extension fields.
C. No extension fields are available in the GRE header to track session data and packet sequences.
D. GRE Key and Sequence number extensions.

Answer: D

NEW QUESTION 42
Company XYZ asks for design recommendations for Layer 2 redundancy. The company wants to prioritize fast convergence and resiliency elements. In the design. Which two technologies are recommended? (Choose two.)

A. Design MLAG/MC-LAG into the network wherever possible.
B. Configure DHCP snooping on the switches.
C. Use root guard.
D. Use BPDU guard.
E. Use UniDirectional Link Detection.

Answer: AE

NEW QUESTION 44
What best describes the difference between Automation and Orchestration?

A. Automation refers to an automatic process for completing a single task and Orchestration refers to assembling and coordinating a set of tasks and conditions.
B. Automation describes a hands-off configuration process while Orchestration refers to sets of automation tasks that require the network administrator to coordinate
C. Automation refers to an automatic process for completing multiple tasks with conditions and Orchestration refers to executing tasks in parallel.
D. Automation refers to scripting languages (Pytho
E. Ansible etc.) and Orchestration refers to commercial products that control configuration deployment

Answer: A

NEW QUESTION 49
An architect designs a multi-controller network architecture with these requirements:

> Achieve fast failover to control traffic when controllers fail.

> Reduce connectivity loss and enable smart recovery to improve the SDN survivability.

> Improve connectivity by adding path diversity and capacity awareness for controllers.
Which control plane component of the multi-controller must be built to meet the requirements?

A. control node reliability
B. controller stale consistency
C. control path reliability
D. controller clustering

Answer: B

NEW QUESTION 50
A multicast network is sing Bidirectional PIM. Which two combined actions achieve high availability so that two RPs within the same network can act in a redundant manner? (Choose two)

A. Use two phantom RP addresses
B. Manipulate the administration distance of the unicast routes to the two RPs
C. Manipulate the multicast routing table by creating static mroutes to the two RPs
D. Advertise the two RP addresses in the routing protocol
E. Use anycast RP based on MSDP peering between the two RPs
F. Control routing to the two RPs through a longest match prefix

Answer: AF

Explanation:
https://community.cisco.com/t5/networking-knowledge-base/rp-redundancy-with-pim-bidir-phantom-rp/ta-p/31

NEW QUESTION 53
Which actions are performed at the distribution layer of the three-layer hierarchical network design model? (Choose two)

A. Fast transport
B. Reliability
C. QoS classification and marking boundary
D. Fault isolation
E. Redundancy and load balancing

Answer: DE

NEW QUESTION 55
Which technology supports antispoofing and does not have any impact on encryption performance regardless of packet size?

A. MACsec
B. IP source guard
C. DHCP snooping with DAI
D. IPsec

Answer: A

NEW QUESTION 56
An engineer is designing the QoS strategy for Company XYZ. Based on initial analysis, a lot of scavenger type of traffic is traversing the network's 20Mb Internet link toward the service provider. The new design must use a QoS technique that limits scavenger traffic to 2 Mbps, which helps avoid oversubscription of the link during times of congestion. Which QoS technique can be used to facilitate this requirement?

A. class-based traffic policing
B. LLQ
C. CBWFQ
D. class-based traffic shaping

Answer: C

NEW QUESTION 59
Identity and access management between multiple users and multiple applications has become a mandatory requirement for Company XYZ to fight against ever increasing cybersecurity threats. To achieve this, federated identity services have been deployed in the Company XYZ network to provide single sign-on and Multi-Factor Authentication for the applications and services. Which protocol can be used by Company XYZ to provide authentication and authorization services?

A. OAuth2
B. OpenID Connect
C. OpenID
D. SAML2.0

Answer: D

NEW QUESTION 62
Hybrid cloud computing allows organizations to like advantage of public and private cloud models Which best practice should organizations follow to ensure data security in the private cloud?

A. Use standard protocols for data transmission over the network.
B. Encrypt data when it is at rest and in motion
C. Communicate all data security risks to customers and end users.
D. Use standard network protocols for data communication between unsecured network connections.

Answer: B

NEW QUESTION 64
Which methodology is the leading lifecycle approach to network design and implementation?

A. PPDIOO
B. Waterfall model
C. Spiral model
D. V model

Answer: A

NEW QUESTION 69
Which feature must be part of the network design to wait a predetermined amount of time before notifying the routing protocol of a change in the path in the network?

A. Transmit delay
B. Throttle timer
C. SPF hold time
D. Interface dampening

Answer: B

NEW QUESTION 74
Company XYZ has designed their network to run GRE over IPsec on their Internet-based VPN to connect two sites. Which IPsec tunneling feature can they enable to optimize the data flow while ensuring that the headers contain no duplicate IP addresses?

A. Transport Mode in IPsec Phase I
B. Transport Mode in IPsec Phase II
C. Tunnel Mode in IPsec Phase II
D. Tunnel Mode in IPsec Phase I

Answer: B

NEW QUESTION 75
In the case of outsourced IT services, the RTO is defined within the SLA. Which two support terms are often included in the SLA by IT and other service providers? (Choose two.)

A. network size and cost
B. support availability
C. network sustainability
D. network reliability
E. resolution time

Answer: BE

NEW QUESTION 76
Company XYZ has 30 sites using MPLS L3 VPN and the company is now concerned about data integrity. The company wants to redesign the security aspect of their network based on these requirements:
• Securely transfer the corporate data over the private WAN
• Use a centralized configuration model.
• Minimize overhead on the tunneled traffic.
Which technology can be used in the new design to meet the company's requirements?

A. S-VTI
B. DMVPN
C. MGRE
D. GET VPN

Answer: D

NEW QUESTION 79
Refer to the table.

CONNECTIVITY	CAPEX	OPEX ANNUAL	INSTALLATION FEE	TERM
DWDM over dark fiber	$250,000	$100,000	$30,000	60 months
CWDM over dark fiber	$150,000	$100,000	$25,000	60 months
MPLS	$50,000	$150,000	$75,000	12 months
Metro Ethernet	$45,000	$125,000	$5,000	36 months

A customer investigates connectivity options for a DCI between two production data centers. The solution must provide dual 10G connections between locations with no single points of failure for Day 1 operations. It must also include an option to scale for up to 20 resilient connections in the second year to accommodate isolated SAN over IP and isolated, dedicated replication IP circuits. All connectivity methods are duplex 10 Gbps. Which transport technology costs the least over two years, in the scenario?

A. Metro Ethernet
B. DWDM
C. CWDM
D. MPLS

Answer: B

NEW QUESTION 82
Which feature is supported by NETCONF but is not supported by SNMP?

A. distinguishing between configuration data and operational data
B. taking administrative actions
C. collecting the status of specific fields
D. changing the configuration of specific fields

Answer: A

NEW QUESTION 87
Which design principal improves network resiliency?

A. Added load-balancing
B. Added redundancy
C. Added confidentiality
D. Added reliability

Answer: B

NEW QUESTION 89
A healthcare customer requested that SNMP traps must be sent over the MPLS Layer 3 VPN service. Which protocol must be enabled?

A. SNMPv3
B. Syslog
C. Syslog TLS
D. SNMPv2
E. SSH

Answer: A

NEW QUESTION 94
Which development model is closely associated with traditional project management?

A. static model
B. Agile model
C. evolutionary delivery model
D. lifecycle model

Answer: C

NEW QUESTION 97
The controller has a global view of the network, and it can easily ensure that the network is in a consistent and optimal configuration. Which two statements describe a centralized SDN control path? (Choose two.)

A. Scaling of the centralized controller cluster is challenging for services like DHCP and load-balancing.
B. It is highly-available by design with no single-point-of-failure risks present.
C. Integrating smart NIC capabilities on the local host level is made easier through rest APIs.
D. It significantly improves the latency when performing reactive handling of PACKET_IN events.
E. It centralized controller can support all southbound APIs, which allows for easy integration with legacy equipment.

Answer: AE

NEW QUESTION 101

You have been tasked with designing a data center interconnect to provide business continuity You want to encrypt the traffic over the DCI using IEEE 802 1AE MACsec to prevent the deployment of any firewall or IPS. Which two interconnect technologies support MACsec? (Choose two.)

A. EoMPLS
B. MPLS Layer 3 VPN
C. DMVPN
D. GET VPN
E. KVPLS

Answer: AE

NEW QUESTION 103
Refer to the exhibit.
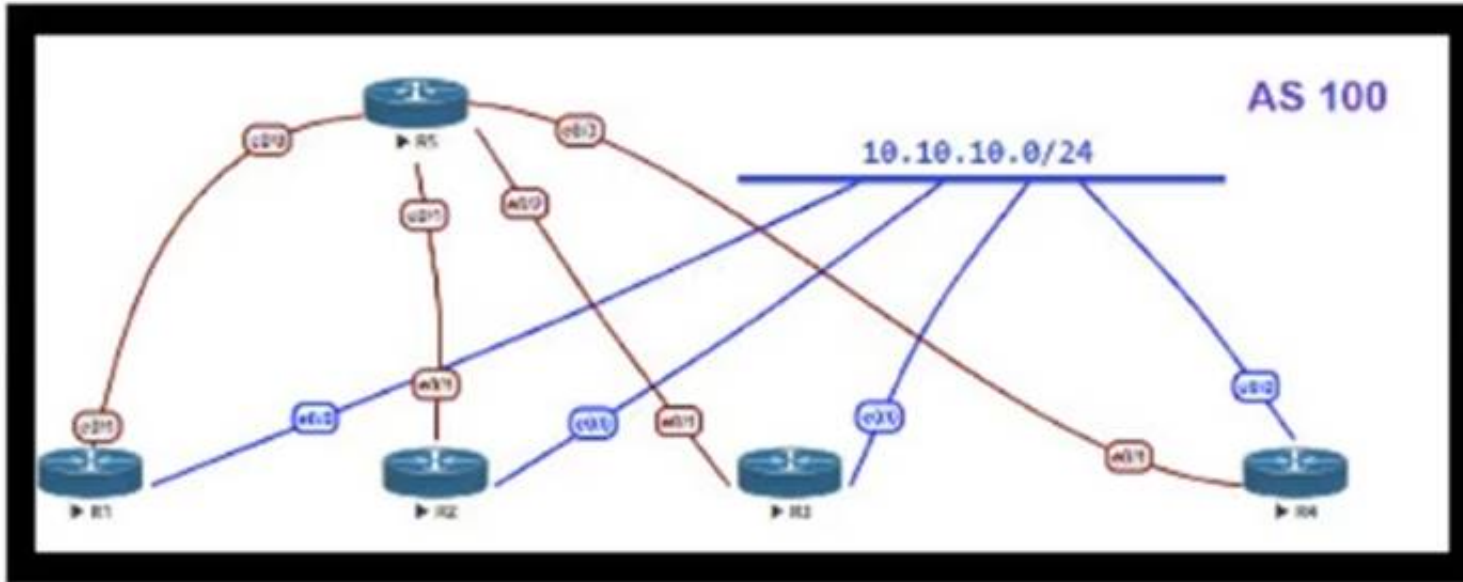
OSPF is running as the IGP to provide reachability to all AS100 networks R3 and R4 are the current ABRs at the boundary of OSPF Area0 and Areal Now BGP must be deployed within AS 100 because it will be receiving Internet routes from its eBGP peers (the service provider) connected to R1 and R2 What is an optimal solution for this deployment to configure BGP relationships and redistribute BGP learned routes into OSPF?

A. R5 should be configured as a route reflector for R1, R2, R3 and R4. BGP routes must be redistributed at R1 and R2 into OSPF.
B. Configuration should be set up with R1 and R2, and R3 in one sub AS, with and R4 in another, and redistribution at R1 and R2.
C. A full mesh should be deployed between all the routers with mutual redistribution to take place at R1 and R2.
D. R1, R2, R3 and R4 must be set up with a neighbor relationship with R5 only must not be a routereflector.

Answer: C

NEW QUESTION 108
Company XYZ is planning to deploy primary and secondary (disaster recovery) data center sites. Each of these sites will have redundant SAN fabrics and data protection is expected between the data center sites. The sites are 100 miles (160 km) apart and target RPO/RTO are 3 hrs and 24 hrs, respectively. Which two considerations must Company XYZ bear in mind when deploying replication in their scenario? (Choose two.)

A. Target RPO/RTO requirements cannot be met due to the one-way delay introduced by the distance between sites.
B. VSANs must be routed between sites to isolate fault domains and increase overall availability.
C. Synchronous data replication must be used to meet the business requirements
D. Asynchronous data replication should be used in this scenario to avoid performance impact in the primary site.
E. VSANs must be extended from the primary to the secondary site to improve performance and availability.

Answer: CD

Explanation:
synchronous data replication must be used to meet the business requirements, is incorrect. As described above, asynchronous replication would be a better choice in this scenario due to the distance between the data center sites and the target RPO/RTO requirements.
asynchronous data replication should be used in this scenario to avoid performance impact in the primary site, is correct. Asynchronous replication would allow Company XYZ to meet the target RPO/RTO requirements while avoiding the performance impact of synchronous replication.
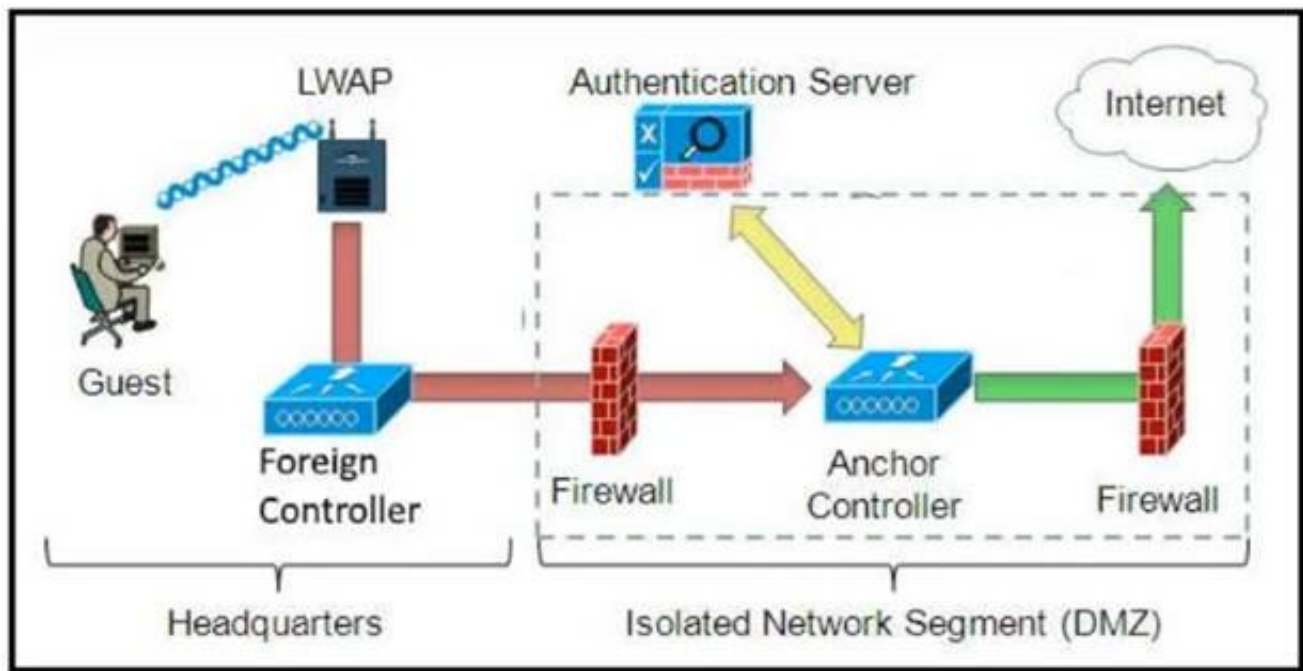

NEW QUESTION 111
While reviewing an existing network design, you are discussing the characteristics of different STP versions. Which protocol minimizes unicast flooding during a Topology Change Notification in a Layer 2 switched network with many VLANs?

A. PVRSTP
B. MST
C. STP
D. PVSTP+

Answer: A

NEW QUESTION 116
Refer to the diagram.

Which solution must be used to send traffic from the foreign wireless LAN controller to the anchor wireless LAN controller?

A. Send packets from the foreign controller to the anchor controller via Layer 3 MPLS VPN or VRF-Lite
B. Send packets without encapsulation to the anchor controller over the routed network.
C. Encapsulate packets into an EoIP tunnel and send them to the anchor controller.
D. Send packets from the foreign controller to the anchor controller via IPinIP or IPsec tunnel.

Answer: C

NEW QUESTION 119
An enterprise plans to evolve from a traditional WAN network to a software-defined WAN network. The existing devices have limited capability when it comes to virtualization. As the migration is carried out, enterprise applications and services must not experience any traffic impact. Which implementation plan can be used to accommodate this during the migration phase?

A. Deploy controllers, deploy SD-WAN edge router
B. In the data center, and migrate branch sites.
C. Migrate data center WAN routers, migrate branch sites, and deploy SD-WAN edge routers.
D. Migrate branch sites, migrate data center WAN routers, and deploy controllers.
E. Deploy SD-WAN edge routers in the data center, deploy controllers, and migrate branch sites

Answer: A

NEW QUESTION 123
The network team in XYZ Corp wants to modernize their infrastructure and is evaluating an implementation and migration plan to allow integration MPLS-based, Layer 2 Ethernet services managed by a service provider to connect branches and remote offices. To decrease OpEx and improve
response times when network components fail, XYZ Corp decided to acquire and deploy new routers. The network currently is operated over E1 leased lines (2 Mbps) with a managed CE service provided by the telco.
Drag and drop the implementation steps from the left onto the corresponding targets on the right in the correct order.

Activation of the MPLS-based L2VPN service.	Step 1
Monitor performance of the Ethernet service for a predefined period of time.	Step 2
Decomission E1 leased line.	Step 3
Deployment of new branch routers.	Step 4
Test and validation of SLA parameters in the L2VPN.	Step 5
Migrate E1 to the new Ethernet service.	Step 6

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Table Description automatically generated

NEW QUESTION 128
A business wants to refresh its legacy Frame Relay WAN. It currently has product specialists in each of its 200 branches but plans to reduce and consolidate resources. The goal is to have product specialists available via video link when customers visit the nationwide branch offices. Which technology should be used to meet this objective?

A. DMVPN phase 1 network over the Internet
B. Layer 3 MPLS VPN hub and spoke
C. Layer2VPLS
D. Layer 3 MPLS VPN full mesh

Answer: D

NEW QUESTION 132
A healthcare provider discovers that protected health information of patients was altered without patient consent. The healthcare provider is subject to HIPAA compliance and is required to protect PHI data. Which type of security safeguard should be implemented to resolve this issue?

A. technical and physical access control
B. administrative security management processes
C. physical device and media control
D. technical integrity and transmission security

Answer: D

Explanation:
https://www.cisco.com/en/US/docs/solutions/Enterprise/Compliance/HIPAA/HIP_AppC.html#wp1085353

NEW QUESTION 135
What is an architectural framework created by ETSI that defines standards to decouple network functions from proprietary hardware-based appliances and have them run in software on standard x86 servers?

A. NFVIS
B. NFV
C. VNF

Answer: C

NEW QUESTION 138
In search of a system capable of hosting, monitoring compiling. and testing code in an automated way, what can be recommended to the organization?

A. Jenkins
B. Ansible
C. Perl
D. Chef

Answer: A

NEW QUESTION 141
Company XYZ network runs IPv4 and IPv6 and they want to Introduce a multidomain, multicast-based network. The new design should use a flavor of PIM that forwards traffic using SPT. Which technology meets this requirement?

A. PIM-DM
B. PIM-SM
C. PIM-SSM
D. BIDIR-PIM

Answer: C

NEW QUESTION 144
A network security team observes phishing attacks on a user machine from a remote location. The organization has a policy of saving confidential data on two different systems using different types of authentication. What is the next step to control such events after the security team verifies all users in Zero Trust modeling?

A. Enforce risk-based and adaptive access policies.
B. Assess real-time security health of devices.
C. Apply a context-based network access control policy for users.
D. Ensure trustworthiness of devices.

Answer: B

NEW QUESTION 147
Company XYZ uses an office model where the employees can use any open desk and plug their laptops in. They want to authenticate the end users using their domain username and password before allowing them access to the network. The design must also accommodate the ability of controlling traffic within the same group or subnet if a macro (or micro) segmentation-based model is adopted in the future. Which protocol can be recommended for this design to authenticate end users?

A. LDAP

B. EAP
C. TACACS+
D. RADIUS

Answer: D

Explanation:
https://www.networkstraining.com/what-is-cisco-ise/

NEW QUESTION 148
When an SDN-based model is used to transmit multimedia traffic, which aspect should an architect consider while designing the network?

A. QoE estimation
B. security
C. traffic patterns
D. flow forwarding

Answer: A

NEW QUESTION 149
An architect prepares a network design for a startup company. The design must be able to meet business requirements while the business grows and divests due to rapidly changing markets. What is the highest priority in this design?

A. The network should be hierarchical
B. The network should be modular.
C. The network should be scalable.
D. The network should have a dedicated core.

Answer: A

NEW QUESTION 152
Which undesired effect of increasing the jitter compensation buffer is true?

A. The overall transport jitter decreases and quality improves.
B. The overall transport jitter increases and quality issues can occur.
C. The overall transport delay increases and quality issues can occur.
D. The overall transport delay decreases and quality improves.

Answer: C

NEW QUESTION 157
A network architect must redesign a service provider edge, where multiservice and multitenant PEs are currently present. Which design feature should be minimized in the new design to achieve reliability?

A. bridging
B. fate sharing
C. redundancy
D. unicast overlay routing

Answer: B

NEW QUESTION 158
Company XYZ is running OSPF in their network. They have merged with another company that is running EIGRP as the routing protocol. Company XYZ now needs the two domains to talk to each other with redundancy, while maintaining a loop free environment. The solution must scale when new networks are added into the network in the near future. Which technology can be used to meet these requirements?

A. multipoint route-redistribution with route filtering using ACLs
B. DUMP multipoint route-redistribution with route filtering using route tags
C. DUMPS single point route-redistribution with route filtering using route tags
D. DUMPS single point route-redistribution with route filtering using ACLs

Answer: B

NEW QUESTION 159
Which two benefits can software defined networks provide to businesses? (Choose two.)

A. provides additional redundancy
B. decentralized management
C. reduced latency
D. enables innovation
E. reduction of OpEx/CapEx
F. meets high traffic demands

Answer: DE

NEW QUESTION 161
A customer migrates from a traditional Layer 2 data center network into a new SDN-based. spine-and-leaf VXLAN EVPN data center within the same location. The networks are joined to enable host migration at Layer 2 Which activity should be completed each time a legacy network is migrated?

A. The migrated VLAN should be pruned from the Layer 2 interconnects.
B. The migrated network should have a VXLAN VNID configured within the new network.
C. The migrated network should be advertised to the EVPN network as a Type 2 network.
D. The migrated network should be added to the EVPN BGP routing.

Answer: C

NEW QUESTION 164
What is a description of a control plane action?

A. de-encapsulating and re-encapsulating a packet in a data-link frame
B. matching the destination MAC address of an Ethernet frame to the MAC address table
C. matching the destination IP address of an IP packet to the IP routing table
D. hosts locating routers that reside on attached links using the IPv6 Neighbor Discover Protocol

Answer: D

NEW QUESTION 166
Which effect of using ingress filtering to prevent spoofed addresses on a network design is true?

A. It reduces the effectiveness of DDoS attacks when associated with DSCP remarking to Scavenger.
B. It protects the network Infrastructure against spoofed DDoS attacks.
C. It Classifies bogon traffic and remarks it with DSCP bulk.
D. It filters RFC 1918 IP addresses.

Answer: B

NEW QUESTION 169
A senior network designer suggests that you should improve network convergence times by reducing BGP timers between your CE router and the PE router of the service provider. Which two factors should you consider to adjust the timer values? (Choose two.)

A. service provider agreement to support tuned timers
B. manual updates to the peer groups
C. service provider scheduling of changes to the PE
D. number of routes on the CE router
E. number of VRFs on the PE router

Answer: AD

NEW QUESTION 172
Which function is performed at the access layer of the three-layer hierarchical network design model?

A. fault isolation
B. QoS classification and marking boundary
C. reliability
D. fast transport
E. redundancy and load balancing

Answer: B

NEW QUESTION 173
Company XYZ is designing their network using the three-layer hierarchical model. At which layer must the QoS design classify or mark the traffic?

A. access
B. core
C. collapsed core
D. distribution

Answer: A

NEW QUESTION 177
Organizations that embrace Zero Trust initiatives ranging from business policies to technology infrastructure can reap business and security benefits. Which two domains should be covered under Zero Trust initiatives? (Choose two)

A. workload
B. work domain
C. workplace
D. workgroup
E. workspace

Answer: AC

NEW QUESTION 178
You are using iSCSI to transfer files between a 10 Gigabit Ethernet storage system and a 1 Gigabit Ethernet server The performance is only approximately 700 Mbps and output drops are occurring on the server switch port. Which action will improve performance in a cost-effective manner?

A. Change the protocol to CIFS.
B. Increase the queue to at least 1 GB
C. Use a WRED random drop policy
D. Enable the TCP Nagle algorithm on the receiver

Answer: A

NEW QUESTION 179
A banking customer determines that it is operating POS and POI terminals that are noncompliant with PCI DSS requirements, as it is running TLSv1.0. The customer plans to migrate the terminals to TLSv1.2. What are two requirements to complete the migration? (Choose two.)

A. Ensure that strong cryptography is applied for users who have administrative access through networks
B. Apply strong cryptography and security protocols to safeguard sensitive cardholder data.
C. Apply strong encryption for transmission of cardholder data across public networks.
D. Protect all user systems against malware and frequently update antivirus software
E. Maintain a policy that addresses information security for employees and third parties.

Answer: CE

NEW QUESTION 180
Company XYZ branch offices connect to the headquarter sites using two links, MPLS and Internet. The company wants to design the traffic flow so that voice traffic goes through the MPLS link and all other traffic uses either the MPLS link or the Internet link. Which technique can the company use in their design to ensure that the traffic is not process switched?

A. policy-based routing
B. virtual links
C. visualization
D. floating static route

Answer: A

NEW QUESTION 181
Which two control plane policer designs must be considered to achieve high availability? (Choose two.)

A. Control plane policers are enforced in hardware to protect the software path, but they are hardware platform dependent in terms of classification ability.
B. Control plane policers are really needed only on externally facing devices.
C. Control plane policers can cause the network management systems to create false alarms.
D. Control plane policers must be processed before a forwarding decision is made.
E. Control plane policers require that adequate protocols overhead are factored in to allow protocol convergence.

Answer: AD

NEW QUESTION 186
A service provider hires you to design its new managed CE offering to meet these requirements
• The CEs cannot run a routing protocol with the PE
• Provide the ability for equal or unequal ingress load balancing in dual-homed CE scenarios.
• Provide support for IPv6 customer routes
• Scale up to 250.000 CE devices per customer.
• Provide low operational management to scale customer growth.
• Utilize low-end (inexpensive) routing platforms for CE functionality. Which tunneling technology do you recommend?

A. FlexVPN
B. point-to-point GRE
C. DMVPN
D. LISP

Answer: D

NEW QUESTION 191
An engineer must design a network for a company that uses OSPF LFA to reduce loops. Which type of loop would be reduced by using this design?

A. DTP
B. micro loops
C. STP
D. REP

Answer: B

NEW QUESTION 196
Company XYZ has a multicast domain that spans across multiple autonomous systems. The company wants to choose a technology that provides simplified and controlled approach to interconnecting the multicast domains. Which technology is the best fit for this purpose?

A. MSDP

B. PIM SSM
C. MPLS
D. PIM sparse mode

Answer: A

NEW QUESTION 199
An MPLS service provider is offering a standard EoMPLS-based VPLS service to Customer A. providing Layer 2 connectivity between a central site and approximately 100 remote sites. Customer A wants to use the VPLS network to carry its internal multicast video feeds which are sourced at the central site and consist of 20 groups at Mbps each. Which service provider recommendation offers the most scalability?

A. EoMPLS-based VPLS can carry multicast traffic in a scalable manner
B. Use a mesh of GRE tunnels to carry the streams between sites
C. Enable snooping mechanisms on the provider PE routers.
D. Replace VPLS with a Layer 3 MVPN solution to carry the streams between sites

Answer: D

NEW QUESTION 204
Which mechanism provides Layer 2 fault isolation between data centers?

A. fabric path
B. OTL
C. advanced VPLS
D. LISP
E. TRILL

Answer: D

NEW QUESTION 206
A network architect in an enterprise is designing a network policy for certain database applications. The goal of the policy is to allow these applications to access the internet directly, whereas other user and network applications that communicate with systems or users outside their own network must be routed through the data center. The focus is on achieving higher availability and a better user experience for the database applications, but switching between different network paths based on performance characteristics must be supported.
Which solution meets these requirements?

A. MPLS L3VPN with QoS
B. Cloud onRamp for IaaS
C. Cloud onRamp for SaaS
D. MPLS direct connect

Answer: C

Explanation:
https://www.cisco.com/c/en/us/solutions/collateral/enterprise-networks/sd-wan/nb-06-cloud-onramp-saas-faq-ct

NEW QUESTION 211
Your network operations team is deploying Access Control Lists (ACLs) across your Internet gateways They wish to place an ACL inbound on the Internet gateway interface facing the core network (the "trusted" interface). Which IP address would the ACL need for traffic sourced from the inside interface, to match the source address of the traffic?

A. inside global
B. outside global
C. inside local
D. outside local

Answer: C

NEW QUESTION 213
Which parameter is the most important factor to consider when deciding service placement in a cloud solution?

A. data replication cost
B. application structure
C. security framework Implementation time
D. data confidentiality rules

Answer: D

NEW QUESTION 214
Company XYZ must design a strategy to protect their routers from DoS attacks, such as traffic destined to the router's own route processor, using separate control plane categories. Which two capabilities can be used to achieve this requirement? (Choose two.)

A. Control Plane Protection using queue thresholding on the transit subinterface
B. Control Plane Protection using port filtering on the transit subinterface
C. Control Plane Protection using port filtering on the main interface
D. Control Plane Protection using queue thresholding on the host subinterface
E. Control Plane Protection using port filtering on the host subinterface

Answer: DE

NEW QUESTION 217
Which two aspects are considered when designing a dual hub dual DMVPN cloud topology? (Choose two)

A. will only work with single-tier headend architecture
B. hub sites must connect to both DMVPN clouds
C. recommended for high availability
D. spoke-to-spoke traffic will transit the hub unless spokes exchange dynamic routing directly
E. requires all sites to have dual Internet connections

Answer: AC

NEW QUESTION 218
Company ABC wants to minimize the risk of users plugging unauthorized switches and hubs into the network Which two features can be used on the LAN access ports to support this design requirement? (Choose two.)

A. Loop Guard
B. PortFast
C. DTF
D. Root Guard
E. BPDU Guard

Answer: BE

NEW QUESTION 220
How must the queue sizes be designed to ensure that an application functions correctly?

A. Each individual device queuing delay in the chain must be less than or equal to the application required delay.
B. The queuing delay on every device in the chain must be exactly the same to the application required delay.
C. The default queue sizes are good for any deployment as it compensates the serialization delay.
D. The sum of the queuing delay of all devices plus serialization delay in the chain must be less than or equal to the application required delay.

Answer: D

NEW QUESTION 223
An enterprise network has two core routers that connect to 200 distribution routers and uses full-mesh IBGP peering between these routers as its routing method. The distribution routers are experiencing high CPU utilization due to the BGP process. Which design solution is the most cost effective?

A. Implement route reflectors on the two core routers
B. Increase the memory on the core routers
C. Implement e BGP between the core and distribution routers
D. Increase the memory on the distribution routers
E. Increase bandwidth between the core routers

Answer: A

NEW QUESTION 228
What are two primary design constraints when a robust infrastructure solution is created? (Choose two.)

A. monitoring capabilities
B. project time frame
C. staff experience
D. component availability
E. total cost

Answer: BE

NEW QUESTION 231
Customer XYZ network consists of an MPLS core. IS-IS running as IGP a pair of BGP route reflectors for route propagation, and a few dozens of MPLS-TE tunnels for specific tactical traffic engineering requirements. The customer's engineering department has some questions about the use of the Overload Bit in the IS-IS networks and how it could be used to improve their current network design. Which two concepts about the Overload Bit are true? (Choose two.)

A. It can be set on a router during the startup process for a fixed period of time
B. Networks advertised within the LSPs of the respective node will become unreachable
C. It forces the midpoint MPLS-TE node to reoptimize the primary tunnels going through the OL node.
D. It can be set on a router until other interacting protocols have signaled convergence.
E. It is not recommended on BGP Route Reflectors

Answer: AD

NEW QUESTION 234
Which two features describe controller-based networking solutions compared to traditional networking solutions? (Choose two.)

A. inflate licensing costs

B. reduce network configuration complexity
C. provide centralization of primary IT functions
D. allow for fewer network failures
E. increase network bandwidth usage

Answer: BC

NEW QUESTION 238
Which two types of planning approaches are used to develop business-driven network designs and to facilitate the design decisions? (Choose two)

A. cost optimization approach
B. strategic planning approach
C. modular approach
D. tactical planning approach
E. business optimization approach

Answer: BD

NEW QUESTION 243
According to the CIA triad principles for network security design, which principle should be priority for a Zero Trust network?

A. requirement for data-in-motion encryption and 2FA authentication
B. requirement for data-at-rest encryption foe user identification within the VPN termination hardware
C. categorization of systems, data, and enterprise BYOD assets that are connected to network zones based on individual privacy needs
D. ensuring that authorized users have high-availability system access from defined zones to defined systems or zones

Answer: A

NEW QUESTION 246
An enterprise campus is adopting a network virtualization design solution with these requirements

> It must include the ability to virtualize the data plane and control plane by using VLANs and VRFs

> It must maintain end-to-end logical path transport separation across the network

> resources available grouped at the access edge

Which two primary models can this network virtualization design be categorized? (Choose two)

A. Path isolation
B. Session isolation
C. Group virtualization
D. Services virtualization
E. Edge isolation

Answer: AD

NEW QUESTION 248
Which two conditions must be met for EIGRP to maintain an alternate loop-free path to a remote network? (Choose two.)

A. The Reported Distance from a successor is lower than the local Feasible Distance.
B. The Reported Distance from a successor is higher than the local Feasible Distance.
C. The feasibility condition does not need to be met.
D. The Feasible Distance from a successor is lower than the local Reported Distance.
E. A feasible successor must be present.

Answer: AE

NEW QUESTION 249
Refer to the exhibit.
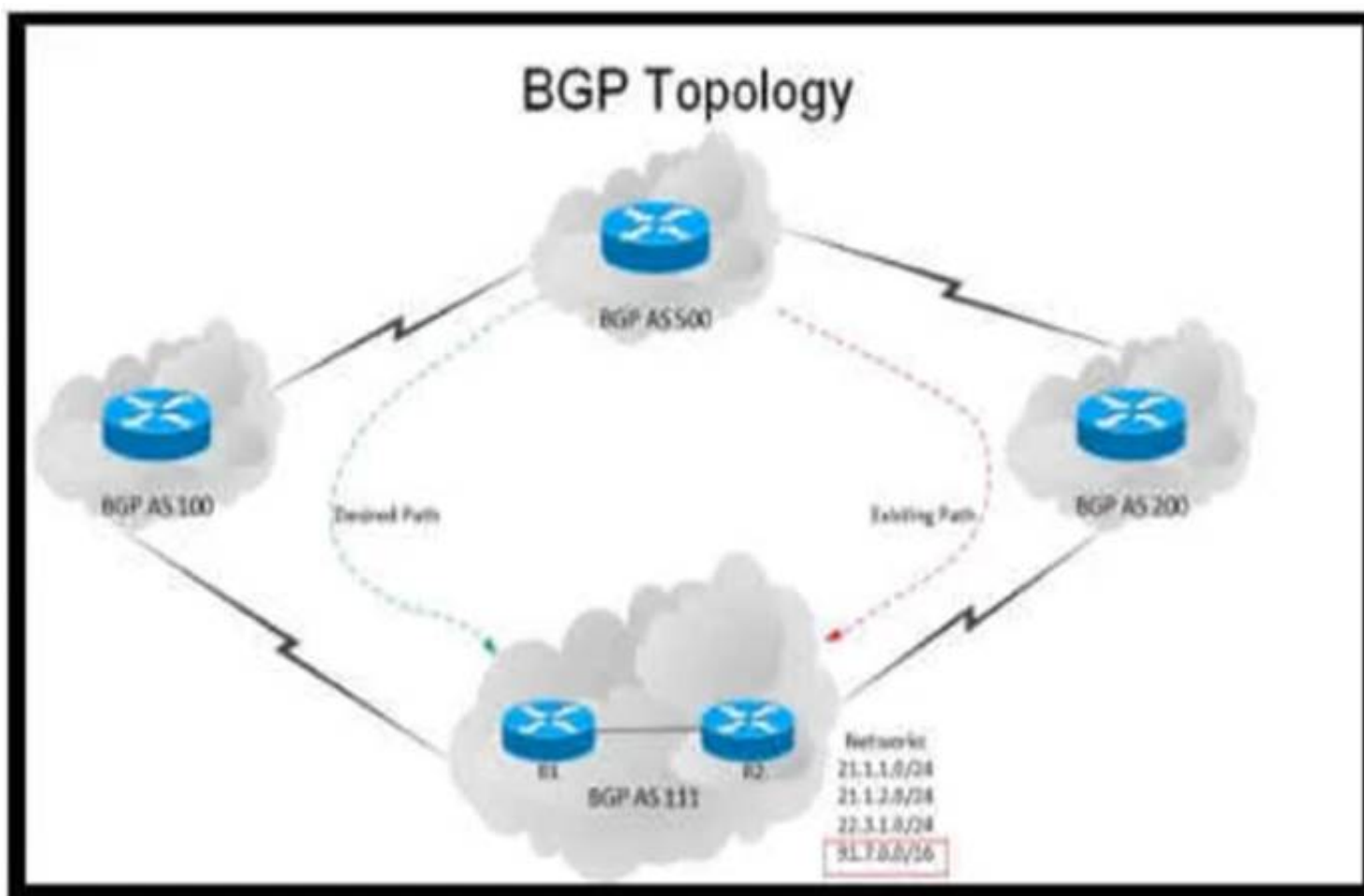
An engineer has been asked to redesign the traffic flow toward AS 111 coming from AS 500.Traffic destined to AS 111 network 91 7 0.0/16 should come in via AS 100. while traffic destined to all other networks in AS 111 should continue to use the existing path Which BGP attributes are best suited to control this inbound traffic coming from BGP AS 500 Into the 91.7.0.0/16 network?

A. Prepend AS path for the 91.7.0.0/16 network and set it for neighbor in AS 200.
B. Use extended community for the 91.7.0.0/16 network, not advertising it to the bi-lateral peer.
C. Use local preference on R1 for the networks that AS 500 advertises to AS 111.
D. Set higher MED for neighbor in AS 100 to influence incoming traffic for the 91. 7.0.0/16 network.

Answer: A

NEW QUESTION 251
How many fully established neighbour relationships exist on an Ethernet with five routers running OSPF as network type broadcast?

A. 5
B. 6
C. 7
D. 10
E. 20

Answer: C

Explanation:
Assuming routers R1-R5, R1 is elected DR, R2 BDR. Fully established neighborships only occur to DR and BDR, all other neighbors are in 2Way DR other state.
DR|BDRFull relationships:
R2-R1 R3-R1 R3-R2 R4-R1 R4-R2 R5-R1
R5-R2

NEW QUESTION 256
Which two actions must merchants do to be compliant with the Payment Card Industry Data Security Standard? (Choose two.)

A. conduct risk analyses
B. install firewalls
C. use antivirus software
D. establish monitoring policies
E. establish risk management policies

Answer: BC

NEW QUESTION 260
The Layer 3 control plane is the intelligence over the network that steers traffic toward its intended destination. Which two techniques can be used in service provider-style networks to offer a more dynamic, flexible, controlled, and secure control plane design? (Choose two.)

A. access control lists
B. firewalls
C. QoS policy propagation with BGP
D. remote black-holing trigger
E. prefix lists

Answer: DE

NEW QUESTION 263
Drag and drop the characteristics from the left onto the corresponding network management options on the right.

protocol based on HTTP for configuring data defined in YANG and supports operations such as GET, PUT, POST, PATCH, and DELETE	NETCONF
provides mechanisms to install, manipulate, and delete the configuration of network devices; uses XML for data encoding and the operation is realized as RPC	RESTCONF
application program interface that uses HTTP requests to GET, PUT, POST, and DELETE data	ANSIBLE
open-source software provisioning, configuration management, and application-deployment tool	YANG
data modeling language used to model configuration data, state data, remote procedure calls, and notifications for network management protocols	REST API

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated

NEW QUESTION 264
Company XYZ has implemented policy-based routing in their network. Which potential problem must be kept in mind about network reconvergence and PBR?

A. It can limit network scalability
B. It can create microloops during reconvergence
C. It increases convergence time.
D. It reduces convergence time.

Answer: B

NEW QUESTION 267
You have been asked to design a remote access VPN solution to support up to 2000 devices. You must ensure that only corporate assets are allowed to connect to the VPN, and users must authenticate to gain access of their based on their user role. Users must use a password that they are already using to access existing applications . A user may not always use the same device to access the VPN. Which two options combined meet the requirements? (Choose two)

A. Use local usernames and passwords on the VPN device
B. Deploy a central authentication directory that users can be authenticated and authorized against
C. Deploy certificates that are unique to each user
D. Deploy an IPsec VPN solution
E. Deploy certificates that are unique to each device
F. Deploy a SSL VPN solution

Answer: BF

NEW QUESTION 268
Agile and Waterfall are two popular methods for organizing projects. What describes any Agile network design development process?

A. working design over comprehensive documentation
B. contract negotiation over customer collaboration
C. following a plan over responding to change
D. processes and tools over individuals and interactions over time

Answer: A

NEW QUESTION 271
A business customer deploys workloads in the public cloud. Now the customer network faces governance issues with the flow of IT traffic and must ensure the security of data and intellectual property. Which action helps to identify the issue for further resolution?

A. Set up a secure tunnel from customer routers to ensure that traffic is protected as it travels to the cloud service providers.
B. Send IPFIX telemetry data from customer routers to a centralized collector to identify traffic to cloud service providers
C. Build a zone-based firewall policy on Internet edge firewalls that collects statistics on traffic sent to cloud service providers

D. Apply workload policies that dictate the security requirements to the workloads that are placed in the cloud.

Answer: B

NEW QUESTION 275
Which two mechanisms avoid suboptimal routing in a network with dynamic mutual redistribution between multiple OSPFv2 and EIGRP boundaries? (Choose two.)

A. AD manipulation
B. matching OSPF external routes
C. route tagging
D. route tagging
E. route filtering
F. matching EIGRP process ID

Answer: DE

Explanation:
https://www.cisco.com/c/en/us/support/docs/ip/enhanced-interior-gateway-routing-protocol-eigrp/8606-redist.ht

NEW QUESTION 276
What is the most important operational driver in building a resilient and secure modular network design?

A. Dependencies on hardware or software that is difficult to scale
B. Minimize app downtime
C. Reduce the frequency of failures requiring human intervention
D. Increase time spent on developing new features

Answer: B

NEW QUESTION 280
IPFIX data collection via standalone IPFIX probes is an alternative to flow collection from routers and switches. Which use case is suitable for using IPFIX probes?\

A. performance monitoring
B. security
C. observation of critical links
D. capacity planning

Answer: A

NEW QUESTION 282
Which three tools are used for ongoing monitoring and maintenance of a voice and video environment? (Choose three.)

A. flow-based analysis to measure bandwidth mix of applications and their flows
B. call management analysis to identify network convergence-related failures
C. call management analysis to identify CAC failures and call quality issues
D. active monitoring via synthetic probes to measure loss, latency, and jitter
E. passive monitoring via synthetic probes to measure loss, latency, and jitter
F. flow-based analysis with PTP time-stamping to measure loss, latency, and jitter

Answer: ACD

NEW QUESTION 285
Which two points must network designers consider when designing a new network design or when evaluating an existing network design to help them understand the high-level design direction with regards to the security aspects? (Choose two)

A. Consider Business objectives and goals
B. Consider organization's security policy standards
C. Consider for only multi-site networks
D. Consider for only new network technologies and components

Answer: AB

NEW QUESTION 286
A company plans to use BFD between its routers to detect a connectivity problem inside the switched network. An IPS is transparently installed between the switches. Which packets shold the IPS forward for BFD to work under all circumstances?

A. Fragmented packet with the do-not-fragment bit set
B. IP packets with broadcast IP source addresses
C. IP packets with the multicast IP source address
D. IP packet with the multicast IP destination address
E. IP packets with identical source and destination IP addresses
F. IP packets with the destination IP address 0.0.0.0.

Answer: E

NEW QUESTION 291
Refer to the exhibit.
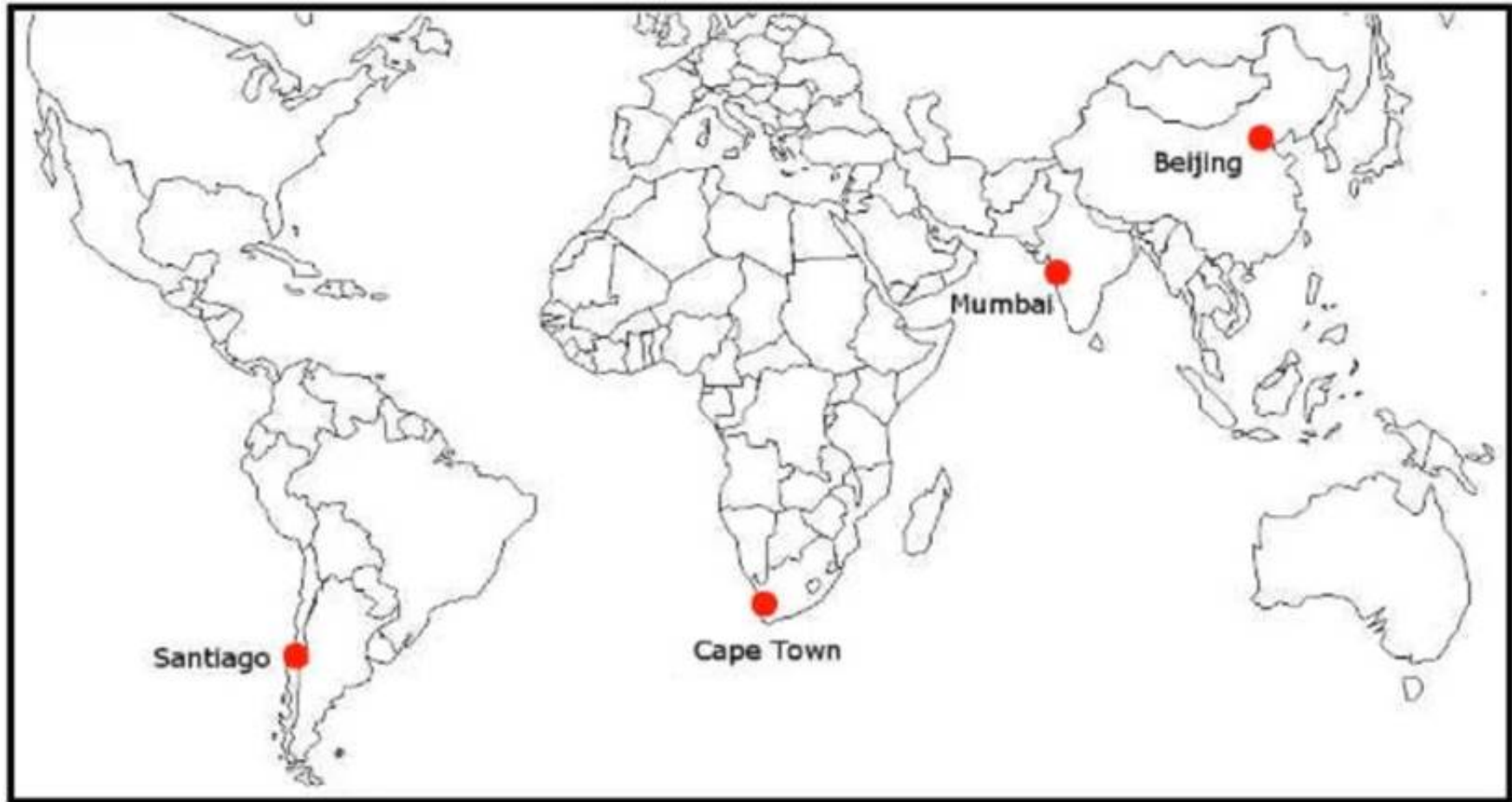
ACME Mining has four data centers in Santiago. Cape Town. Mumbai, and Beijing, full-mesh connected via a 400 Mb/s EVP-LAN They want to deploy a new mission-critical application with these requirements:

⟩ cluster heartbeat 2 Mb/s continuous (250 KB/s)

⟩ cluster heartbeat one-way maximum latency 100 ms

These are the current ping tests results between the four data centers:

	Santiago	Cape Town	Mumbai	Beijing
Santiago	-	280 ms	378 ms	409 ms
Cape Town	280 ms	-	185 ms	445 ms
Mumbai	383 ms	176 ms	-	443 ms
Beijing	430 ms	448 ms	442 ms	-

Which hosting data center pair can host the new application?

A. Mumbai and Beijing
B. Santiago and Cape Town
C. Santiago and Mumbai
D. Cape Town and Mumbai
E. Cape Town and Beijing
F. Santiago and Beijing

Answer: D

NEW QUESTION 292
As network designer, which option is your main concern with regards to virtualizing multiple network zones into a single hardware device?

A. Fate sharing
B. CPU resource allocation
C. Congestion control
D. Security
E. Bandwidth allocation

Answer: A

NEW QUESTION 293
Which two foundational aspects of loT are still evolving and being worked on by the industry at large? (Choose two)

A. WiFi protocols
B. Regulatory domains
C. Low energy Bluetooth sensors
D. loT consortia
E. Standards

Answer: AC

NEW QUESTION 298
Which two advantages of using DWDM over traditional optical networks are true? (Choose two.)

A. inherent topology flexibility and service protection provided without penalty through intelligent oversubscription of bandwidth reservation
B. ability to expand bandwidth over existing optical Infrastructure
C. inherent topology flexibility with built-in service protection
D. inherent topology flexibility with intelligent chromatic dispersion
E. inherent topology flexibility with a service protection provided through a direct integration with an upper layer protocol

Answer: BC

NEW QUESTION 299
Which three Cisco products are used in conjunction with Red Hat to provide an NFVi solution? (Choose three.)

A. Cisco Prime Service Catalog
B. Cisco Open Virtual Switch
C. Cisco Nexus switches
D. Cisco UCS
E. Cisco Open Container Platform
F. Cisco Virtual Network Function

Answer: CDF

NEW QUESTION 301
Router R1 is a BGP speaker with one peering neighbor over link "A". When the R1 link/interface "A" fails, routing announcements are terminated, which results in the tearing down of the state for all BGP routes at each end of the link. What is this a good example of?

A. fault isolation
B. resiliency
C. redundancy
D. fate sharing

Answer: D

NEW QUESTION 304
Which design consideration is valid when you contrast fabricPath and trill?

A. FabricPath uses IS-IS, but TRILL uses VxLAN
B. FabricPath permits active-active FHRP and TRILL support anycast gateway.
C. FabricPath Permits ECMP, but TRILL does not
D. FabricPath permits active-active mode, but TRILL supports only active-standby mode.

Answer: B

NEW QUESTION 307
Refer to the exhibit.
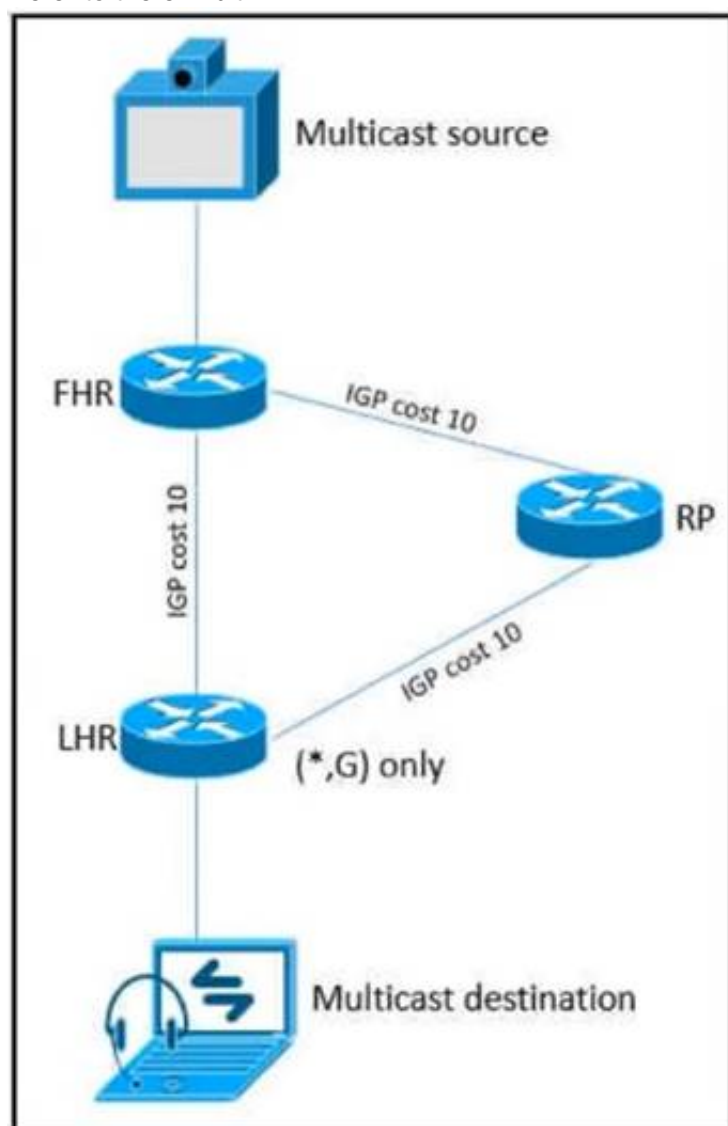
As part of a redesign project, you must predict multicast behavior What happens to the multicast traffic received on the shared tree (*,G), if it is received on the LHR interface indicated*?

A. It is dropped due to an unsuccessful RPF check against the multicast source
B. It is switched give that no RPF check is performed
C. It is switched due to a successful RPF check against the routing table
D. It is dropped due to an unsuccessful RPk8t8ck against the multicast receiver.

Answer: C

Explanation:
https://www.cisco.com/c/en/us/support/docs/ip/ip-multicast/16450-mcastguide0.html
When a multicast packet arrives on an interface, the RPF process checks to ensure that this incoming interface is the outgoing interface used by unicast routing in order to reach the source of the multicast packet. This RPF check process prevents loops. Multicast routing does not forward a packet unless the source of the packet passes a RPF check. Once a packet passes this RPF check, multicast routing forwards the packet based only upon the destination address.

NEW QUESTION 310
Which architecture does not require an explicit multicast signaling protocol, such as PIM or P2MP, to signal the multicast state hop-by-hop, but instead uses a link state protocol to advertise the multicast forwarding state?

A. Binary indexed explicit routing
B. Binary intermediate enhanced routing
C. Bit indexed explicit replication
D. Bi-directional implicit replication
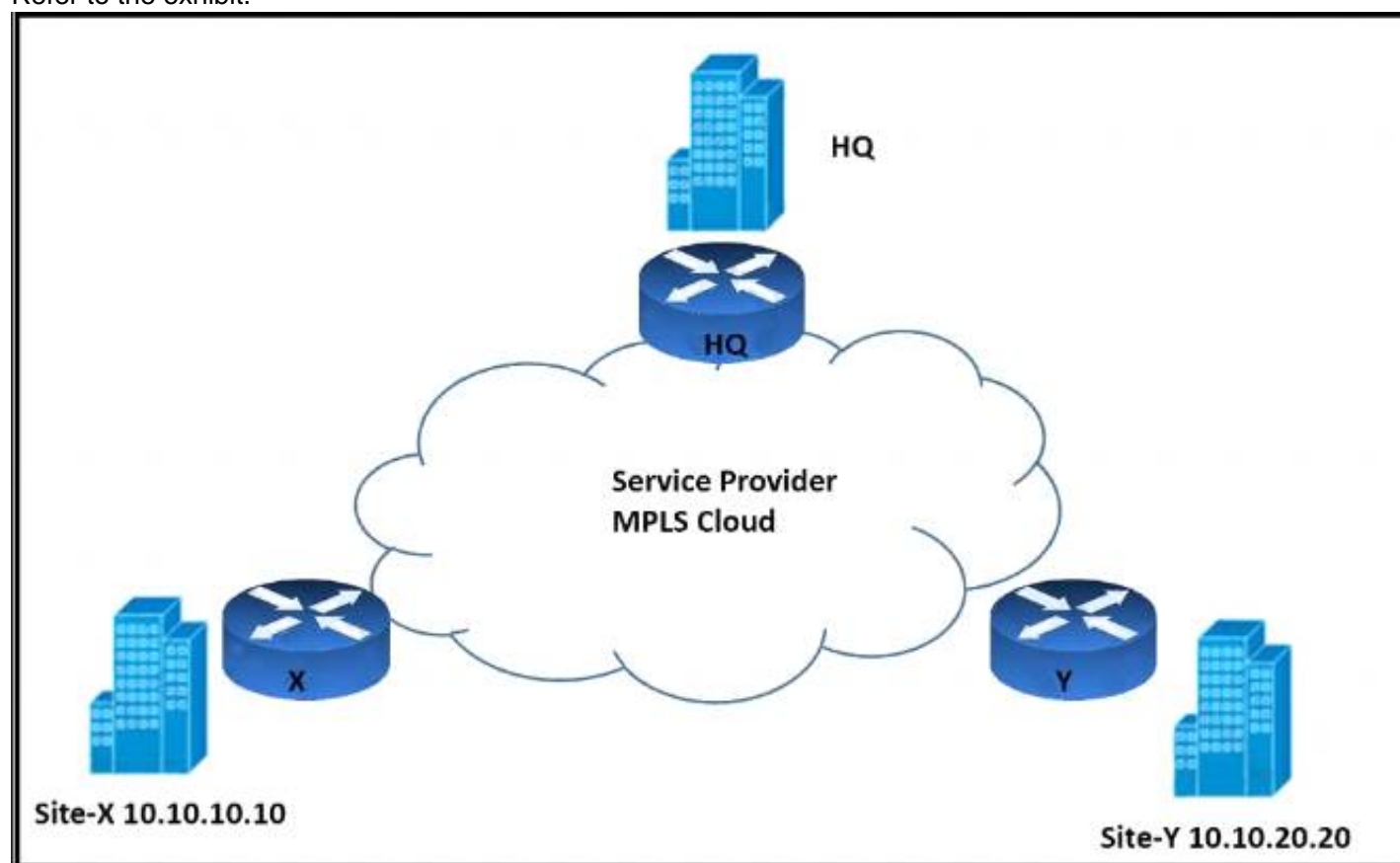
Answer: C

NEW QUESTION 311
A green data center is being deployed and a design requirement is to be able to readily scale server virtualization Which IETF standard technology can provide this requirement?

A. data center bridging
B. unified fabric
C. Transparent Interconnection of Lots of Links
D. fabric path

Answer: C

NEW QUESTION 314
Refer to the exhibit.

An architect must design an enterprise WAN that connects the headquarters with 22 branch offices. The number of remote sites is expected to triple in the next three years. The final solution must comply with these requirements:

› Only the loopback address of each of the enterprise CE X and Y routers must be advertised to the interconnecting service provider cloud network.

› The transport layer must carry the VPNv4 label and VPN payload over the MP-BGP control plane.

› The transport layer must not be under service provider control.
Which enterprise WAN transport virtualization technique meets the requirements?

A. EIGRP Over the Top
B. MPLS over BGP over multipoint GRE
C. DMVPN per VRF
D. point-to-point GRE per VRF

Answer: B

NEW QUESTION 319

A key to maintaining a highly available network is building in the appropriate redundancy to protect against failure. This redundancy is carefully balanced with the inherent complexity of redundant systems. Which design consideration is relevant for enterprise WAN use cases when it comes to resiliency?

A. Design in a way that expects outages and attacks on the network and its protected resources
B. The design approach should consider simple and centralized management aspect
C. Design in a way that it simplifies and improves ease of deployment
D. Design automation tools wherever it is appropriate for greater visibility

Answer: A

NEW QUESTION 321
A service provider recently migrated to an SD-WAN solution for delivering WAN connections to its customers. One of the main challenges with the SD-WAN deployment is that branch site volume increases every year, which causes management complexity. Which action resolves the issue?

A. Implement a scalable network management system to manage all sites.
B. Adopt a well-structured SD-WAN service management lifecycle model
C. Build a service orchestration platform on top of the network controller
D. Set up a dedicated team to monitor and provision new customers

Answer: C

NEW QUESTION 325
An enterprise requires MPLS connected branches to access cloud-based Microsoft 365 services over an SD-WAN solution. Internet access Is available only at dual regional hub sites that are connected to the MPLS network. Which connectivity method provides an optimum access method to the cloud-based services If one ISP suffers loss or latency?

A. Cloud onRamp gateway site
B. Cloud onRamp SWG
C. Cloud onRamp
D. Cloud onRamp SaaS

Answer: D

Explanation:
https://www.cisco.com/c/en/us/td/docs/routers/sdwan/configuration/cloudonramp/vedge-20-x/cloud-onramp-boo

NEW QUESTION 326
A BGP route reflector in the network is taking longer than expected to coverage during large network changes. Troubleshooting shows that the router cannot handle all the TCP acknowledgements during route updates. Which action can be performed to tune the device performance?

A. Increase the size of the hold queue.
B. Increase the size of the large buffers.
C. Decrease the size of the small buffers.
D. Increase the keepalive timers for each BGP neighbor.

Answer: A

NEW QUESTION 329
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