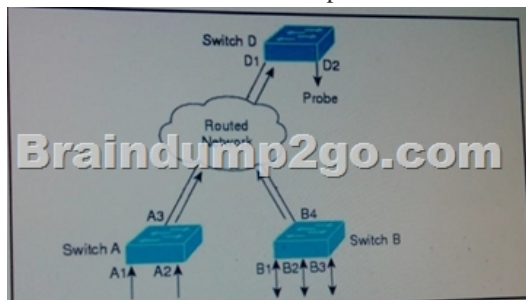
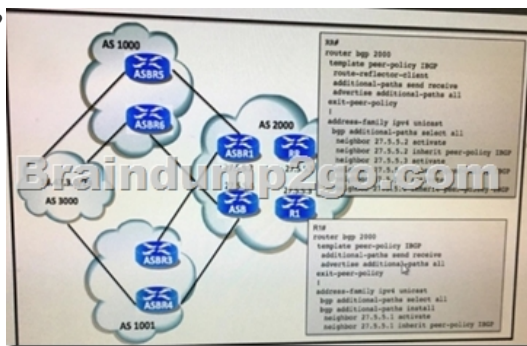


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A. NetFlow v5B. ERSPAN C. NetFlow v9D. RSPAN Answer: B QUESTION 498Which mechanism protects the control and management planes of a Cisco IOS device to maintain routing stability, network reachability, and packet delivery? A. RTBH B. BGP Flow Spec C. MQC CLID. CPPrE. NetFlow Answer: D QUESTION 499Which Cisco IOS XR feature is used to define route strategies in a modular form that allows common rule sets to be treated and processed independently? A. Route maps B. Policy maps C. BGP templates D. RPL policy Answer: D QUESTION 501Refer to the exhibit. AS2000 has deployed the BGP additional path feature. Assuming GP filtering has been deployed in any routers, how many entries does R1 have in the RIB/FFIB table for the 18.47.3.0/24 prefix?

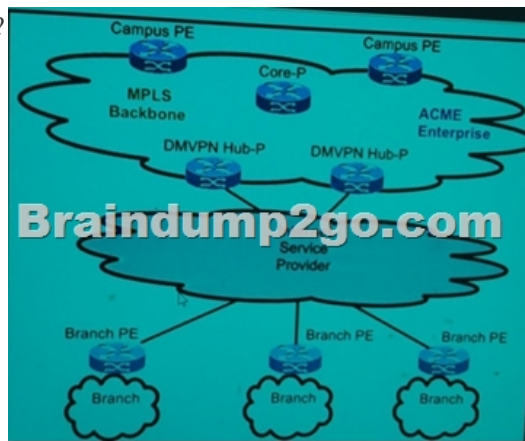


A. 1B. 2C. 3D. 4 Answer: B QUESTION 502Refer to the exhibit. A network engineer from ISP 2 is designing the BGP architecture with a requirement of preventing their customer AS 65001 from becoming a transit AS, using the following configuration.Router BGP 65000Neighbor 10.0.0.1 remote-as 65001Neighbor 10.0.0.1 route-map BGP-ROUTE-policy inWhich Cisco IOS command should be used within the route-map to achieve the goal on ISP 2 from AS 65000?



```
A. route-map BGP-ROUTE-POLICY permit 10set community no-advertise additiveB. ip as-path access-lists 1 permit65001$!
route-map BGP-ROUTE-POLICY deny 10match as-path 1!route-map BGP-ROUTE-POLICY permit 10C. ip as-path access-list 1
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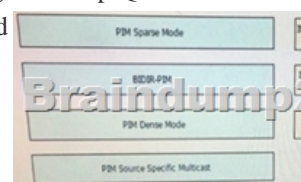
permit65001\$!route-map BGP-ROUTE-POLICY permit 10match as-path 1D. route-map BGP-ROUTE-POLICY permit 10set community no-export additive Answer: C QUESTION 503In a multihop BFD scenario, which two options create a multihop template and associate it with maps of destinations and associated timers? (Choose two) A. Fallover BFD B. BFD echo C. BFD map D. BFD template E. BFD version 2 Answer: CD QUESTION 504Which description of the main purpose of the LDP targeted Session is true? A. To improve the label convergence time for directly connected LSRs by maintaining the session up when the link between LSRs by maintaining the session up when the link between LSRs down B. To prevent traffic from being black-holed by building a MPLS forwarding table depending on the IP routing protocol in use C. To establish an adjacency before exchanging network information to avoid keepalive messages being dropped during heavy network traffic event D. To provide the means for LSR to request and release label prefix binding information to peers routers Answer: A QUESTION 505A regional operation center deployed SQL servers that were synchronized with the company's backend storage servers by using a 768 Kbps link. Although network congestion is not a frequent issue, the VoIP service suffers a serious degradation. Which two technologies can be implemented to improve the quality of the customer's VoIP traffic? (Choose two) A. A decrease in the wan interface buffer size B. LLQ for management traffic C. cRTP D. TCP/UDP filtering based on NBARE. TCP traffic prioritization F. LFIG. TCP starvation Answer: CF QUESTION 506A customer has a requirements record voice calls for IPT connected on switch A using VLAN 200. Record traffic should be forwarded to the IPCC recording server, which is connected on switch B, voice recording is not working. Assuming that RSPAN source monitoring is properly set, which action fixes this problem? A. On switch B, the monitor session 1 destination remote <interface\_config\_to\_recording\_server> command must be applied B. On switch B, the port connects to the recording server must have an IP address and be accessible via VLAN 200 C. On switch B, the port that connects to the recording server must be accessed on VLAN D. On switch A and switch B, the remote-span command must be configured on the mirroring dedicated VLAN Answer: D QUESTION 507Which type of mVPN core tree does the Rosen mLDP profile use to signal individual P2MP LSP that are mapped to SGs? A. S-PMSIB. MS-PMSIC. partitioned MDTD. MI-PMSI Answer: D QUESTION 508A backbone carrier is approached by an ISP\_A which provides L3VPN services. The ISP\_A requires MPLS VPN services from the backbone carrier to establish connectivity between the two POPs of the ISP\_A Which label protocol should the backbone carrier use to provide the proper connectivity that the ISP\_A requires? A. L2TPv3 B. L2TPv2 C. LDP D. GRE E. mGRE F. BGP Answer: C QUESTION 509Refer to the exhibit. ACME Enterprise is running DMVPN with spoke-to-spoke communication 2547oDMVPN has been implemented to extend MPLS to all other branches. What is the traffic flow behavior between branches after 2547oDMVPN implementation?



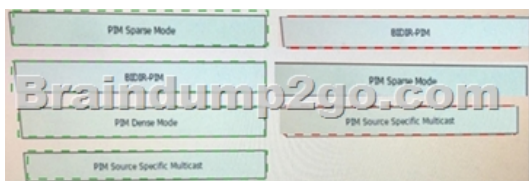
A. Traffic flows through the DMVPN hub B. Traffic flows directly between branches only if the DMVPN configuration is changed to hub-and-spoke communication C. Traffic flows directly between branches through service provider cloud, bypassing the DMVPN hub D. Traffic flow does not occur between branches Answer: A QUESTION 510A service provider has a requirements to deploy a virtual router in its network to handle high-performance data plane service up to 20Gbps. Which Cisco solution fulfills this requirement? A. Cisco 7600 B. Cisco ASR 9000 C. Cisco NCS 6000 D. Cisco CSR 1000v E. Cisco nexus 9000v Answer: B QUESTION 511Refer to the exhibit. The red dashed lines represent the preferred paths for the MPLS TE tunnel 1 and MPLS TE tunnel 2 to reach RTE3. The black dotted lines are the less desirable path. In case RTA or RTD fails, the MPLS TE tunnel 1 and MPLS TE tunnel 2 preempt the MPLS TE tunnel 3. This causes a lack of the MPLS connectivity from CRS3.



Which solution avoids the MPLS TE tunnel 3 to be teardown by the MPLS TE tunnel 1 and MPLS TE tunnel 2? A. change the MPLS TE tunnel 3 priority values to 6 4B. lower the signaled-bandwidth value of the MPLS TE tunnel 3C. use the exclude option on the explicit path configuration for the MPLS TE tunnel 1 and MPLS TE tunnel 2D. change the MPLS TE tunnel 3 priority values to 4 6E. use affinity and link coloring in all MPLS TE tunnels and MPLS TE link resources Answer: A QUESTION 512Which option is the benefit of per-link LFA over per-prefix LFA? A. It has a greater applicabilityB. It provides greater protection coverageC. It is simplerD. It enables better bandwidth utilization Answer: C QUESTION 513Drag and Drop Question Drag and drop PIM mode from the left onto the corresponding characteristic on the right. Not all options are used



Answer:



QUESTION 514A service provider network engineer is defining a Qos architecture with the following requirements :- The service provider does not provide managed CPE services.- Customer throughput of both connection-oriented and non-connection-oriented must be managed.- The service provider network capacity must be protected by limiting customer traffic to the purchased circuit bandwidth.- Latency-sensitive traffic must be accommodated.Which recommendation is the network engineer defining? A. The service provider must shape traffic that is outbound on the PE interfaceB. The service provider must shape traffic that is inbound on the PE interfaceC. The Customer must shape all traffic that is outbound on the CE interfaceD. The service provider must police traffic that is inbound on the PE interfaceE. The service provider must police traffic that is outbound on the PE interfaceF. The customer must police all traffic that is outbound on the CE interface Answer: D QUESTION 515What is the routing paradigm in a segment routing-enabled network? A. Destination-based routingB. Source, destination and layer 4 port routing paradigmC. Source-based and destination-based routingD. Source-based routing Answer: D QUESTION 516Which three IP/MPLS feature have been removed form MPLS-TP? (Choose three) A. Global and local labelB. Dual-direction LSPC. LSP mergingD. ECMPE. QoS mappingF. ProtectionG. PHP Answer: CDG QUESTION 517SNMPv3 provides which three security features?(Choose three) A. DES 56-bit encryptionB. Encrypted user passwordC. Private community information that is exchanged out-of-bandD. Device hostname that is authenticated via AES algorithmE. Message integrityF. Authentication that is based on MD5 or SHA algorithms Answer: AEF QUESTION 518In a Service provider network , a NOC engineer identifies and interface that flaps continuously. This interface connects to an EBGP peer.Which feature can reduce this instability on the service provider network? A. BGP PICB. IP event DampeningC. IGP Prefix PrioritizationD. Non-stop Forwarding Answer: B QUESTION 519Which operational metric to measure the health of the incident management process is critical? A. A number of successful changesB. Number of incidents per severity levelC. Mean time to restore serviceD. Mean time to resolve incidents Answer: A QUESTION 520Which three components are required to support ISSU? (Choose Three) A. Supported line cards.B. SSO and NSF working.C. Redundant router for failover.D. Images that are preloaded into the file system.E. Traffic that is moved to another device.F. Active and standby RPs. Answer: ABF QUESTION 521Which are two benefits of using segment routing over RSVP-TE for traffic engineering? (Choose two) A. Segment routing traffic engineering tunnels always follow the

low-latency pathB. ECMP-aware traffic engineering is natively supported by segment routingC. Per-flow state is present only at the ingress node to the Segment routing-enabled networkD. Per-flow state is present at the ingress and egress node to the segment routing-enabled networkE. Per-flow state is maintained on all nodes of the segment routing-enabled network Answer: BC

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