



**Cisco**

**Exam Questions 352-001**

CCDE Written Exam

#### NEW QUESTION 1

You have been asked to design a wireless network solution that will implement context-aware services on an existing network that was initially deployed for data traffic only. Which two design principles would you follow to increase the location accuracy with the least possible impact on the current setup? (Choose two.)

- A. Use directional antennas to provide better cell separation.
- B. Add access points along the perimeter of the coverage area.
- C. Install additional APs in monitor mode where the co-channel interference would otherwise be affected.
- D. Increase the AP density to create an average inter-access point distance of less than 40 ft.| 12.2meters
- E. Fine tune the access point's radio configuration to have a higher average transmission power to achieve better coverage.

**Answer:** AD

#### NEW QUESTION 2

What is a design application of control plane policing?

- A. CPP protects the control plane from reconnaissance and or denial-of-service attacks
- B. CPP protects the forwarding plane by rate –limiting excessive routing protocol traffic
- C. CPP protects the forwarding plane by allowing legitimate traffic and dropping excessive traffic
- D. CPP drop malformed packet that are sent to the CPU

**Answer:** A

#### NEW QUESTION 3

A regional ISP is running MPLS TE. These tunnels are configured manually using paths. Which technology centralizes the traffic engineering decisions to reduce operational complexity?

- A. BGP Link State
- B. DiffServ-TE
- C. TE autobandwidth
- D. Shared Risk link Group

**Answer:** C

#### NEW QUESTION 4

Which option is a design consideration when using routers in a distributed hardware architecture?

- A. Routing information is stored in the RIB and the FIB makes forwarding decisions as programmed on the line card hardware
- B. After a link failure occurs in the core, the RIB continues to forward the traffic while FIB convergence is in progress
- C. BGP routes are stored in the RIB and IGP routes are stored in the FIB
- D. IP routes are stored in the RIB and MPLS labels are stored in the FIB

**Answer:** A

#### NEW QUESTION 5

Which two techniques are used in an OSPF network design to slow down the distribution of topology information caused by a rapidly flapping link? (Choose two)

- A. LSA throttling
- B. SPF throttling
- C. IP event dampening
- D. Link-state incremental SPF
- E. Link-state partial SPF

**Answer:** AC

#### NEW QUESTION 6

There is an MPLS-enabled link constantly flapping on an MPLS VPN network. Given that the network runs OSPF as the IGP protocol, which design mechanism will stabilize the network and avoid constant re-convergence?

- A. IP Event Dampening
- B. OSPF fast hellos
- C. IP SLA
- D. Partial SPF

**Answer:** A

#### NEW QUESTION 7

A financial trading organization plans to monitor the network latency for multicast data feeds on a hop-by-hop basis. Which technology should be added to their design to support this requirement?

- A. SPAN
- B. NBAR
- C. IPFIX
- D. Precision Time Protocol

**Answer:** D

#### NEW QUESTION 8

A large enterprise network running IS-IS wants to deploy IGP traffic engineering, but they are concerned that the IS-IS default metrics are not flexible enough. Which feature must be enabled to provide traffic engineering with the minimum amount of changes?

- A. IS-IS Narrow Metrics
- B. IS-IS DIS
- C. IS-IS Wide Metrics
- D. IS-IS Multitopology

**Answer:** C

#### NEW QUESTION 9

You are designing a WAN network solution with EIGRP based on VPLS. The interface speed is 10Mb/s, but the access rate of the WAN connection is 256 Kb/s. What should you include in the network design, in order to avoid potential issues with EIGRP?

- A. Limit EIGRP traffic to the access rate with a policer.
- B. Tag outbound EIGRP traffic and have the WAN provider add it to the priority queue.
- C. Limit traffic to the access rate with interface traffic shaping.
- D. Set the interface bandwidth to match the access rate.

**Answer:** D

#### NEW QUESTION 10

How can a network designer reduce the amount of LSA flooding occurring in a large, single area fully-meshed OSPF topology?

- A. Implemented passive OSPF interfaces on the routers not participating on the DR/BDR election.
- B. Use access control lists to control outbound advertisements.
- C. Ensure DR and BDR routers are placed optimally in the topology.
- D. Place all point-to-point links in their own dedicated areas.

**Answer:** C

#### NEW QUESTION 10

Which two design aspects should a metro service provider consider when planning to deploy REP for his backbone? (Choose two.)

- A. Two REP segments can be connected redundantly at two points, one connection will be blocked as per the STP defined in IEEE 802.1d.
- B. UDLD can be enabled on REP interfaces to detect unidirectional failures.
- C. The guaranteed convergence recovery time is less than 50 ms for the local segment.
- D. A REP segment is limited to a maximum of seven devices.
- E. VLAN load balancing for optimal bandwidth usage is supported in any REP segment.

**Answer:** BE

#### NEW QUESTION 11

You are designing the QoS features for a large enterprise network that includes DMVPN. In which situation should you use the QoS pre-classify feature?

- A. When you are marking packets with the ToS bits
- B. When the QoS policy cannot be based on DSCP bits
- C. When you are marking packets with the DSCP bits
- D. When your service provider requires the DSCP bits be set

**Answer:** B

#### NEW QUESTION 15

You work as a network designer for a company that is replacing their Frame Relay WAN with an MPLS VPN service, where the PE-to-CE routing protocol is BGP. The company has 3000 routes in their distribution routers, and they would like to advertise their access routers through the MPLS network. Their service provider, however, only supports 1000 prefixes per VRF. Which two design solutions can be applied to ensure that your access routers will be able to reach all devices in your network? (Choose two.)

- A. Configure the distribution routers to send a default route to the MPLS network
- B. Configure null routes and aggregate routes for the prefixes in your network on the distribution routers
- C. Summarize the routes on MPLS WAN interfaces of the distribution routers
- D. Use prefix lists on the distribution routers to control which routes are sent to MPLS network
- E. Configure the access routers to send a default route to the MPLS network

**Answer:** AC

#### NEW QUESTION 17

You are designing a new multisite data center network within the same city. You are using the newest routers that run OSPF and DWDM point-to-point interfaces for site-to-site connectivity. Your primary objective is to use the fastest possible method for interface

failure detection. Which method achieves this objective?

- A. UDLD
- B. Interface event dampening
- C. LoS/AIS event faults
- D. Fast-hello timers

**Answer: C**

#### NEW QUESTION 20

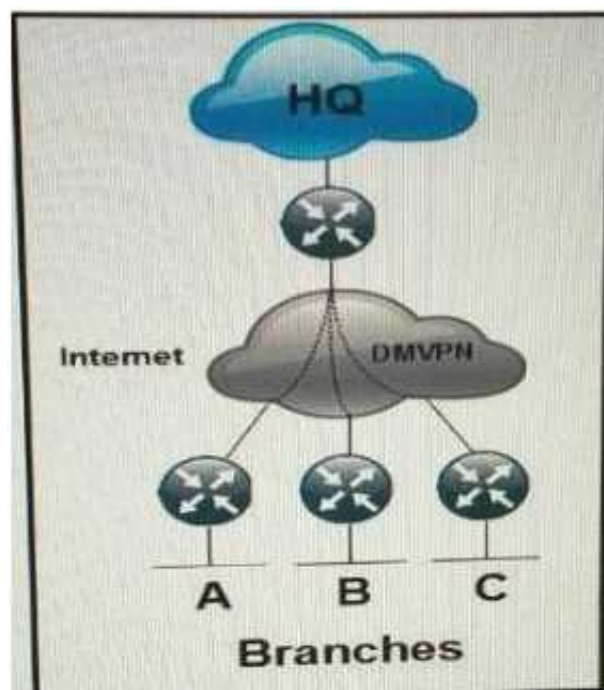
Which option describes a design benefit of root guard?

- A. It prevents switch loops caused by unidirectional point-to-point link condition on Rapid PVST+ and MST.
- B. It prevents switch loops by detecting on one-way communications on the physical port.
- C. It allows small, unmanaged switches to be plugged into ports of access switches without the risk of switch loops.
- D. It makes the port go immediately into the forwarding state after being connected.
- E. It prevents switched traffic from traversing suboptimal paths on the network.
- F. It does not generate a spanning-tree topology change upon connecting and disconnecting a station on a port.

**Answer: E**

#### NEW QUESTION 24

Refer to the exhibit.



Which routing solution is the most scalable to connect the branches to the HQ and to connect the branches together over the internet using DMVPN?

- A. EIGRP
- B. EIGRP with the branch routers setup as stubs
- C. OSPF with each branch router as an ABR
- D. IS-IS L2 in all locations
- E. OSPF Area 0 in all locations

**Answer: B**

#### NEW QUESTION 29

Your customer recently acquired a company with a national WAN of 750 locations consisting of MPLS VPN-based sales, Internet-based sites and sites with direct links to regional hub sites. The existing network has MPLS VPN-based sites. Which solution ensure security and encryption across all sites to meet an audit requirement?

- A. Implement a hierarchical DMVPN-based hub-and-spoke network with IPsec encryption
- B. Migrate newly acquired sites to the MPLS VPN-based service of the parent company
- C. Implement a GETVPN-based solution across all sites with selective traffic encryption
- D. Implement a GETVPN-based solution across all sites with redundant key servers

**Answer: A**

#### NEW QUESTION 31

Which two options describe the advantages of using DWDM over traditional optical networks? (Choose two)

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

**Answer: AE**

### NEW QUESTION 32

Which two options are IoT use cases that require the low-latency and high reliability that 5G networks provide? (Choose two)

- A. Sports and Fitness
- B. Smart Home
- C. Automotive
- D. Smart Cities
- E. Industrial Automation
- F. Health and wellness

**Answer: CE**

### NEW QUESTION 37

In an OSPF network with 20 routers connected together with Ethernet cabling , which topology typically takes the longest to converge?

- A. Full mesh
- B. Ring
- C. Squared
- D. Triangulated
- E. Partial mesh

**Answer: B**

### NEW QUESTION 39

A DMVPN network is being deployed for 10 branch sites to connect to the central headquarters over the Internet. Each branch site connects to the internet via a 1.5 Mb/s ADSL line, and the headquarters connects to the Internet over a 100Mb/s circuit limited to 20 Mb/s by the service provider. Which QoS mechanism if any, do you recommend at the headquarters location?

- A. Rate-limiting the 100 Mb/s circuit to 20 Mb/s
- B. Applying hierarchical QoS with parent policy for the overall circuit and child policy for the spokes
- C. Traffic shaping the 100 Mb/s circuit to 20 Mb/s
- D. QoS is not required in this instance due to maximum traffic being received by the branches being 15 Mb/s

**Answer: B**

### NEW QUESTION 44

Refer to the exhibit.



This enterprise customer wants to stream one-way video from their head office to eight branch offices using multicast. Their current service provider provides a Layer 3VPN solution and manages the CE routers, but they do not currently multicast. Which solution quickly allows this multicast traffic to go through while allowing for future scalability?

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

**Answer: B**

### NEW QUESTION 45

Which two OSPF network type combinations can you use in the design that requires spoke-to-spoke direct traffic? (Choose two.)

- A. hub as point-to-multipoint and spokes as non-broadcast
- B. hub as point-to-multipoint and spokes as point-to-point
- C. hub as broadcast and spokes as non-broadcast
- D. hub as point-to-point and spokes as point-to-point

**Answer: BC**

### NEW QUESTION 49

Which two statements about AToM are true? (Choose two)

- A. It encapsulates Layer 2 frames at the egress PE
- B. When using AToM, the IP precedence field is not copied to the MPLS packet
- C. AToM supports connecting different L2 technologies using interworking option
- D. The loopback address of the PE router must be either /24 or /32
- E. It provides support for L2VPN features on ATM interfaces



**Answer:** CE

#### NEW QUESTION 52

Which two functions are performed at the distribution layer of the three-layer hierarchical network design model? (Choose two).

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

**Answer:** AE

#### NEW QUESTION 55

Which option reduces jitter in a VoIP network?

- A. Deploy WRED
- B. Deploy call Admission Control
- C. Adjust the playout delay buffer at the receiver
- D. Increase the bandwidth of the links

**Answer:** C

#### NEW QUESTION 57

Which main IoT migration aspect should be reviewed for a manufacturing plant?

- A. Sensors
- B. Security
- C. Applications
- D. Wi-Fi Infrastructure
- E. Ethernet Switches

**Answer:** A

#### NEW QUESTION 59

Which two functions are performed at the distribution layer of the three-layer hierarchical network design model? (Choose two)

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

**Answer:** CD

#### NEW QUESTION 60

Which two control plane policer design options should you consider to achieve high availability? (Choose two)

- A. Control plane policers require that adequate protocols overhead are factored in to allow protocol convergence
- 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 are enforced in hardware to protect the software path, but they are hardware platform-dependent in terms of classification ability
- E. Control plane policers must be processes before a forwarding decision is made

**Answer:** DE

#### NEW QUESTION 61

A data center deign requires monitoring of their business critical voice and video services accessed by remote locations. Which two items are applicable? (Choose two)

- A. If multiple applications share the same DSCP or CoS values, NBAR can be utilized
- B. The applications being monitored must be assigned a unique CoS value
- C. If multiple applications share the same the same DSCP or CoS values, IPFIX can be utilized
- D. The applications being monitored must be assigned a unique QoS profile
- E. The applications being monitored must be assigned unique DSCP values
- F. The reporting data must be assigned to a QoS profile to ensure accurate statistics

**Answer:** CF

#### NEW QUESTION 64

Which DCI technology utilizes a “flood and learn” technique to populate the Layer 2 forwarding table?

- A. OTV

- B. E-VPN
- C. VPLS
- D. LISP

**Answer:** A

#### NEW QUESTION 66

Which three reasons to deploy an IDS sensor in promiscuous mode when you design a security solution are true? (Choose three.)

- A. Solution should be resistant to sensor failure.
- B. Solution should allow for stream normalization.
- C. Solution should not impact jitter and latency for voice traffic.
- D. Solution should allow for signature-based pattern matching.
- E. Solution should allow to deny packets inline.

**Answer:** ACD

#### NEW QUESTION 70

What is an advantage of placing the IS-IS flooding domain boundary at the core Layer in a three-layer hierarchical network?

- A. The L1 and L2 domains can easily overlap
- B. The L2 domain is contained and more stable
- C. It can be applied to any kind of topology
- D. It reduces the complexity of the L1 domains

**Answer:** A

#### NEW QUESTION 73

A company requires to connect two data center sites using a hub-and-spoke design. There are 2000 remote sites. It is required to transfer MPLS labeled packets over the public Internet using one router at each remote site. These MPLS labeled packets must be encapsulated inside IP packets. Which solution must be used to simplify this network design?

- A. GET VPN encrypts the MPLS packets with IPsec.
- B. DMVPN dynamically builds GRE tunnels with MPLS encapsulation inside.
- C. Site-to-site IPsec without GRE encapsulates the MPLS packets.
- D. PPPoE encapsulates the MPLS packets
- E. L2TPv3 encapsulated the MPLS packets

**Answer:** B

#### NEW QUESTION 75

A network has several routers running IS-IS L1L2 mode on the same Ethernet segment. Which action reduces to a minimum the number of IS-IS adjacencies in this segment?

- A. Define only the router on the segment to be DIS
- B. Change all routers connected to this segment to a single-level area
- C. Make the interface priority on the backup DIS lower than the primary DIS
- D. Change half the routers to be L1-only and other half to be L2-only on this segment

**Answer:** B

#### NEW QUESTION 79

Which are two open-source SDN controllers? (Choose two)

- A. Big Cloud Fabric
- B. OpenContrail
- C. Application Policy Infrastructure Controller
- D. Virtual Application Networks SDN controller
- E. OpenDaylight

**Answer:** BE

#### NEW QUESTION 81

Which two SAN designs appropriate to support large-scale SAN environments? (Choose two)

- A. Edge-core-edge design
- B. Fibre Channel forwarder
- C. Split fabric design
- D. Core-edge design
- E. Dual fabric design

**Answer:** AD

#### NEW QUESTION 86

Which mechanism does OSPF use to prevent loops in an MPLS Layer 3 VPNS environment?

- A. Sham link
- B. Down bit
- C. P-Bit
- D. Domain ID
- E. Routing bit

**Answer:** B

#### NEW QUESTION 87

When a multiprotocol routing environment is designed to have several routers redistributing among the routing domains, how can routing loops be avoided?

- A. By implementing spanning tree
- B. By activating split horizon
- C. By using the AS-path attribute
- D. By using route tags

**Answer:** D

#### NEW QUESTION 92

As part of network design, two geographically separated data centers must be interconnected using Ethernet-over-MPLS pseudowire. The link between the sites is stable, the topology has no apparent loops, and the root bridges for the respective VLANs are stable and unchanging. Which aspect must be the part of the design to mitigate the risk of connectivity issues between the data centers?

- A. Enable Spanning Tree on one data center, and Rapid Reconfiguration of Spanning tree on the other
- B. Ensure that the spanning tree diameter for one or more VLANs is not too large.
- C. Enable UDLD on the link between the data centers.
- D. Enable root guard on the link between the data centers.

**Answer:** B

#### NEW QUESTION 96

A large ISP is analysing which IGP meets these following requirements Network must be resilient against unstable MTU in one side of newly released transmission pieces of equipment Network must support MPLS traffic engineering solution for future use Which IGP must be selected and why?

- A. ISIS : in case MTU changes your TE tunnels keep the LSP stable
- B. OSPF: adjacency remains up even if MTU changes
- C. OSPF: in case MTU changes your TE tunnels keep the LSP stable
- D. ISIS: adjacency remains up even if MTU changes

**Answer:** D

#### NEW QUESTION 97

A network engineering team is in the process of designing a lab network for a customer demonstration. The design engineer wants to show that the resiliency of the MPLS traffic Engineering Fast Reroute solution has the same failover/failback times as a traditional SONET/SDH network (around 50MSEC). In order to address both link failure and node failure within the lab typology network, which type of the MPLS TE tunnels must be considered for this demonstration?

- A. TE backup tunnel
- B. Next-hop (NHop) tunnel
- C. FRR Backup tunnel
- D. next-next-hop (NNHop) tunnel

**Answer:** D

#### NEW QUESTION 101

A network design engineer is designing a new storage area network that combines multiple separate legacy SAN environments within a data center. Which technology isolates events within one of the SAN environment from the others?

- A. FCIP tunnels
- B. N-port ID Virtualization
- C. N-Port Virtualization
- D. Virtual SANs

**Answer:** D

#### NEW QUESTION 102

DRAG DROP



Drag the IT standards on the left to their network design application on the right. Not all applications will be used.

FCAPS	Change management
ITIL®	Governance framework
CMP	OSI-specified network management protocol
TMN	Telecommunications systems management framework
	Network management framework
	Enterprise architecture framework

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

ITIL®
Governance framework
CMP
TMN
FCAPS
Enterprise architecture framework

NEW QUESTION 103

DRAG DROP

Drag the design requirements on the left to the appropriate tool and protocols on the right. Not all tools and protocols will be used.

chargeback billing	NetFlow
event collection and correlation	IP SLA
IP applications quality assurance	SNMP
average link utilization monitoring	Syslog
VoIP call quality monitoring	

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

chargeback billing
IP applications quality assurance
average link utilization monitoring
event collection and correlation

**NEW QUESTION 106**  
DRAG DROP  
Refer to the exhibit.



Company ACME is adding a Cisco TelePresence system for real-time collaboration and wants to ensure the highest user experience. Drag and drop the necessary QoS mechanisms from the left to the right in any order. Not all options will be used.

Enable policer on switches A and D	QoS mechanism 1
Enable LLQ or CBWFQ for real-time interactive (CS4)	QoS mechanism 2
Rewrite DSCP to 0 to ensure equal treatment for all traffic	QoS mechanism 3
Enable HQoS shaper on router interface E if necessary	QoS mechanism 4
Enable HQoS shaper on router interface F	QoS mechanism 5
Enable CBWFQ for signaling traffic (CS3)	
Remark traffic at router interface F	
Trust DSCP at switches A and D	
Remark DSCP at router interface E	

A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Enable LLQ or CBWFQ for real-time interactive (CS4)

Enable HQoS shaper on router interface E if  
necessary

Enable CBWFQ for signaling traffic (CS3)

Trust DSCP at switches A and D

Remark DSCP at router interface E

NEW QUESTION 107

.....

## About ExamBible

*[Your Partner of IT Exam](#)*

## Found in 1998

ExamBible is a company specialized on providing high quality IT exam practice study materials, especially Cisco CCNA, CCDA, CCNP, CCIE, Checkpoint CCSE, CompTIA A+, Network+ certification practice exams and so on. We guarantee that the candidates will not only pass any IT exam at the first attempt but also get profound understanding about the certificates they have got. There are so many alike companies in this industry, however, ExamBible has its unique advantages that other companies could not achieve.

## Our Advances

### \* 99.9% Uptime

All examinations will be up to date.

### \* 24/7 Quality Support

We will provide service round the clock.

### \* 100% Pass Rate

Our guarantee that you will pass the exam.

### \* Unique Gurantee

If you do not pass the exam at the first time, we will not only arrange FULL REFUND for you, but also provide you another exam of your claim, ABSOLUTELY FREE!

#### NEW QUESTION 1

You have been asked to design a wireless network solution that will implement context-aware services on an existing network that was initially deployed for data traffic only. Which two design principles would you follow to increase the location accuracy with the least possible impact on the current setup? (Choose two.)

- A. Use directional antennas to provide better cell separation.
- B. Add access points along the perimeter of the coverage area.
- C. Install additional APs in monitor mode where the co-channel interference would otherwise be affected.
- D. Increase the AP density to create an average inter-access point distance of less than 40 ft. | 12.2 meters
- E. Fine tune the access point's radio configuration to have a higher average transmission power to achieve better coverage.

**Answer:** AD

#### NEW QUESTION 2

What is a design application of control plane policing?

- A. CPP protects the control plane from reconnaissance and or denial-of-service attacks
- B. CPP protects the forwarding plane by rate –limiting excessive routing protocol traffic
- C. CPP protects the forwarding plane by allowing legitimate traffic and dropping excessive traffic
- D. CPP drop malformed packet that are sent to the CPU

**Answer:** A

#### NEW QUESTION 3

A regional ISP is running MPLS TE. These tunnels are configured manually using paths. Which technology centralizes the traffic engineering decisions to reduce operational complexity?

- A. BGP Link State
- B. DiffServ-TE
- C. TE autobandwidth
- D. Shared Risk link Group

**Answer:** C

#### NEW QUESTION 4

Which option is a design consideration when using routers in a distributed hardware architecture?

- A. Routing information is stored in the RIB and the FIB makes forwarding decisions as programmed on the line card hardware
- B. After a link failure occurs in the core, the RIB continues to forward the traffic while FIB convergence is in progress
- C. BGP routes are stored in the RIB and IGP routes are stored in the FIB
- D. IP routes are stored in the RIB and MPLS labels are stored in the FIB

**Answer:** A

#### NEW QUESTION 5

Which two techniques are used in an OSPF network design to slow down the distribution of topology information caused by a rapidly flapping link? (Choose two)

- A. LSA throttling
- B. SPF throttling
- C. IP event dampening
- D. Link-state incremental SPF
- E. Link-state partial SPF

**Answer:** AC

#### NEW QUESTION 6

There is an MPLS-enabled link constantly flapping on an MPLS VPN network. Given that the network runs OSPF as the IGP protocol, which design mechanism will stabilize the network and avoid constant re-convergence?

- A. IP Event Dampening
- B. OSPF fast hellos
- C. IP SLA
- D. Partial SPF

**Answer:** A

#### NEW QUESTION 7

A financial trading organization plans to monitor the network latency for multicast data feeds on a hop-by-hop basis. Which technology should be added to their design to support this requirement?

- A. SPAN
- B. NBAR
- C. IPFIX
- D. Precision Time Protocol



**Answer:** D

#### NEW QUESTION 8

A large enterprise network running IS-IS wants to deploy IGP traffic engineering, but they are concerned that the IS-IS default metrics are not flexible enough. Which feature must be enabled to provide traffic engineering with the minimum amount of changes?

- A. IS-IS Narrow Metrics
- B. IS-IS DIS
- C. IS-IS Wide Metrics
- D. IS-IS Multitopology

**Answer:** C

#### NEW QUESTION 9

You are designing a WAN network solution with EIGRP based on VPLS. The interface speed is 10Mb/s, but the access rate of the WAN connection is 256 Kb/s. What should you include in the network design, in order to avoid potential issues with EIGRP?

- A. Limit EIGRP traffic to the access rate with a policer.
- B. Tag outbound EIGRP traffic and have the WAN provider add it to the priority queue.
- C. Limit traffic to the access rate with interface traffic shaping.
- D. Set the interface bandwidth to match the access rate.

**Answer:** D

#### NEW QUESTION 10

How can a network designer reduce the amount of LSA flooding occurring in a large, single area fully-meshed OSPF topology?

- A. Implemented passive OSPF interfaces on the routers not participating on the DR/BDR election.
- B. Use access control lists to control outbound advertisements.
- C. Ensure DR and BDR routers are placed optimally in the topology.
- D. Place all point-to-point links in their own dedicated areas.

**Answer:** C

#### NEW QUESTION 10

Which two design aspects should a metro service provider consider when planning to deploy REP for his backbone? (Choose two.)

- A. Two REP segments can be connected redundantly at two points, one connection will be blocked as per the STP defined in IEEE 802.1d.
- B. UDLD can be enabled on REP interfaces to detect unidirectional failures.
- C. The guaranteed convergence recovery time is less than 50 ms for the local segment.
- D. A REP segment is limited to a maximum of seven devices.
- E. VLAN load balancing for optimal bandwidth usage is supported in any REP segment.

**Answer:** BE

#### NEW QUESTION 11

You are designing the QoS features for a large enterprise network that includes DMVPN. In which situation should you use the QoS pre-classify feature?

- A. When you are marking packets with the ToS bits
- B. When the QoS policy cannot be based on DSCP bits
- C. When you are marking packets with the DSCP bits
- D. When your service provider requires the DSCP bits be set

**Answer:** B

#### NEW QUESTION 15

You work as a network designer for a company that is replacing their Frame Relay WAN with an MPLS VPN service, where the PE-to-CE routing protocol is BGP. The company has 3000 routes in their distribution routers, and they would like to advertise their access routers through the MPLS network. Their service provider, however, only supports 1000 prefixes per VRF. Which two design solutions can be applied to ensure that your access routers will be able to reach all devices in your network? (Choose two.)

- A. Configure the distribution routers to send a default route to the MPLS network
- B. Configure null routes and aggregate routes for the prefixes in your network on the distribution routers
- C. Summarize the routes on MPLS WAN interfaces of the distribution routers
- D. Use prefix lists on the distribution routers to control which routes are sent to MPLS network
- E. Configure the access routers to send a default route to the MPLS network

**Answer:** AC

#### NEW QUESTION 17

You are designing a new multisite data center network within the same city. You are using the newest routers that run OSPF and DWDM point-to-point interfaces for site-to-site connectivity. Your primary objective is to use the fastest possible method for interface



failure detection. Which method achieves this objective?

- A. UDLD
- B. Interface event dampening
- C. LoS/AIS event faults
- D. Fast-hello timers

**Answer: C**

#### NEW QUESTION 20

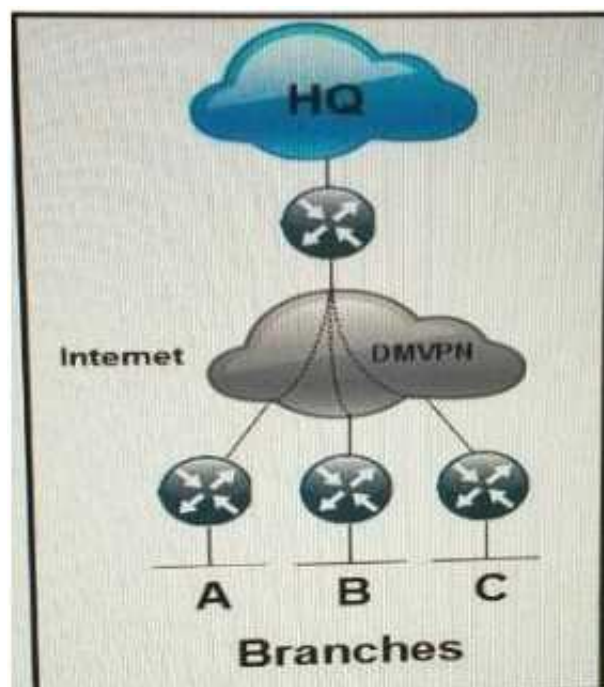
Which option describes a design benefit of root guard?

- A. It prevents switch loops caused by unidirectional point-to-point link condition on Rapid PVST+ and MST.
- B. It prevents switch loops by detecting on one-way communications on the physical port.
- C. It allows small, unmanaged switches to be plugged into ports of access switches without the risk of switch loops.
- D. It makes the port go immediately into the forwarding state after being connected.
- E. It prevents switched traffic from traversing suboptimal paths on the network.
- F. It does not generate a spanning-tree topology change upon connecting and disconnecting a station on a port.

**Answer: E**

#### NEW QUESTION 24

Refer to the exhibit.



Which routing solution is the most scalable to connect the branches to the HQ and to connect the branches together over the internet using DMVPN?

- A. EIGRP
- B. EIGRP with the branch routers setup as stubs
- C. OSPF with each branch router as an ABR
- D. IS-IS L2 in all locations
- E. OSPF Area 0 in all locations

**Answer: B**

#### NEW QUESTION 29

Your customer recently acquired a company with a national WAN of 750 locations consisting of MPLS VPN-based sales, Internet-based sites and sites with direct links to regional hub sites. The existing network has MPLS VPN-based sites. Which solution ensure security and encryption across all sites to meet an audit requirement?

- A. Implement a hierarchical DMVPN-based hub-and-spoke network with IPsec encryption
- B. Migrate newly acquired sites to the MPLS VPN-based service of the parent company
- C. Implement a GETVPN-based solution across all sites with selective traffic encryption
- D. Implement a GETVPN-based solution across all sites with redundant key servers

**Answer: A**

#### NEW QUESTION 31

Which two options describe the advantages of using DWDM over traditional optical networks? (Choose two)

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

**Answer: AE**

### NEW QUESTION 32

Which two options are IoT use cases that require the low-latency and high reliability that 5G networks provide? (Choose two)

- A. Sports and Fitness
- B. Smart Home
- C. Automotive
- D. Smart Cities
- E. Industrial Automation
- F. Health and wellness

**Answer: CE**

### NEW QUESTION 37

In an OSPF network with 20 routers connected together with Ethernet cabling , which topology typically takes the longest to converge?

- A. Full mesh
- B. Ring
- C. Squared
- D. Triangulated
- E. Partial mesh

**Answer: B**

### NEW QUESTION 39

A DMVPN network is being deployed for 10 branch sites to connect to the central headquarters over the Internet. Each branch site connects to the internet via a 1.5 Mb/s ADSL line, and the headquarters connects to the Internet over a 100Mb/s circuit limited to 20 Mb/s by the service provider. Which QoS mechanism if any, do you recommend at the headquarters location?

- A. Rate-limiting the 100 Mb/s circuit to 20 Mb/s
- B. Applying hierarchical QoS with parent policy for the overall circuit and child policy for the spokes
- C. Traffic shaping the 100 Mb/s circuit to 20 Mb/s
- D. QoS is not required in this instance due to maximum traffic being received by the branches being 15 Mb/s

**Answer: B**

### NEW QUESTION 44

Refer to the exhibit.



This enterprise customer wants to stream one-way video from their head office to eight branch offices using multicast. Their current service provider provides a Layer 3VPN solution and manages the CE routers, but they do not currently multicast. Which solution quickly allows this multicast traffic to go through while allowing for future scalability?

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

**Answer: B**

### NEW QUESTION 45

Which two OSPF network type combinations can you use in the design that requires spoke-to-spoke direct traffic? (Choose two.)

- A. hub as point-to-multipoint and spokes as non-broadcast
- B. hub as point-to-multipoint and spokes as point-to-point
- C. hub as broadcast and spokes as non-broadcast
- D. hub as point-to-point and spokes as point-to-point

**Answer: BC**

### NEW QUESTION 49

Which two statements about AToM are true? (Choose two)

- A. It encapsulates Layer 2 frames at the egress PE
- B. When using AToM, the IP precedence field is not copied to the MPLS packet
- C. AToM supports connecting different L2 technologies using interworking option
- D. The loopback address of the PE router must be either /24 or /32
- E. It provides support for L2VPN features on ATM interfaces

**Answer:** CE

**NEW QUESTION 52**

Which two functions are performed at the distribution layer of the three-layer hierarchical network design model? (Choose two).

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

**Answer:** AE

**NEW QUESTION 55**

Which option reduces jitter in a VoIP network?

- A. Deploy WRED
- B. Deploy call Admission Control
- C. Adjust the playout delay buffer at the receiver
- D. Increase the bandwidth of the links

**Answer:** C

**NEW QUESTION 57**

Which main IoT migration aspect should be reviewed for a manufacturing plant?

- A. Sensors
- B. Security
- C. Applications
- D. Wi-Fi Infrastructure
- E. Ethernet Switches

**Answer:** A

**NEW QUESTION 59**

Which two functions are performed at the distribution layer of the three-layer hierarchical network design model? (Choose two)

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

**Answer:** CD

**NEW QUESTION 60**

Which two control plane policer design options should you consider to achieve high availability? (Choose two)

- A. Control plane policers require that adequate protocols overhead are factored in to allow protocol convergence
- 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 are enforced in hardware to protect the software path, but they are hardware platform-dependent in terms of classification ability
- E. Control plane policers must be processes before a forwarding decision is made

**Answer:** DE

**NEW QUESTION 61**

A data center deign requires monitoring of their business critical voice and video services accessed by remote locations. Which two items are applicable? (Choose two)

- A. If multiple applications share the same DSCP or CoS values, NBAR can be utilized
- B. The applications being monitored must be assigned a unique CoS value
- C. If multiple applications share the same the same DSCP or CoS values, IPFIX can be utilized
- D. The applications being monitored must be assigned a unique QoS profile
- E. The applications being monitored must be assigned unique DSCP values
- F. The reporting data must be assigned to a QoS profile to ensure accurate statistics

**Answer:** CF

**NEW QUESTION 64**

Which DCI technology utilizes a “flood and learn” technique to populate the Layer 2 forwarding table?

- A. OTV

- B. E-VPN
- C. VPLS
- D. LISP

**Answer:** A

#### NEW QUESTION 66

Which three reasons to deploy an IDS sensor in promiscuous mode when you design a security solution are true? (Choose three.)

- A. Solution should be resistant to sensor failure.
- B. Solution should allow for stream normalization.
- C. Solution should not impact jitter and latency for voice traffic.
- D. Solution should allow for signature-based pattern matching.
- E. Solution should allow to deny packets inline.

**Answer:** ACD

#### NEW QUESTION 70

What is an advantage of placing the IS-IS flooding domain boundary at the core Layer in a three-layer hierarchical network?

- A. The L1 and L2 domains can easily overlap
- B. The L2 domain is contained and more stable
- C. It can be applied to any kind of topology
- D. It reduces the complexity of the L1 domains

**Answer:** A

#### NEW QUESTION 73

A company requires to connect two data center sites using a hub-and-spoke design. There are 2000 remote sites. It is required to transfer MPLS labeled packets over the public Internet using one router at each remote site. These MPLS labeled packets must be encapsulated inside IP packets. Which solution must be used to simplify this network design?

- A. GET VPN encrypts the MPLS packets with IPsec.
- B. DMVPN dynamically builds GRE tunnels with MPLS encapsulation inside.
- C. Site-to-site IPsec without GRE encapsulates the MPLS packets.
- D. PPPoE encapsulates the MPLS packets
- E. L2TPv3 encapsulated the MPLS packets

**Answer:** B

#### NEW QUESTION 75

A network has several routers running IS-IS L1L2 mode on the same Ethernet segment. Which action reduces to a minimum the number of IS-IS adjacencies in this segment?

- A. Define only the router on the segment to be DIS
- B. Change all routers connected to this segment to a single-level area
- C. Make the interface priority on the backup DIS lower than the primary DIS
- D. Change half the routers to be L1-only and other half to be L2-only on this segment

**Answer:** B

#### NEW QUESTION 79

Which are two open-source SDN controllers? (Choose two)

- A. Big Cloud Fabric
- B. OpenContrail
- C. Application Policy Infrastructure Controller
- D. Virtual Application Networks SDN controller
- E. OpenDaylight

**Answer:** BE

#### NEW QUESTION 81

Which two SAN designs appropriate to support large-scale SAN environments? (Choose two)

- A. Edge-core-edge design
- B. Fibre Channel forwarder
- C. Split fabric design
- D. Core-edge design
- E. Dual fabric design

**Answer:** AD

#### NEW QUESTION 86

Which mechanism does OSPF use to prevent loops in an MPLS Layer 3 VPNS environment?

- A. Sham link
- B. Down bit
- C. P-Bit
- D. Domain ID
- E. Routing bit

**Answer:** B

#### NEW QUESTION 87

When a multiprotocol routing environment is designed to have several routers redistributing among the routing domains, how can routing loops be avoided?

- A. By implementing spanning tree
- B. By activating split horizon
- C. By using the AS-path attribute
- D. By using route tags

**Answer:** D

#### NEW QUESTION 92

As part of network design, two geographically separated data centers must be interconnected using Ethernet-over-MPLS pseudowire. The link between the sites is stable, the topology has no apparent loops, and the root bridges for the respective VLANs are stable and unchanging. Which aspect must be the part of the design to mitigate the risk of connectivity issues between the data centers?

- A. Enable Spanning Tree on one data center, and Rapid Reconfiguration of Spanning tree on the other
- B. Ensure that the spanning tree diameter for one or more VLANs is not too large.
- C. Enable UDLD on the link between the data centers.
- D. Enable root guard on the link between the data centers.

**Answer:** B

#### NEW QUESTION 96

A large ISP is analysing which IGP meets these following requirements Network must be resilient against unstable MTU in one side of newly released transmission pieces of equipment Network must support MPLS traffic engineering solution for future use Which IGP must be selected and why?

- A. ISIS : in case MTU changes your TE tunnels keep the LSP stable
- B. OSPF: adjacency remains up even if MTU changes
- C. OSPF: in case MTU changes your TE tunnels keep the LSP stable
- D. ISIS: adjacency remains up even if MTU changes

**Answer:** D

#### NEW QUESTION 97

A network engineering team is in the process of designing a lab network for a customer demonstration. The design engineer wants to show that the resiliency of the MPLS traffic Engineering Fast Reroute solution has the same failover/failback times as a traditional SONET/SDH network (around 50MSEC). In order to address both link failure and node failure within the lab typology network, which type of the MPLS TE tunnels must be considered for this demonstration?

- A. TE backup tunnel
- B. Next-hop (NHop) tunnel
- C. FRR Backup tunnel
- D. next-next-hop (NNHop) tunnel

**Answer:** D

#### NEW QUESTION 101

A network design engineer is designing a new storage area network that combines multiple separate legacy SAN environments within a data center. Which technology isolates events within one of the SAN environment from the others?

- A. FCIP tunnels
- B. N-port ID Virtualization
- C. N-Port Virtualization
- D. Virtual SANs

**Answer:** D

#### NEW QUESTION 102

DRAG DROP



Drag the IT standards on the left to their network design application on the right. Not all applications will be used.

FCAPS	Change management
ITIL®	Governance framework
CMP	OSI-specified network management protocol
TMN	Telecommunications systems management framework
	Network management framework
	Enterprise architecture framework

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

ITIL®
Governance framework
CMP
TMN
FCAPS
Enterprise architecture framework

#### NEW QUESTION 103

DRAG DROP

Drag the design requirements on the left to the appropriate tool and protocols on the right. Not all tools and protocols will be used.

chargeback billing	NetFlow
event collection and correlation	IP SLA
IP applications quality assurance	SNMP
average link utilization monitoring	Syslog
VoIP call quality monitoring	

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

chargeback billing
IP applications quality assurance
average link utilization monitoring
event collection and correlation



**NEW QUESTION 106**  
DRAG DROP  
Refer to the exhibit.



Company ACME is adding a Cisco TelePresence system for real-time collaboration and wants to ensure the highest user experience. Drag and drop the necessary QoS mechanisms from the left to the right in any order. Not all options will be used.

- Enable policer on switches A and D
- Enable LLQ or CBWFQ for real-time interactive (CS4)
- Rewrite DSCP to 0 to ensure equal treatment for all traffic
- Enable HQoS shaper on router interface E if necessary
- Enable HQoS shaper on router interface F
- Enable CBWFQ for signaling traffic (CS3)
- Remark traffic at router interface F
- Trust DSCP at switches A and D
- Remark DSCP at router interface E

- QoS mechanism 1
- QoS mechanism 2
- QoS mechanism 3
- QoS mechanism 4
- QoS mechanism 5

A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Enable LLQ or CBWFQ for real-time interactive (CS4)

Enable HQoS shaper on router interface E if  
necessary

Enable CBWFQ for signaling traffic (CS3)

Trust DSCP at switches A and D

Remark DSCP at router interface E

**NEW QUESTION 107**

.....

## Relate Links

**100% Pass Your 352-001 Exam with ExamBible Prep Materials**

<https://www.exambible.com/352-001-exam/>

## Contact us

We are proud of our high-quality customer service, which serves you around the clock 24/7.

Viste - <https://www.exambible.com/>