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Designing Cisco Network Service Architectures

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QUESTION: 1
Which of these Layer 2 access designs does not support VLAN extensions?

A. FlexLinks
B. loop-free U
C. looped square
D. looped triangle

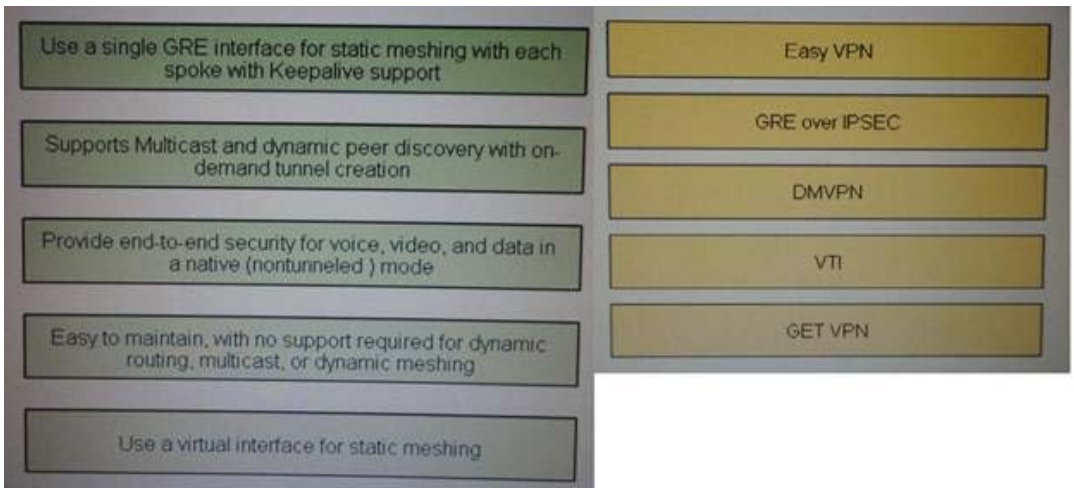
Answer: B

QUESTION: 2
As a critical part of the design for the Enterprise Campus network, which of the following two are true concerning intrusion detection and prevention solution? (Choose two)

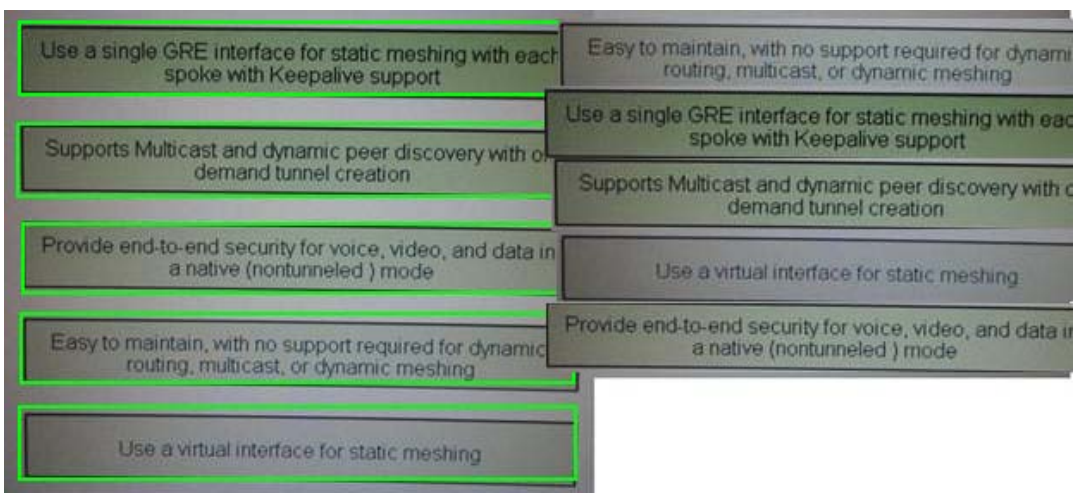
A. IDS is capable of both inline and promiscuous monitoring, while IPS is only capable of promiscuous monitoring
B. IDS will stop malicious traffic from reaching its intended target for certain types of attacks.
C. IPS processes information on Layer 3 and 4 as well as analyzing the contents and payload of the packets for more sophisticated embedded attacks (Layers 3 to 7)
D. IPS inspects traffic statefully and needs to see both sides of the connection to function properly E. IDS placement at the perimeter of Data Center outside the firewall generates many warnings that have relatively low value because no action is likely to be taken on this information

Answer: C, E

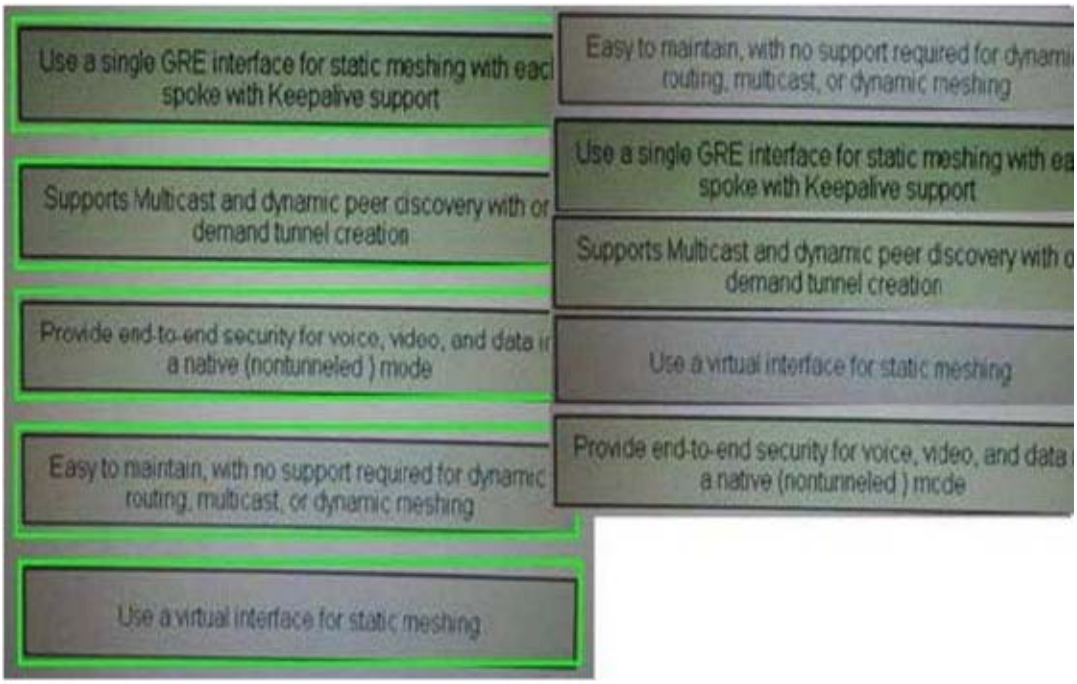
QUESTION: 3
DRAG DROP
Drag the characteristic on the left to the corresponding IPSec VPN solution on the right.



Answer:



Explanation:



QUESTION: 4
OSPF stub areas are an important tool for the Network designer; which of the following two should be considered when utilizing OSPF stub areas?

A. OSPF stub areas increase the size of the LSDB with the addition of Type 3 and 5 LSAs
B. OSPF not so stubby areas are particularly useful as a simpler form of summarization
C. OSPF stub areas are always insulated from external changes
D. OSPF stub areas can distinguish among ASBRs for destinations that are external to the OSPF domain
E. OSPF totally stubby cannot distinguish among ABRs for the best route to destinations outside the areas

Answer: B, E

QUESTION: 5
Which two statements are correct regarding Flex Links? (Choose two)

A. An interface can belong to multiple Flex Links.
B. Flex Links operate only over single pairs of links.
C. Flex Link pairs must be of the same interface type
D. Flex Links automatically disable STP so no BPDUs are propagated
E. Failover from active to standby on Flex Links takes less than a second

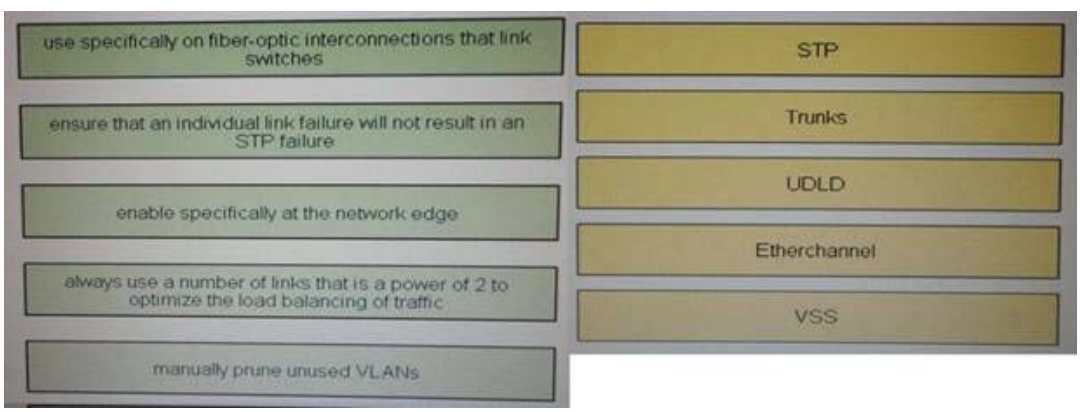
Answer: B, D

QUESTION: 6
Which of these technologies is characterized as being a multipoint Layer 2 VPN that connects two or more customer devices using Ethernet bridging techniques?

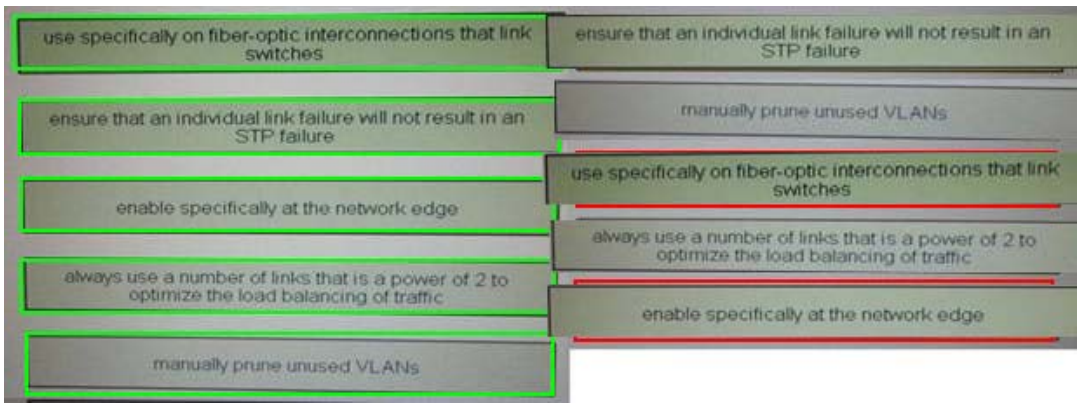
A. DPT
B. MPLS
C. VPLS
D. CWDM
E. DWDM
F. SONET/SDH

Answer: C

QUESTION: 7
DRAG DROP
Drag the best practice recommendation for an Enterprise Campus network on the left to the technology to which it most applies on the right.



Answer:



Explanation:
Use specifically on fiber-optic interconnections that link switches UDLD ensure that an individual link failure will not result in an STP failure STP enable specifically at the network edge VSS always use a number of links that is a power of 2 to optimize the load balancing of traffic Etherchannel Manually prune unused VLANs Trunks

QUESTION: 8
Why is STP required when VLANs span access layer switches?

A. to ensure a loop-free topology
B. to protect against user-side loops
C. in order to support business applications
D. because of the risk of lost connectivity without STP
E. for the most deterministic and highly available network topology

Answer: B

QUESTION: 9
When designing the IP routing for the Enterprise Campus network, which of these following two iBGB considerations should be taken into account?

A. iBGB dual horning with different iSPs puts the Enterprise at the risk of becoming a transit network
B. iBGP requires a full mesh of eBGP peers
C. Routers will not advertise iBGP learned routers to other iBGP peers.
D. The use of route reflections or Confederation eliminate any full mesh requirement while helping to scale iBGP
E. iGBP peers do not add any information to the AS path

Answer: A, D

QUESTION: 10
Which virtualization technology allows multiple physical devices to be combined into a single logical device?

A. device visualization
B. device clustering
C. server visualization
D. network visualization

Answer: B

QUESTION: 11
Which two of these are characteristics of MPLS VPNs? (Choose two)

A. Layer 3 MPLS VPNs can forward only IP packets
B. Layer 2 MPLS VPNs can forward any network protocol
C. MPL S label paths are automatically formed based on Layer 2 frames
D. Layer 3 MPLS VPNs can forward any network protocol based on Layer 2 frames
E. In Layer 2 MPLS VPNS, the service provider controls the customer Layer 3 policies

Answer: A, B

QUESTION: 12
Which technology is an example of the need for a designer to clearly define features and designed performance when designing advanced WAN services with a service provider?

A. FHRP to remote branches.
B. Layer 3 MPLS VPNs routing.
C. Control protocols (for example Spanning Tree Protocol) for a Layer 3 MPLS service.
D. Intrusion prevention, QoS, and stateful firewall support network wide.

Answer: B

QUESTION: 13
Which two restrictions must the Enterprise Campus network designer consider when evaluating WAN connectivity options? (Choose two)

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CheckPoint	Enterasys	Hitachi	ISM	Network-General	SASInstitute	TruSecure
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CIW	ExtremeNetworks	Hyperion	Lotus	Novell	SNIA	