Exam Questions 300-320
ARCH Designing Cisco Network Service Architectures
NEW QUESTION 1
- (Exam Topic 1)
Transition to Named EIGRP without causing an outage?

A. router eigrp NAME
B. router eigrp 1 named NAME
C. router eigrp 1 eigrp upgrade-cli NAME
D. interface fa0/1 ip router eigrp 1 named NAME

Answer: C

NEW QUESTION 2
- (Exam Topic 1)
A network team is designing a Layer 3 Data Center Interconnect between two data centers. There is a requirement for all links of equal bandwidth to be utilized have automatic failover and not use any bundling technology. Which routing function must be used to achieve this requirement?

A. virtual links
B. virtual private LAN service
C. policy-based routing
D. BGP route reflectors
E. equal cost multipath routing

Answer: E

NEW QUESTION 3
- (Exam Topic 1)
Which design technology allows two Cisco Catalyst chassis to use SSO and NSF to provide nonstop communication even if one of the member chassis fails?

A. peer gateway
B. VSS
C. vPC
D. auto chassis detect

Answer: B

NEW QUESTION 4
- (Exam Topic 1)
ASA firewall cause outage....maintaining QOS in architecture ......(or)Cisco ASA in active /active mode, how to pass almost like stateful info across to the other member?

A. ECMP
B. BFD
C. IP SLA
D. ASR groups

Answer: D

Explanation:
ASR = Asymmetric routing

NEW QUESTION 5
- (Exam Topic 1)
Which protocol is required for end-to-end signaling in an IntServ QoS architecture?

A. RSVP
B. DSCP
C. ToS
D. LLQ
E. DiffServ

Answer: A

NEW QUESTION 6
- (Exam Topic 1)
A company is acquiring another company and merging two company networks. No subnets overlap, but engineer must limit the networks advertised to new organization. Which feature implements this requirement?

A. interface ACL
B. stub area
C. passive interface
D. route filtering
E. route summary

Answer: E
NEW QUESTION 7
- (Exam Topic 2)
When designing layer 2 STP based LAN with FHRP, what design recommendation should be followed?
A. Assign STP root with active FHRP device
B. Assign native VLAN to lowest number in use
C. Avoid configuring router preempt
D. Avoid modifying STP & FHRP default timers

Answer: A

NEW QUESTION 8
- (Exam Topic 2)
A large-scale IP SLA deployment is causing memory and CPU shortages on the routers in an enterprise network. Which solution can be implemented to mitigate these issues? (E)
A. An offline router for disaster recovery
B. a CPE device that is managed by the network provider
C. A shadow router
D. A standby router for failover operation

Answer: C

NEW QUESTION 9
- (Exam Topic 2)
An engineer is designing an infrastructure to use a 40 Gigabit link as the primary uplink and a 10 Gigabit uplink as the alternate path. Which Routing protocol allows for unequal cost load balancing?
A. Ospf
B. Eigrp
C. ISIS
D. BGP
E. RIP

Answer: B

Explanation:
Traffic Sharing
EIGRP not only provides unequal cost path load balancing, but also intelligent load balancing, such as traffic sharing. In order to control how traffic is distributed among routes when there are multiple routes for the same destination network that have different costs, use the traffic-share balanced command. With the keyword balanced, the router distributes traffic proportionately to the ratios of the metrics that are associated with different routes.

NEW QUESTION 10
- (Exam Topic 3)
What needs to be configured to control unwanted transit traffic to not be routed to remote branches that have multiple WAN connections?
A. route weighting
B. route tagging
C. route filtering
D. route prioritising
E. Design a filter using prefix list to ensure that the routes are filtered out at the redistribution point

Answer: C

NEW QUESTION 11
- (Exam Topic 3)
An engineer is designing a network with OSPF and must filter ingress routes form a partner network that is also running OSPF. Which two design options are available for this configuration? Choose two
A. Use a different routing protocol such as EIGRP between the networks
B. Configure a different OSPF area that would prevent any unwanted routes from entering the network
C. Use a distribution-list in the OSPF process to filter out the routes
D. Use access list on the ingress interface to prevent the routes from entering the network
E. Design a filter using prefix list to ensure that the routes are filtered out at the redistribution point

Answer: CE

NEW QUESTION 12
- (Exam Topic 3)
Which first-hop redundancy protocol that was designed by Cisco allows packet load sharing among groups of redundant routers?
A. GLBP
B. HSRP
C. VRRP
D. VSS

Answer: A
NEW QUESTION 13
- (Exam Topic 3)
What two sensor types exist in an IDS/IPS solution? (Choose two)

A. host
B. anomaly based
C. policy based
D. network based
E. signature

Answer: BC

Explanation:
Incorrect answers have been selected for the same in Hesseny2000 pdf. This leaves us with 3x answers which all seems to be correct as per Cisco IDS/IPS manual from the link below (page 443). The key to this is missing word “based” for answer “E” which gives us only 2x correct answers – “B” & “C”.

NEW QUESTION 14
- (Exam Topic 3)
An engineer is designing an infrastructure to use a 40 Gigabit link as the primary uplink and a 10 Gigabit uplink as the alternate path. Which routing protocol allows for unequal cost load balancing?

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

Answer: C

NEW QUESTION 15
- (Exam Topic 3)
Which two options are advantages of having a modular design instead of an EOR design in a data centre? (Choose two)

A. cooling constraints
B. cable bulk
C. decreased STP processing
D. redundancy options
E. cost minimization
F. low-skilled manager

Answer: AB

NEW QUESTION 16
- (Exam Topic 3)
Which option is a Fundamental process of the cisco TrustSec technology?

A. Marketing
B. Detection
C. Propagation
D. Prioritization

Answer: C

Explanation:
Cisco TrustSec is defined in three phases: classification, propagation, and enforcement

NEW QUESTION 17
- (Exam Topic 3)
Which technology allows multiple instances of a routing table to coexist on the same router simultaneously?

A. VRF
B. Cisco virtual router
C. Instanced virtuer router
D. IS-IS

Answer: A

NEW QUESTION 18
- (Exam Topic 3)
Which configuration represents resiliency at the hardware and software layers?

A. multiple connections and FHRP
B. HSRP and GLBP
C. redundant supervisor and power supplies
D. dual uplinks and switches

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NEW QUESTION 19
- (Exam Topic 3)
An engineer must optimize a single-homed connection in a small branch office. Which technology accomplishes this goal?

A. MSE  
B. WAE  
C. DMVPN  
D. MPLS

Answer: C

NEW QUESTION 20
- (Exam Topic 3)
An engineer has been asked to design a LAN topology with high Availability and the loop-free features of STP. It must also support Etherchannel between multiple chassis and a separate control plane for each switch terminating these multiple connections. Which technology should the engineer recommend to be deployment on the upstream switches?

A. StackWise  
B. FEX  
C. VSS  
D. VPC

Answer: D

NEW QUESTION 21
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