Cisco

Exam Questions 300-320

ARCH Designing Cisco Network Service Architectures
NEW QUESTION 1
- (Exam Topic 1)
Which option lists the EIGRP minimum timer settings for hello and dead timers in seconds?

A. 4 and 6
B. 2 and 4
C. 2 and 6
D. Both 6

Answer: C

NEW QUESTION 2
- (Exam Topic 1)
To which network layer should Cisco Express Forwarding be tuned to support load balancing and to make more informed forwarding decisions?

A. Layer 1
B. Layer 2
C. Layer 3
D. Layer 4
E. Layer 5
F. Layer 6
G. Layer 7

Answer: D

NEW QUESTION 3
- (Exam Topic 1)
SDN solution for WAN which is support automation, PnP (Plug and Play) application delivers on WAN.

A. APIC
B. APIC-EM
C. Enterprise NFV
D. WAAS
E. ACI

Answer: B

NEW QUESTION 4
- (Exam Topic 1)
A LAN infrastructure consists of switches from multiple vendors. Spanning Tree is used as a Layer 2 loop prevention mechanism. All configured VLANs must be grouped in two STP instances. Which standards-based Spanning Tree technology must be used?

A. MSTP
B. Rapid PVST
C. STP
D. RSTP

Answer: A

NEW QUESTION 5
- (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 6
- (Exam Topic 1)
DCI: simple extend layer 2 data center less than 4000 VLAN ? (Choose Two)

A. OTV
B. VXLAN
C. LISP
D. MPLS
E. L2TP

Answer: AD
NEW QUESTION 7
- (Exam Topic 1)
Which option is correct when using Virtual Switching System?

A. Both control planes forward traffic simultaneously
B. Only the active switch forward traffic
C. Both data planes forward traffic simultaneously
D. Only the active switch handle the control plane

Answer: C

NEW QUESTION 8
- (Exam Topic 2)
Which security function is inherent in an Application Centric Infrastructure network?

A. Intrusion Prevention
B. Intrusion Detection
C. Default Denial Network
D. Default Inter-EPG connectivity

Answer: D

NEW QUESTION 9
- (Exam Topic 2)
Which technology you will use to connect 2x Data Centres and extend Layer 2 VLANs? (Choose two)

A. OTV
B. VXLAN
C. Fabric Path
D. IS-IS

Answer: AB

NEW QUESTION 10
- (Exam Topic 2)
What is the characteristic of bidirectional PIM?

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Explicitly builds shared bidirectional trees.

NEW QUESTION 11
- (Exam Topic 2)
EIGRP configured on access switch level. What needs to be taken into account for optimal results?

A. Configure stub networks
B. configuring switch-to-switch
C. carry multiple VLANs
D. fixed-configuration switches

Answer: A

NEW QUESTION 12
- (Exam Topic 2)
What need to be added to the R1 configuration to allow R2 be the active in case of R1 failure? (Choose two)
(There is a diagram showing one switch connected with 2x links to 2x HSRP routers (R1 and R2). They are connected to two user computers. The HSRP configuration for R1 and R2 is the same.

A. ip track 50 ip route 10.1.1.0 ...
B. ip track 50 interface f0/1 line-protocol (or ip routing)
C. track 50 decrement 20
D. track 50 shutdown

Answer: BC
NEW QUESTION 13
- (Exam Topic 2)
What is the preferred protocol for a router that is running an IPv4 and IPv6 dual stack configuration?

A. IPX
B. Microsoft NetBIOS
C. IPv6
D. IPv4

Answer: C

NEW QUESTION 14
- (Exam Topic 2)
An engineer is designing a multicluster BGP network, each cluster has 2 RRs and 4 RR clients which 2 options must be considered?

A. Clients from all clusters should peer with all RRs
B. All route reflectors should be non client peers & topology partially meshed
C. All RRs must be non client peers in a fully meshed topology
D. Clients must not peer with IBGP speakers outside the client router
E. Clients should peer with at least one other client outside it’s cluster

Answer: DE

NEW QUESTION 15
- (Exam Topic 2)
A network link is going up and down rapidly, and it is hindering network performance and routing table stability. Which option can be configure to insulate against the performance impact of interface or link failure throughout the network?

A. Distributed Cisco Express Forwarding switching
B. Secondary IP addressing
C. route summarization
D. default route propagation

Answer: C

NEW QUESTION 16
- (Exam Topic 2)
Company has asked for an OOB management network design. Which option is one Cisco best practice parameter that must be followed?

A. Data networks must be limited to SSH, NTP, FTP, SNMP and TaCACS+ protocols
B. Data networks must never traverse the management network
C. Data networks and management networks must be in the routing table
D. Data networks must traverse the management network as a backup path

Answer: B

NEW QUESTION 17
- (Exam Topic 2)
A network engineer must create a backup network connection between two corporate sites over the Internet using the existing ASA firewalls. Which VPN technology best satisfies this corporate need?

A. VPLS
B. DMVPN
C. GETVPN
D. IPsec
E. MPLS
F. OTV

Answer: D

NEW QUESTION 18
- (Exam Topic 3)
Which two design concerns must be addressed when designing a multicast implementation? (Choose two)

A. only the low-order 23 bits of the MAC address are used to map IP addresses
B. only the low-order 24 bits of the MAC address are used to map IP addresses
C. only the high-order 23 bits of the MAC address are used to map IP addresses
D. only the low-order 23 bits of the IP address are used to map MAC addresses
E. the 0x01004f MAC address prefix is used for mapping IP addresses to MAC addresses
F. the 0x01005e MAC address prefix is used for mapping IP addresses to MAC addresses

Answer: DF

Explanation:
Ethernet & FDDI Multicast Addresses
- The low order bit (0x01) in the first octet indicates that this packet is a Layer 2 multicast packet. Furthermore, the “0x01004f” prefix has been reserved for use in mapping L3 IP multicast addresses into L2 MAC addresses.
- When mapping L3 to L2 addresses, the low order 23 bits of the L3 IP multicast address are mapped into the low order 23 bits of the IEEE MAC address. Notice...
NEW QUESTION 19
- (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 20
- (Exam Topic 3)
What is one function of key server in Cisco GETVPN deployment?

A. sending the RSA certificate  
B. providing pre-shared keys  
C. maintaining security polices  
D. providing the group ID

Answer: C

Explanation:
Key server is responsible for maintaining security policies, authenticating the GMs and providing the session key for encrypting traffic. KS authenticates the individual GMs at the time of registration. Only after successful registration the GMs can participate in group SA.  

NEW QUESTION 21

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