**Vendor:** Cisco

**Exam Code:** 200-310

**Exam Name:** CCDA - Designing for Cisco Internetwork Solutions (DESGN)

**Version:** DEMO

**QUESTION 1**
What are the three models that are required in the systematic approach of the top-down design methodology? (Choose three.)

A. logical
B. physical
C. layered
D. network components
E. technological
F. protocols
G. virtual

**Answer:** ABC


**QUESTION 2**
What design requirement is necessary for campus network access layer switching?

A. high cost per port
B. high availability
C. high scalability
D. high performance

**Answer:** C


**QUESTION 3**
Which two issues are typical challenges to network stability and reliability? (Choose two.)

A. hardware failures
B. layer 1 link failures
C. application failures
D. core layer failures
E. distribution layer failures

**Answer:** AB


**QUESTION 4**
If two routing protocols have the same route and prefix, which effect do they have on the routing table?

A. Only the route with the lowest administrative distance is added.
B. Only the route with the highest administrative distance is added.
C. Both routes are added.
D. Neither route is added, and a loop is formed.

**Answer:** A


**QUESTION 5**
Which two options are benefits of using a modular network architecture? (Choose two.)

A. facilitates troubleshooting
B. accurate monitoring
C. consistent documentation
D. increased flexibility
E. reduced cabling requirements

**Answer:** AD


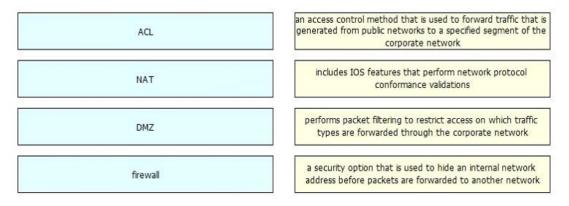**QUESTION 6**
What is a benefit of IPv6 over IPv4 addresses?

A. shorter addresses
B. automatic summarization
C. hierarchal global address space
D. faster IGP convergence

**Answer:** C


**QUESTION 7**
Drag and Drop Question
Drag the security term on the left to the matching description on the right.

| | |
|---|---|
| ACL | an access control method that is used to forward traffic that is generated from public networks to a specified segment of the corporate network |
| NAT | includes IOS features that perform network protocol conformance validations |
| DMZ | performs packet filtering to restrict access on which traffic types are forwarded through the corporate network |
| firewall | a security option that is used to hide an internal network address before packets are forwarded to another network |

**Answer:**

| | |
|---|---|
| ACL | DMZ |
| NAT | firewall |
| DMZ | ACL |
| firewall | NAT |


**QUESTION 8**

Which statement describes the recommended deployment of DNS and DHCP servers in the Cisco Network Architecture for the Enterprise?

A.  Place the DHCP and DNS servers in the enterprise campus access layer and enterprise branch.
B.  Place the DHCP and DNS servers in the enterprise campus server farm layer and enterprise branch.
C.  Place the DHCP server in the enterprise campus core layer and remote access and VPN module, and place the DNS server in the Internet connectivity module.
D.  Place the DHCP server in the enterprise campus distribution layer, and place the DNS server in the Internet connectivity module.

**Answer:** B

**QUESTION 9**
For a VLAN that requires 70 hosts, which subnet is the most efficient?

A.  10.0.0.1/8
B.  172.31.17.0/26
C.  192.168.1.0/25
D.  192.168.15.0/24

**Answer:** C

**QUESTION 10**
Which item is the fundamental basis of a virtual network?

A.  a VRF instance
B.  a MIB database
C.  a GRE tunnel
D.  redundant hardware

**Answer:** A

**QUESTION 11**
Your company uses OSPF for internal routing. The company will be connected to VendorA via a single dedicated link and to VendorB via redundant dedicated links. Both vendors also use OSPF for internal routing.
Which of the following deployments describes the best intra-domain routing practice in this situation?

A.  Connect your company to both VendorA and VendorB using existing OSPF.
B.  Redistribute the routes on each link between your company and the vendors to a shared EIGRP routing protocol.
C.  Use IBGP to reach VendorA and EBGP to reach VendorB.
D.  Use static routes to reach VendorA and EBGP to reach VendorB.
E.  Use static routes to reach both VendorA and VendorB.

**Answer:** D

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