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What should be considered when scaling EIGRP (Choose three)?

- A. CPU
- B. Peers
- C. Query scope
- D. Interface Bandwidth
- E. Memory
- F. IP Address

Correct Answer: ABC

QUESTION 36

Which Layer in the Cisco Enterprise Architecture model is highly available, has fast convergence, and should avoid packet manipulation?

- A. Campus distribution
- B. enterprise data center
- C. enterprise edge
- D. campus access
- E. campus core
- F. remote access VPN

Correct Answer: E

Explanation:

<http://www.ciscopress.com/articles/article.asp?p=1315434>

QUESTION 37

In which two modes can you deploy Cisco IPS appliances? (Choose two.)

- A. inline
- B. promiscuous
- C. VTP group
- D. threat mitigation
- E. threat detection

Correct Answer: AB

QUESTION 38

In which phase of PPDIOO are the network requirements identified?

- A. Design
- B. Plan
- C. Prepare
- D. Implement
- E. Operate
- F. Optimize

Correct Answer: B

Explanation:

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PPDIOO Phase	Description
Prepare	Establishes organization and business requirements, develops a network strategy, and proposes a high-level architecture
Plan	Identifies the network requirements by characterizing and assessing the network, performing a gap analysis
Design	Provides high availability, reliability, security, scalability, and performance
Implement	Installation and configuration of new equipment
Operate	Day-to-day network operations
Optimize	Proactive network management; modifications to the design

Plan Phase

The Plan phase identifies the network requirements based on goals, facilities, and user needs. This phase characterizes sites and assesses the network, performs a gap analysis against best-practice architectures, and looks at the operational environment. A project plan is developed to manage the tasks, responsible parties, milestones, and resources to do the design and implementation. The project plan aligns with the scope, cost, and resource parameters established with the original business requirements. This project plan is followed (and updated) during all phases of the cycle.

QUESTION 39

For a VLAN that requires 60 hosts, which subnet is the most efficient?

- A. 172.31.17.0/27
- B. 10.0.0.1/20
- C. 192.68.15.0/24
- D. 10.10.10.0/26

Correct Answer: D

QUESTION 40

An engineer wants to find all of the objects of a certain type available in the MIT. Which kind of query must be performed?

- A. object-level
- B. tree-level
- C. class-level
- D. subtree-level

Correct Answer: D

QUESTION 41

A company is implementing an Identity Management solution with these characteristics:

- existing AAA Server
- Cisco Catalyst switches
- minimal added investments

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Which Cisco Trust and Identity Management solution would you recommend?

- A. NAC Appliance
- B. Cisco IBNS
- C. CSM
- D. Cisco Security MARS

Correct Answer: B

QUESTION 42

A network architect working for a larger financial institutions is designing a VPN solution that must include encryption Which VPN type requirement?

- A. GETVPN (Group Encrypted Transport VPN)
- B. L2VPN
- C. MPLS VPN
- D. L3VPN

Correct Answer: A

Explanation:

<https://supportforums.cisco.com/t5/vpn/l3vpn-and-ipsec/td-p/2557205>

https://www.cisco.com/c/dam/en/us/products/collateral/security/group-encrypted-transport-vpn/prod_presentation0900aecd80582031.pdf

QUESTION 43

Which one of the following is "synchronous link" design?

- A. SSL VPN over serial cable modem
- B. Bonded T1s
- C. Internet VPN
- D. MPLS VPN

Correct Answer: B

Explanation:

<https://community.spiceworks.com/topic/325935-mpls-speeds>

QUESTION 44

What are two important aspects to consider when looking at backup circuit options for a branch location?

- A. local exchange carrier diversity
- B. type of dynamic routing protocol
- C. type of core switch
- D. backup MPLS connection
- E. Internet service provider diversity

Correct Answer: BE

QUESTION 45

Which VPN tunneling technology supports IP multicast?

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<https://www.ensurepass.com/200-310.html>

- A. DMVPN spoke-to-spoke
- B. Cisco Easy VPN
- C. IPsec direct encapsulation spoke-to-spoke
- D. IPsec direct encapsulation hub-and-spoke

Correct Answer: A

QUESTION 46

Which option is an example of a fixed two-level hierarchical routing protocol?

- A. OSPF
- B. RIPv2
- C. EIGRP
- D. static routes

Correct Answer: A

QUESTION 47

What kind of servers you should place in DMZ?

- A. WWW
- B. FTP
- C. DHCP
- D. TACACS+
- E. NFP

Correct Answer: AB

QUESTION 48

Which statement about using VSS on a pair of switches is true?

- A. IT enables the pair to operate as one logical switch.
- B. It requires HSRP
- C. It enables the administrator to manage each switch separately
- D. it blocks traffic on the redundant link to prevent loops.

Correct Answer: A

Explanation:

<https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst6500/ios/12-2SX/configuration/guide/book/vss.html#wp1062785>

QUESTION 49

Which IETF standard technology can be used with data center design to readily scale server virtualization?

- A. Transparent Interconnection of Lots of Links
- B. OTV
- C. vPC
- D. FCoE

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Correct Answer: A

QUESTION 50

Which two options best describe the top-down design approach? (Choose two)

- A. The approach begins with the needs of the organization
- B. The design will meet both current and future requirements.
- C. Organizational requirements should not be included.
- D. The design is based on previous experience and allows for a quick solution.
- E. The approach begins with the physical layer of the OSI model.

Correct Answer: AB

Explanation:

https://www.cisco.com/c/dam/en_us/training-events/le31/le46/cln/qlm/CCDA/design/top-down-approach-to-network-design-3/player.html

QUESTION 51

which options characterizes normal traffic flow and performance? (Choose two)

- A. Bandwidth
- B. Utilization
- C. Availability
- D. Baseline

Correct Answer: AB

QUESTION 52

A data center is being deployed, and one design requirement is to be able to readily scale server virtualization. Which IETF standard technology can provide this requirement?

- A. Transparent Interconnection of Lots of Links
- B. Cisco FabricPath
- C. data center bridging
- D. Cisco Unified Fabric

Correct Answer: A

QUESTION 53

Refer to the exhibit. Assuming that a network will grow exponentially for the next 24 months, what is the main limitation that must be addressed?