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Cisco 400-007

Cisco Certified Design Expert CCDE v3.0

Questions & Answers PDF

(Demo Version – Limited Content)

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The CCDE v3.0 certification is designed for professionals who have extensive experience in network design and architecture. Cisco Certified Design Expert (CCDE v3.0) Written Exam certification validates the ability of a network designer to create advanced network solutions that meet the business requirements of organizations. The Cisco 400-007 Certification Exam is one of the requirements for obtaining the CCDE v3.0 certification.

Cisco 400-007 exam is a written test that evaluates the candidate's understanding of network design principles, methodologies, and best practices. 400-007 exam consists of 90-110 multiple-choice questions, and candidates have two hours to complete it. 400-007 exam is administered in English and can be taken at any Pearson VUE testing center worldwide.

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Cisco Certified Design Expert (CCDE v3.0) Written Exam Sample Questions (Q338-Q343):

NEW QUESTION # 338

Which actions are performed at the distribution layer of the three-layer hierarchical network design model?
(Choose two)

- A. QoS classification and marking boundary
- B. Fault isolation
- C. Reliability
- D. Redundancy and load balancing
- E. Fast transport

Answer: A,D

Explanation:

The distribution layer serves as the boundary between the access and core layers in the three-tier hierarchical design. It plays a crucial role in providing policy enforcement, control, and boundary functions, including:

- * QoS classification and marking (C): The distribution layer serves as the boundary for Quality of Service policies. It marks and classifies traffic as it moves from access to core layers, ensuring proper QoS treatment in the core.
- * Redundancy and load balancing (E): The distribution layer provides link redundancy (e.g., dual-homing access layer switches) and performs load balancing to optimize path selection toward the core.

Other options explained:

- * A (Fast transport): Typically associated with the core layer, which focuses on high-speed forwarding.
- * B (Reliability): While reliability is a network-wide goal, it's not a primary function of the distribution layer specifically.
- * D (Fault isolation): While partial fault containment occurs, primary fault isolation happens at the access layer.

NEW QUESTION # 339

A financial company requires that a custom TCP-based stock-trading application be prioritized over all other traffic for the business due to the associated revenue. The company also requires that VoIP be prioritized for manual trades. Which directive should be followed when a QoS strategy is developed for the business?

- A. Interleave the custom application with other TCP applications in the same CBWR
- B. The custom application and VoIP must be assigned their own separate priority queue.
- C. Avoid placing the custom application in a CBWFQ queue that contains other
- D. Allow VoIP and the custom application to share the same priority queue,

Answer: B

NEW QUESTION # 340

Company XYZ asks for design recommendations for Layer 2 redundancy. The company wants to prioritize fast convergence and resiliency elements. In the design. Which two technologies are recommended? (Choose two.)

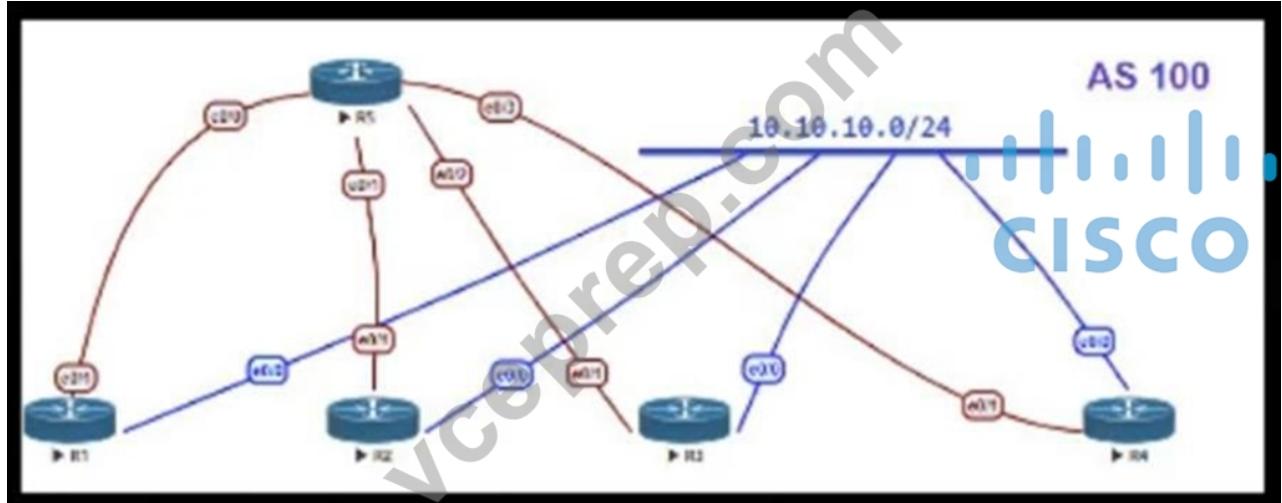
- A. Use root guard.
- B. Use BPDU guard.
- C. Use UniDirectional Link Detection.
- D. Configure DHCP snooping on the switches.

- E. Design MLAG/MC-LAG into the network wherever possible.

Answer: C,E

NEW QUESTION # 341

Refer to the exhibit. OSPF is running as the IGP to provide reachability to all AS100 networks. R3 and R4 are the current ABRs at the boundary of OSPF Area0 and Area1. Now BGP must be deployed within AS100 because it will be receiving Internet routes from its eBGP peers (the service provider) connected to R1 and R2. What is an optimal solution for this deployment to configure BGP relationships and redistribute BGP learned routes into OSPF?



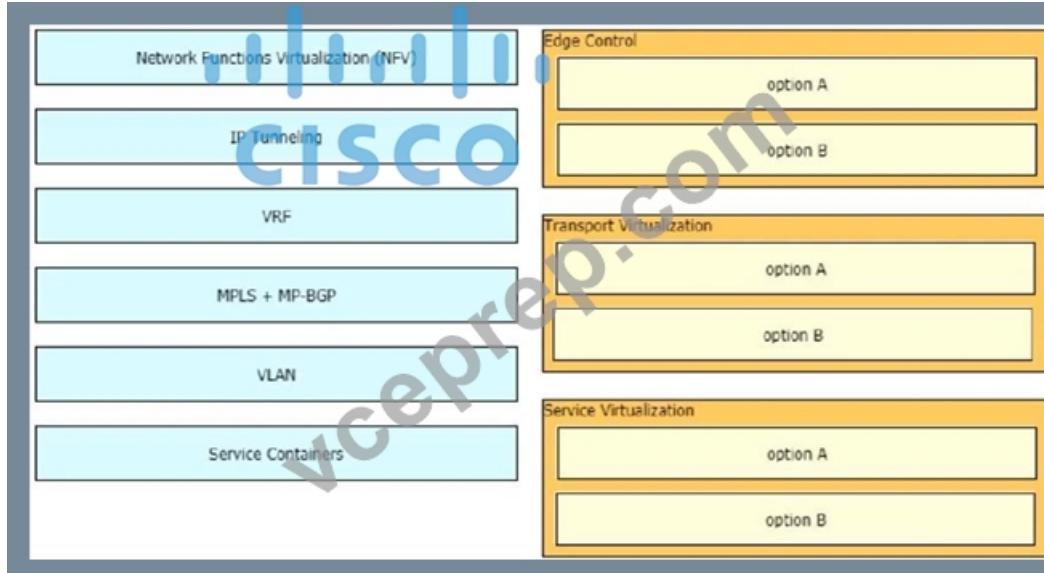
- A. Configuration should be set up with R1 and R2, and R3 in one sub AS, with and R4 in another, and redistribution at R1 and R2.
- B. R5 should be configured as a route reflector for R1, R2, R3 and R4. BGP routes must be redistributed at R1 and R2 into OSPF.
- C. R1, R2, R3 and R4 must be set up with a neighbor relationship with R5 only must not be a route reflector.
- D. A full mesh should be deployed between all the routers with mutual redistribution to take place at R1 and R2.

Answer: B

NEW QUESTION # 342

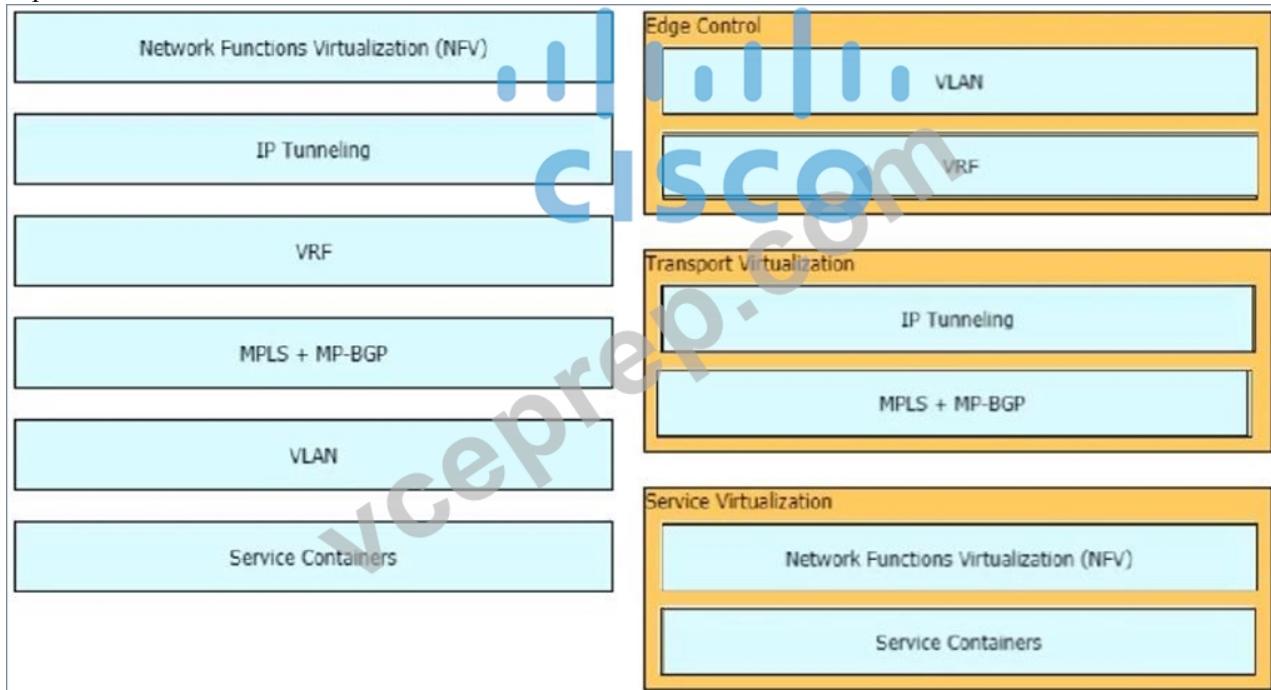
Drag and Drop Question

Drag and drop the end-to-end network virtualization elements from the left onto the correct network areas on the right.



Answer:

Explanation:



NEW QUESTION # 343

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