



Free Cisco 350-401 ENCOR Practice Questions

Shared by Langley on 13-08-2026

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Question 1

Question Type: MultipleChoice

What are two of benefits of using VXLAN? (Choose two.)

Options:

- A- It allows for an unlimited number of segments.
- B- It has fewer devices to manage.
- C- It uses all available Layer 3 paths in the underlying network.
- D- It allows multi-tenanted segmentation.
- E- It uses a MAC in IP/TCP encapsulation technique.

Answer:

A, C

Question 2

Question Type: MultipleChoice

How is Layer 3 roaming accomplished in a unified wireless deployment?

Options:

- A- An EoIP tunnel is created between the client and the anchor controller to provide seamless connectivity as the client is associated with the new AP.
- B- The client entry on the original controller is passed to the database on the new controller.
- C- The new controller assign an IP address from the new subnet to the client.
- D- The client database on the original controller is updated with the anchor entry, and the new controller database is updated with the foreign entry.

Answer:

D

Question 3

Question Type: MultipleChoice

What is a characteristic of the overlay network in the Cisco SD-Access architecture?

Options:

- A- It provides multicast support to enable Layer 2 flooding capability in the underlay network.
- B- It consists of a group of physical routers and switches that are used to maintain the network.
- C- It uses a traditional routed access design to provide performance and high availability to the network.
- D- It provides isolation among the virtual networks and independence from the physical network.

Answer:

D

Explanation:

The correct answer is D. It provides isolation among the virtual networks and independence from the physical network.

Key Concept (Cisco SD-Access Architecture):

Cisco SD-Access is based on two main layers:

Underlay network Physical infrastructure (routers, switches, IP connectivity)

Overlay network Virtualized logical network built on top of the underlay

Overlay Network Characteristics:

According to Cisco ENCOR architecture principles, the overlay network:

Uses technologies like LISP (control plane) and VXLAN (data plane)

Creates virtual networks (VNs) for segmentation

Provides end-to-end logical separation (macro-segmentation)

Is independent of the physical topology

Enables scalable and flexible network design

Thus, the overlay abstracts the complexity of the underlay and ensures isolation between different user groups, departments, or tenants.

Why Option D is Correct:

Directly describes virtual network segmentation

Matches Cisco's definition of overlay abstraction and independence

Core principle of SD-Access fabric design

Why Other Options Are Incorrect:

A .

Multicast and Layer 2 flooding relate more to underlay or legacy designs, not overlay behavior.

B .

Describes the underlay network (physical devices), not overlay.

C .

Refers to traditional network design, which SD-Access replaces.

Final ENCOR Exam Tip:

Underlay = Physical IP network (reachability)

Overlay = Virtual segmentation & policy (VXLAN + LISP)

Overlay = Abstraction + Segmentation + Independence

Question 4

Question Type: MultipleChoice

In a Cisco SD-Access solution, which protocol is used by an extended node to connect to a single edge node?

Options:

A- VXIAN

B- IS-IS

C- 802.1

D- CTS

Answer:

C

Question 5

Question Type: MultipleChoice

Refer to the exhibit.

The request shows the following response information:

Request URL: <https://www.cisco.com/libs/granite/csrf/token.json> Request Method: GET Status Code: 403 Remote Address: 23.207.65.173:443 Referrer Policy: strict-origin-when-cross-origin

Why was the response code generated?

Options:

- A- The resource is no longer available on the server.
- B- The resource was unreachable.
- C- There is a conflict in the current state of the resource.
- D- Access was denied based on the user permissions.

Answer:

D

Explanation:

The status code shown in the exhibit is HTTP 403, which means the server understood the request but refused to authorize it. This is different from a missing resource, unreachable server, or state conflict. Option D is correct because a 403 Forbidden response indicates that access was denied due to authorization, permission, policy, or authentication-context restrictions. Option A describes a 410 Gone condition, where the resource is no longer available. Option B is not represented by a 403; unreachable resources normally produce network errors, timeouts, DNS issues, or gateway-level errors. Option C aligns more closely with HTTP 409 Conflict, which indicates the request conflicts with the current state of the resource. In API troubleshooting, reading the response code accurately matters. 401 usually means authentication is required or failed, while 403 means the client is recognized or the request is understood, but access is not allowed. The ENCOR automation focus is interpreting REST API status codes correctly during controller, network assurance, and programmability workflows. Reference/topics: ENCOR Automation, REST APIs, HTTP response codes, API authorization, 403 Forbidden, controller API troubleshooting.

Question 6

Question Type: MultipleChoice

An engineer must configure a new 6 Ghz only SSID on a cisco catalyst 9800 series WLC, with these requirements:

Provide 802.11ax data rates for supported devices

All users authenticate using a certificate

Which wireless layer 2 security mode meets the requirements?

Options:

- A- WPA2 Enterprise
- B- WPA3 Personal
- C- WPA2 Personal
- D- WPA3 Enterprise

Answer:

D

Question 7

Question Type: MultipleChoice

An engineer is reviewing a PCAP file that contains a packet capture of a four-way handshake exchange between a client and AP using WPA2 Enterprise Which EAPOL message validates and confirms that the client device has successfully installed the GTK?

Options:

- A- M4-Message
- B- M3-Message
- C- M2-Message
- D- M1-Message

Answer:

A

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