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QUESTION 1

Which option is a valid IPv6 address?

- A. 2001:0000:130F::099a::12a
- B. 2002:7654:A1AD:61:81AF:CCC1
- C. FEC0:ABCD:WXYZ:0067::2A4
- D. 2004:1:25A4:886F::1

Correct Answer: D

An IPv6 address is represented as eight groups of four hexadecimal digits, each group representing 16 bits (two octets). The groups are separated by colons (:). An example of an IPv6 address is 2001:0db8:85a3:0000:0000:8a2e:0370:7334. The leading 0's in a group can be collapsed using ::, but this can only be done once in an IP address.

QUESTION 2

Refer to the exhibit.

```
CertBus-Atlanta#conf t
Enter configuration commands, one per line. End with CNTL/Z.
CertBus-Atlanta(config)#aaa new-model
CertBus-Atlanta(config)#aaa authentication login default local
CertBus-Atlanta(config)#line vty 0 4
CertBus-Atlanta(config-line)#login authentication default
CertBus-Atlanta(config-line)#exit
CertBus-Atlanta(config)#username ciscoadmin password adminadmin123
CertBus-Atlanta(config)#username ciscoadmin privilege 15
CertBus-Atlanta(config)#enable password cisco123
CertBus-Atlanta(config)#enable secret testing1234
CertBus-Atlanta(config)#end
```

Which password must an engineer use to enter the enable mode?

- A. adminadmin123
- B. cisco123
- C. default
- D. testing1234

Correct Answer: D



QUESTION 3

Drag and drop the functions from the left onto the correct network components on the right.

Select and Place:

- holds the TCP/IP settings to be distributed to the clients
- resolves web URLs to IP addresses
- stores a list of IP addresses mapped to names
- assigns a default gateway to a client
- assigns IP addresses to enabled clients

DHCP Server

DNS Server

Correct Answer:

DHCP Server

assigns a default gateway to a client

holds the TCP/IP settings to be distributed to the clients

assigns IP addresses to enabled clients

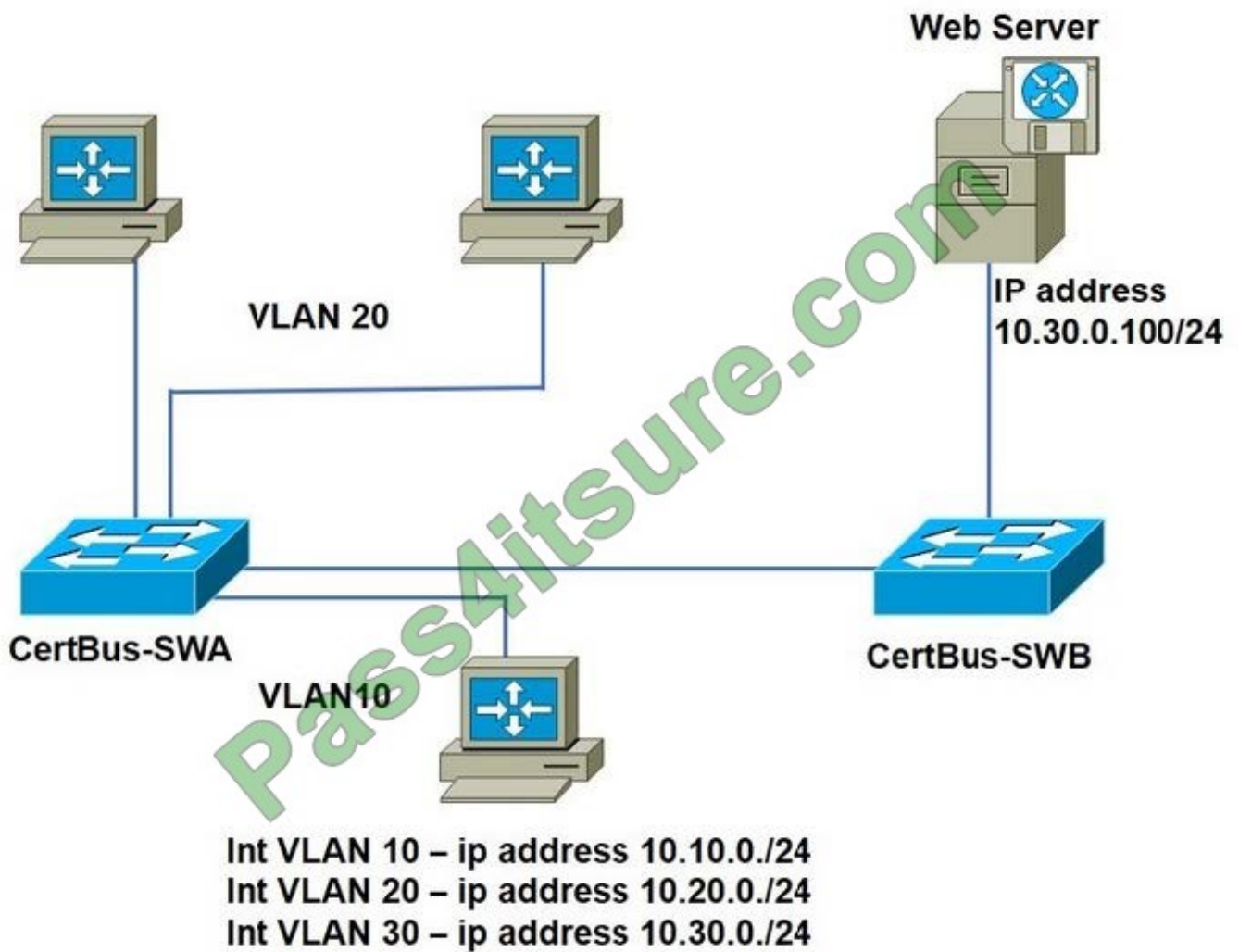
DNS Server

resolves web URLs to IP addresses

stores a list of IP addresses mapped to names

QUESTION 4

Refer to the exhibit.



A network engineer must block access for all computers on VLAN 20 to the web server via HTTP. All other computers must be able to access the web server.

**A**

```
Config t
ip access-list extended wwwblock
deny tcp any host 10.30.0.100 eq 80
int vlan 10
ip address-group wwwblock in
```

B

```
Config t
ip access-list extended wwwblock
deny tcp any host 10.30.0.100 eq 80
permit ip any any
int vlan 20
ip address-group wwwblock in
```

C

```
Config t
ip access-list extended wwwblock
permit ip any any
deny tcp any host 10.30.0.100 eq 80
int vlan 30
ip address-group wwwblock in
```

D

```
Config t
ip access-list extended wwwblock
permit ip any any
deny tcp any host 10.30.0.100 eq 80
int vlan 20
ip address-group wwwblock in
```

Which configuration when applied to switch A accomplishes this task?

A. Option A



B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 5

Which two values or settings must be entered when configuring a new WLAN in the Cisco Wireless LAN Controller GUI? (Choose two.)

A. QoS settings

B. IP address of one or more access points

C. SSID

D. profile name

E. management interface settings

Correct Answer: CD

QUESTION 6

Which three statements about MAC addresses are correct? (Choose three.)

A. To communicate with other devices on a network, a network device must have a unique MAC address.

B. The MAC address is also referred to as the IP address.

C. The MAC address of a device must be configured in the Cisco IOS CLI by a user with administrative privileges.

D. A MAC address contains two main components, the first of which identifies the manufacturer of the hardware and the second of which uniquely identifies the hardware.

E. An example of a MAC address is 0A:26:B8: D6:65:90.

F. A MAC address contains two main components, the first of which identifies the network on which the host resides and the second of which uniquely identifies the host on the network.

Correct Answer: ADE

QUESTION 7



Which three statements about network characteristics are true? (Choose three.)

- A. Speed is a measure of the data rate in bits per second of a given link in the network.
- B. Scalability indicates how many nodes are currently on the network.
- C. The logical topology is the arrangement of cables, network devices, and end systems.
- D. Availability is a measure of the probability that the network will be available for use when it is required.
- E. Reliability indicates the dependability of the components that make up the network.

Correct Answer: ADE

QUESTION 8

Which command is used to specify the delay time in seconds for LLDP to initialize on any interface?

- A. lldp timer
- B. lldp tlv-select
- C. lldp reinit
- D. lldp holdtime

Correct Answer: C

Reference: https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst2960/software/release/12-2_37_ey/configuration/guide/scg/swlldp.pdf

QUESTION 9

When a site-to-site VPN is used, which protocol is responsible for the transport of user data?

- A. IPsec
- B. IKEv1
- C. MD5
- D. IKEv2

Correct Answer: A

QUESTION 10

Which two statements about the purpose of the OSI model are accurate? (Choose two.)



- A. Defines the network functions that occur at each layer
- B. Facilitates an understanding of how information travels throughout a network
- C. Changes in one layer do not impact other layer

Correct Answer: AB

QUESTION 11

Which statement about static and dynamic routes is true?

- A. Dynamic routes are manually configured by a network administrator, while static routes are automatically learned and adjusted by a routing protocol.
- B. Static routes are manually configured by a network administrator, while dynamic routes are automatically learned and adjusted by a routing protocol.
- C. Static routes tell the router how to forward packets to networks that are not directly connected, while dynamic routes tell the router how to forward packets to networks that are directly connected.
- D. Dynamic routes tell the router how to forward packets to networks that are not directly connected, while static routes tell the router how to forward packets to networks that are directly connected.

Correct Answer: B

QUESTION 12

Which option about JSON is true?

- A. uses predefined tags or angle brackets () to delimit markup text
- B. used to describe structured data that includes arrays
- C. used for storing information
- D. similar to HTML, it is more verbose than XML

Correct Answer: B



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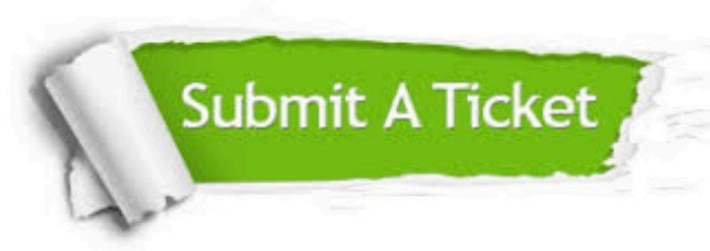
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