Cisco

Exam 351-018

CCIE Security Exam (4.0)

Version: 25.0

[Total Questions: 507]

Topic break down

Topic	No. of Questions
Topic 1: Volume A	100
Topic 2: Volume B	100
Topic 3: Volume C	100
Topic 4: Volume D	100
Topic 5: Volume E	107

Topic 1, Volume A

Question No : 1 - (Topic 1)

Which two security measures are provided when you configure 802.1X on switchports that connect to corporate-controlled wireless access points? (Choose two.)

A. It prevents rogue APs from being wired into the network.
B. It provides encryption capability of data traffic between APs and controllers.
C. It prevents rogue clients from accessing the wired network.
D. It ensures that 802.1x requirements for wired PCs can no longer be bypassed by disconnecting the AP and connecting a PC in its place.

Answer: A,D

Question No : 2 - (Topic 1)

An IPv6 multicast receiver joins an IPv6 multicast group using which mechanism?

A. IGMPv3 report
B. IGMPv3 join
C. MLD report
D. general query
E. PIM join

Answer: C

Question No : 3 - (Topic 1)

DNSSEC was designed to overcome which security limitation of DNS?

A. DNS man-in-the-middle attacks
B. DNS flood attacks
C. DNS fragmentation attacks
D. DNS hash attacks
E. DNS replay attacks
F. DNS violation attacks

Answer: A

Question No : 4 - (Topic 1)

Which three statements are true about the transparent firewall mode in Cisco ASA? (Choose three.)

A. The firewall is not a routed hop.
B. The firewall can connect to the same Layer 3 network on its inside and outside interfaces.
C. Static routes are supported.
D. PAT and NAT are not supported.
E. Only one global address per device is supported for management.
F. SSL VPN is supported for management.

Answer: A,B,C

Question No : 5 - (Topic 1)

With the Cisco FlexVPN solution, which four VPN deployments are supported? (Choose four.)

A. site-to-site IPsec tunnels?
B. dynamic spoke-to-spoke IPSec tunnels? (partial mesh)
C. remote access from software or hardware IPsec clients?
D. distributed full mesh IPsec tunnels?
E. IPsec group encryption using GDOI?
F. hub-and-spoke IPsec tunnels?

Answer: A,B,C,F

Question No : 6 - (Topic 1)

Which statement is true about the Cisco NEAT 802.1X feature?

A. The multidomain authentication feature is not supported on the authenticator switch interface.

B. It allows a Cisco Catalyst switch to act as a supplicant to another Cisco Catalyst authenticator switch.
C. The supplicant switch uses CDP to send MAC address information of the connected host to the authenticator switch.
D. It supports redundant links between the supplicant switch and the authenticator switch.

Answer: B

Question No : 7 - (Topic 1)

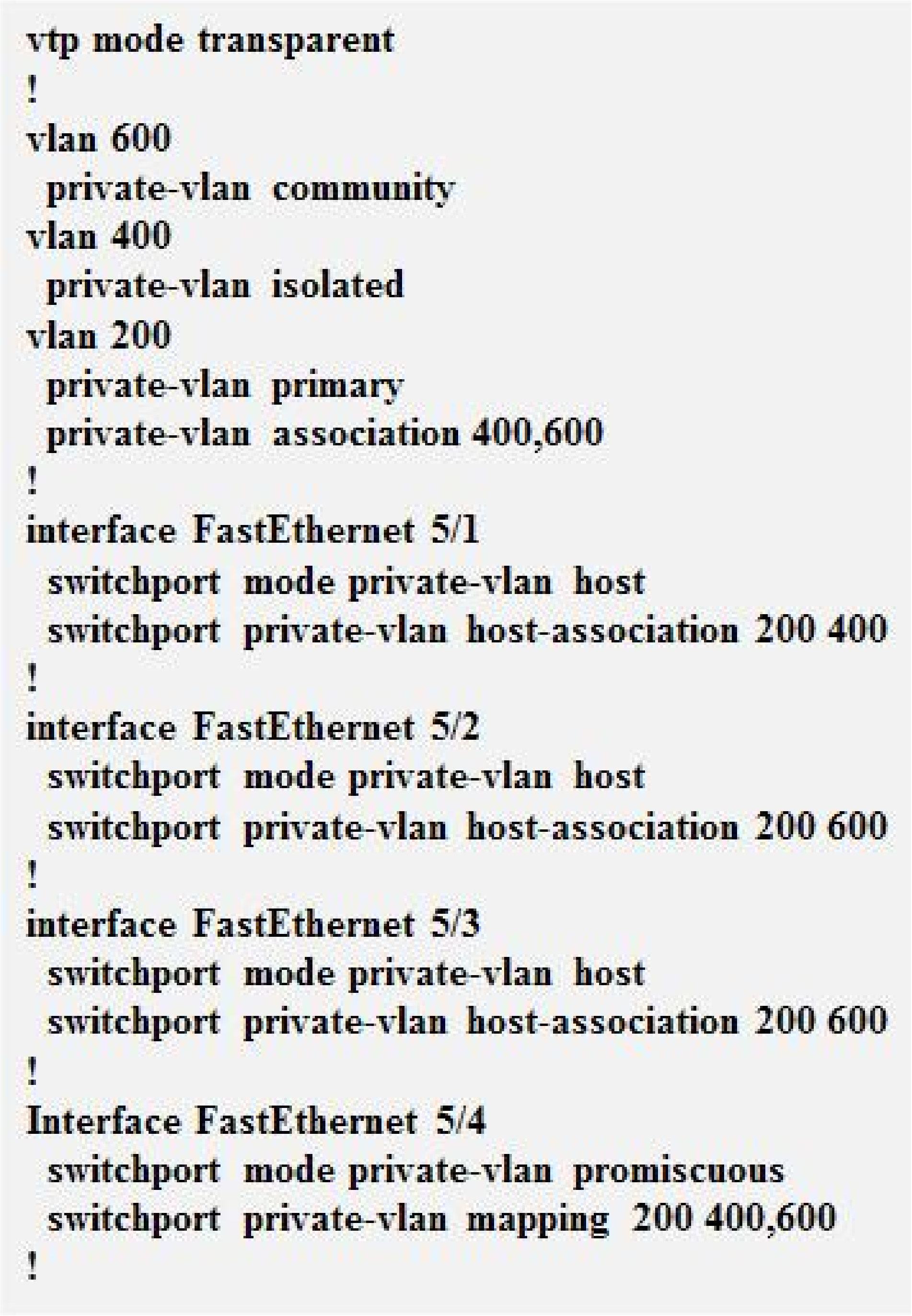
Which type of VPN is based on the concept of trusted group members using the GDOI key management protocol?

A. DMVPN
B. SSLVPN
C. GETVPN
D. EzVPN
E. MPLS VPN
F. FlexVPN

Answer: C

Question No : 8 - (Topic 1)

Refer to the exhibit.



```
vtp mode transparent
!
vlan 600
 private-vlan  community
vlan 400
 private-vlan  isolated
vlan 200
 private-vlan  primary
 private-vlan  association 400,600
!
interface FastEthernet 5/1
 switchport  mode private-vlan  host
 switchport  private-vlan  host-association  200 400
!
interface FastEthernet 5/2
 switchport  mode private-vlan  host
 switchport  private-vlan  host-association  200 600
!
interface FastEthernet 5/3
 switchport  mode private-vlan  host
 switchport  private-vlan  host-association  200 600
!
Interface FastEthernet  5/4
 switchport  mode private-vlan  promiscuous
 switchport  private-vlan  mapping  200 400,600
!
```

Which two statements about this Cisco Catalyst switch configuration are correct? (Choose two.)

A. The default gateway for VLAN 200 should be attached to the FastEthernet 5/1 interface.
B. Hosts attached to the FastEthernet 5/1 interface can communicate only with hosts attached to the FastEthernet 5/4 interface.
C. Hosts attached to the FastEthernet 5/2 interface can communicate with hosts attached to the FastEthernet 5/3 interface.
D. Hosts attached to the FastEthernet 5/4 interface can communicate only with hosts attached to the FastEthernet 5/2 and FastEthernet 5/3 interfaces.
E. Interface FastEthernet 5/1 is the community port.

F. Interface FastEthernet 5/4 is the isolated port.

Answer: B,C

Question No : 9 - (Topic 1)

Which IPv6 tunnel type is a standard that is defined in RFC 4214?

A. ISATAP
B. 6to4
C. GREv6
D. manually configured

Answer: A

Question No : 10 - (Topic 1)

Which configuration implements an ingress traffic filter on a dual-stack ISR border router to prevent attacks from the outside to services such as DNSv6 and DHCPv6?

A. !

```
ipv6 access-list test
deny ipv6 FF05::/16 any
deny ipv6 any FF05::/16
! output omitted
permit ipv6 any any
!
```

B. !

```
ipv6 access-list test
permit ipv6 any FF05::/16
! output omitted
deny ipv6 any any
!
```

C. !

```
ipv6 access-list test
deny ipv6 any any eq dns
deny ipv6 any any eq dhcp
! output omitted
permit ipv6 any any
!
```

D. !

```
ipv6 access-list test
deny ipv6 any 2000::/3
! output omitted
permit ipv6 any any
!
```

E. !

```
ipv6 access-list test
deny ipv6 any FE80::/10
! output omitted
permit ipv6 any any
!
```

Answer: A

Question No : 11 - (Topic 1)

Which layer of the OSI reference model typically deals with the physical addressing of interface cards?

A. physical layer
B. data-link layer
C. network layer
D. host layer

Answer: B

Question No : 12 - (Topic 1)

If a host receives a TCP packet with an SEQ number of 1234, an ACK number of 5678, and a length of 1000 bytes, what will it send in reply?

A. a TCP packet with SEQ number: 6678, and ACK number: 1234
B. a TCP packet with SEQ number: 2234, and ACK number: 5678
C. a TCP packet with SEQ number: 1234, and ACK number: 2234
D. a TCP packet with SEQ number: 5678, and ACK number 2234

Answer: D

Question No : 13 - (Topic 1)

Which traffic class is defined for non-business-relevant applications and receives any bandwidth that remains after QoS policies have been applied?

A. scavenger class
B. best effort
C. discard eligible
D. priority queued

Answer: A

Question No : 14 - (Topic 1)

Which three statements are true about PIM-SM operations? (Choose three.)

A. PIM-SM supports RP configuration using static RP, Auto-RP, or BSR.
B. PIM-SM uses a shared tree that is rooted at the multicast source.
C. Different RPs can be configured for different multicast groups to increase RP scalability.
D. Candidate RPs and RP mapping agents are configured to enable Auto-RP.
E. PIM-SM uses the implicit join model.

Answer: A,C,D

Question No : 15 - (Topic 1)

What are two benefits of using IKEv2 instead of IKEv1 when deploying remote-access IPsec VPNs? (Choose two.)

A. IKEv2 supports EAP authentication methods as part of the protocol.
B. IKEv2 inherently supports NAT traversal.
C. IKEv2 messages use random message IDs.
D. The IKEv2 SA plus the IPsec SA can be established in six messages instead of nine messages.
E. All IKEv2 messages are encryption-protected.

Answer: A,B

Question No : 16 - (Topic 1)

Which of the following best describes Chain of Evidence in the context of security forensics?

A. Evidence is locked down, but not necessarily authenticated.
B. Evidence is controlled and accounted for to maintain its authenticity and integrity.
C. The general whereabouts of evidence is known.
D. Someone knows where the evidence is and can say who had it if it is not logged.

Answer: B

Question No : 17 - (Topic 1)

Which two IPv6 tunnel types support only point-to-point communication? (Choose two.)

A. manually configured
B. automatic 6to4
C. ISATAP
D. GRE

Answer: A,D

Question No : 18 - (Topic 1)

Refer to the exhibit.