Vendor: Cisco

Exam Code: 640-554

Exam Name: Implementing Cisco IOS Network Security (IINS v2.0)

Version: Demo

QUESTION 1
Which two features are supported by Cisco IronPort Security Gateway? (Choose two.)

A. spam protection
B. outbreak intelligence
C. HTTP and HTTPS scanning
D. email encryption
E. DDoS protection

Correct Answer: AD

QUESTION 2
Which option is a feature of Cisco ScanSafe technology?

A. spam protection
B. consistent cloud-based policy
C. DDoS protection
D. RSA Email DLP

Correct Answer: B

QUESTION 3
Which two characteristics represent a blended threat? (Choose two.)

A. man-in-the-middle attack
B. trojan horse attack
C. pharming attack
D. denial of service attack
E. day zero attack

Correct Answer: BE

QUESTION 4
Under which higher-level policy is a VPN security policy categorized?

A. application policy
B. DLP policy
C. remote access policy
D. compliance policy
E. corporate WAN policy

Correct Answer: C

QUESTION 5

Refer to the exhibit. What does the option secret 5 in the username global configuration mode command indicate about the user password?

```
router#sh run | include username

username test secret 5 $1$knm.$GOGQBIL8TK77P0LWxvX4O0
```

A. It is hashed using SHA.
B. It is encrypted using DH group 5.
C. It is hashed using MD5.
D. It is encrypted using the service password-encryption command.
E. It is hashed using a proprietary Cisco hashing algorithm.
F. It is encrypted using a proprietary Cisco encryption algorithm.

Correct Answer: C

QUESTION 6

What does level 5 in this enable secret global configuration mode command indicate?

router#enable secret level 5 password

A. The enable secret password is hashed using MD5.
B. The enable secret password is hashed using SHA.
C. The enable secret password is encrypted using Cisco proprietary level 5 encryption.
D. Set the enable secret command to privilege level 5.
E. The enable secret password is for accessing exec privilege level 5.

Correct Answer: E

QUESTION 7

Which Cisco management tool provides the ability to centrally provision all aspects of device configuration across the Cisco family of security products?

A. Cisco Configuration Professional
B. Security Device Manager
C. Cisco Security Manager

D. Cisco Secure Management Server

Correct Answer: C

QUESTION 8
Which option is the correct representation of the IPv6 address 2001:0000:150C:0000:0000:41B1:45A3:041D?

A. 2001::150c::41b1:45a3:041d
B. 2001:0:150c:0::41b1:45a3:04d1
C. 2001:150c::41b1:45a3::41d
D. 2001:0:150c::41b1:45a3:41d

Correct Answer: D

QUESTION 9
Which three options are common examples of AAA implementation on Cisco routers? (Choose three.)

A. authenticating remote users who are accessing the corporate LAN through IPsec VPN connections
B. authenticating administrator access to the router console port, auxiliary port, and vty ports
C. implementing PKI to authenticate and authorize IPsec VPN peers using digital certificates
D. tracking Cisco NetFlow accounting statistics
E. securing the router by locking down all unused services
F. performing router commands authorization using TACACS+

Correct Answer: ABF

QUESTION 10
When AAA login authentication is configured on Cisco routers, which two authentication methods should be used as the final method to ensure that the administrator can still log in to the router in case the external AAA server fails? (Choose two.)

A. group RADIUS
B. group TACACS+
C. local
D. krb5
E. enable
F. if-authenticated

Correct Answer: CE

QUESTION 11

Which two characteristics of the TACACS+ protocol are true? (Choose two.)

A. uses UDP ports 1645 or 1812
B. separates AAA functions
C. encrypts the body of every packet
D. offers extensive accounting capabilities
E. is an open RFC standard protocol

Correct Answer: BC

QUESTION 12

Refer to the exhibit. Which statement about this output is true?

```
Oct 13 19:46:06.170: AAA/MEMORY: create_user (0x4C5E1F60) user='tecteam'
ruser='NULL' ds0=0 port='tty515' rem_addr='10.0.2.13' authen_type=ASCII
service=ENABLE priv=15 initial_task_id='0', vrf= (id=0)
Oct 13 19:46:06.170: AAA/AUTHEN/START (2600878790): port='tty515' list=''
action=LOGIN service=ENABLE
Oct 13 19:46:06.170: AAA/AUTHEN/START (2600878790): console enable - default to
enable password (if any)
Oct 13 19:46:06.170: AAA/AUTHEN/START (2600878790): Method=ENABLE
Oct 13 19:46:06.170: AAA/AUTHEN (2600878790): status = GETPASS
Oct 13 19:46:07.266: AAA/AUTHEN/CONT (2600878790): continue_login
(user='(undef)')
Oct 13 19:46:07.266: AAA/AUTHEN (2600878790): status = GETPASS
Oct 13 19:46:07.266: AAA/AUTHEN/CONT (2600878790): Method=ENABLE
Oct 13 19:46:07.266: AAA/AUTHEN(2600878790): password incorrect
Oct 13 19:46:07.266: AAA/AUTHEN (2600878790): status = FAIL
Oct 13 19:46:07.266: AAA/MEMORY: free_user (0x4C5E1F60) user='NULL'
ruser='NULL' port='tty515' rem_addr='10.0.2.13' authen_type=ASCII service=ENABLE
priv=15 vrf= (id=0)
```

A. The user logged into the router with the incorrect username and password.
B. The login failed because there was no default enable password.
C. The login failed because the password entered was incorrect.
D. The user logged in and was given privilege level 15.

Correct Answer: C

QUESTION 13

Refer to the exhibit. Which traffic is permitted by this ACL?

```
access-list 100 permit tcp 172.26.26.16 0.0.0.7 host 192.168.1.2 eq 443
access-list 100 permit tcp 172.26.26.16 0.0.0.7 host 192.168.1.2 eq 80
access-list 100 deny   tcp any host 192.168.1.2 eq telnet
access-list 100 deny   tcp any host 192.168.1.2 eq www
access-list 100 permit ip any any
```

A. TCP traffic sourced from any host in the 172.26.26.8/29 subnet on any port to host 192.168.1.2 port 80 or 443
B. TCP traffic sourced from host 172.26.26.21 on port 80 or 443 to host 192.168.1.2 on any port
C. any TCP traffic sourced from host 172.26.26.30 destined to host 192.168.1.1
D. any TCP traffic sourced from host 172.26.26.20 to host 192.168.1.2

Correct Answer: C

QUESTION 14

Refer to the exhibit. Which statement about this partial CLI configuration of an access control list is true?

```
access-list 2 permit 10.10.0.10
access-list 2 deny 10.10.0.0.0.0.255.255
access-list 2 permit 10.0.0.0.0.255.255.255
interface FastEthernet0/0
    ip access-group 2 in
```

A. The access list accepts all traffic on the 10.0.0.0 subnets.
B. All traffic from the 10.10.0.0 subnets is denied.
C. Only traffic from 10.10.0.10 is allowed.
D. This configuration is invalid. It should be configured as an extended ACL to permit the associated wildcard mask.
E. From the 10.10.0.0 subnet, only traffic sourced from 10.10.0.10 is allowed; traffic sourced from the other 10.0.0.0 subnets also is allowed.
F. The access list permits traffic destined to the 10.10.0.10 host on FastEthernet0/0 from any source.

Correct Answer: E

QUESTION 15
Which type of Cisco ASA access list entry can be configured to match multiple entries in a single statement?

A. nested object-class
B. class-map
C. extended wildcard matching
D. object groups

Correct Answer: D

QUESTION 16
Which statement about an access control list that is applied to a router interface is true?

A. It only filters traffic that passes through the router.
B. It filters pass-through and router-generated traffic.
C. An empty ACL blocks all traffic.
D. It filters traffic in the inbound and outbound directions.

Correct Answer: A

QUESTION 17
You have been tasked by your manager to implement syslog in your network. Which option is an important factor to consider in your implementation?

A. Use SSH to access your syslog information.
B. Enable the highest level of syslog function available to ensure that all possible event messages are logged.
C. Log all messages to the system buffer so that they can be displayed when accessing the router.
D. Synchronize clocks on the network with a protocol such as Network Time Protocol.

Correct Answer: D

QUESTION 18
Which protocol secures router management session traffic?

A. SSTP
B. POP
C. Telnet
D. SSH

Correct Answer: D

QUESTION 19

Which two considerations about secure network management are important? (Choose two.)

A. log tampering
B. encryption algorithm strength
C. accurate time stamping
D. off-site storage
E. Use RADIUS for router commands authorization.
F. Do not use a loopback interface for device management access.

Correct Answer: AC

QUESTION 20

Which command enables Cisco IOS image resilience?

A. secure boot-<IOS image filename>
B. secure boot-running-config
C. secure boot-start
D. secure boot-image

Correct Answer: D

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