350-401 Dumps

Implementing and Operating Cisco Enterprise Network Core Technologies

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NEW QUESTION 1
Which two pieces of information are necessary to compute SNR? (Choose two.)

A. EIRP
B. noise floor
C. antenna gain
D. RSSI
E. transmit power

Answer: BD

NEW QUESTION 2
A network administrator is implementing a routing configuration change and enables routing debugs to track routing behavior during the change. The logging output on the terminal is interrupting the command typing process. Which two actions can the network administrator take to minimize the possibility of typing commands incorrectly? (Choose two.)

A. Configure the logging synchronous global configuration command
B. Configure the logging delimiter feature
C. Configure the logging synchronous command under the vty
D. Press the TAB key to reprint the command in a new line
E. increase the number of lines on the screen using the terminal length command

Answer: CD

NEW QUESTION 3
Refer to the exhibit.

```
R1# sh run | begin line con
line con o
  exec-timeout 0 0
  privilege level 15
  logging synchronous
  stopbits 1
line aux o
  exec-timeout 0 0
  privilege level 15
  logging synchronous
  stopbits 1
line vty 0 4
  password 7 045802150C2E
  login
line vty 5 15
  password 7 045802150C2E
  login
!
end

R1# sh run | include aaa | enable
no aaa new-model
R1#
```

Which privilege level is assigned to VTY users?

A. 1
B. 7
C. 13
D. 15

Answer: D

NEW QUESTION 4
An engineer is configuring local web authentication on a WLAN. The engineer chooses the Authentication radio button under the Layer 3 Security options for Web Policy. Which device presents the web authentication for the WLAN?

A. ISE server
B. local WLC
C. RADIUS server
D. anchor WLC

Answer: B

NEW QUESTION 5
Which behavior can be expected when the HSRP versions is changed from 1 to 2?

A. Each HSRP group reinitializes because the virtual MAC address has changed.
B. No changes occur because version 1 and 2 use the same virtual MAC OUI.
C. Each HSRP group reinitializes because the multicast address has changed.
D. No changes occur because the standby router is upgraded before the active router.

Answer: C

NEW QUESTION 6
Refer to the exhibit.

```
Extended IP access list EGRESS
10 permit ip 10.0.0.0 0.0.0.255 any
!
<Output Omitted>
!
interface GigabitEthernet0/0
 ip address 209.165.200.225 255.255.255.0
 ip access-group EGRESS out
 duplex auto
 speed auto
 media-type rj45
!
```

An engineer must block all traffic from a router to its directly connected subnet 209.165.200.0/24. The engineer applies access control list EGRESS in the outbound direction on the GigabitEthernet0/0 interface of the router However, the router can still ping hosts on the 209.165.200.0/24 subnet. Which

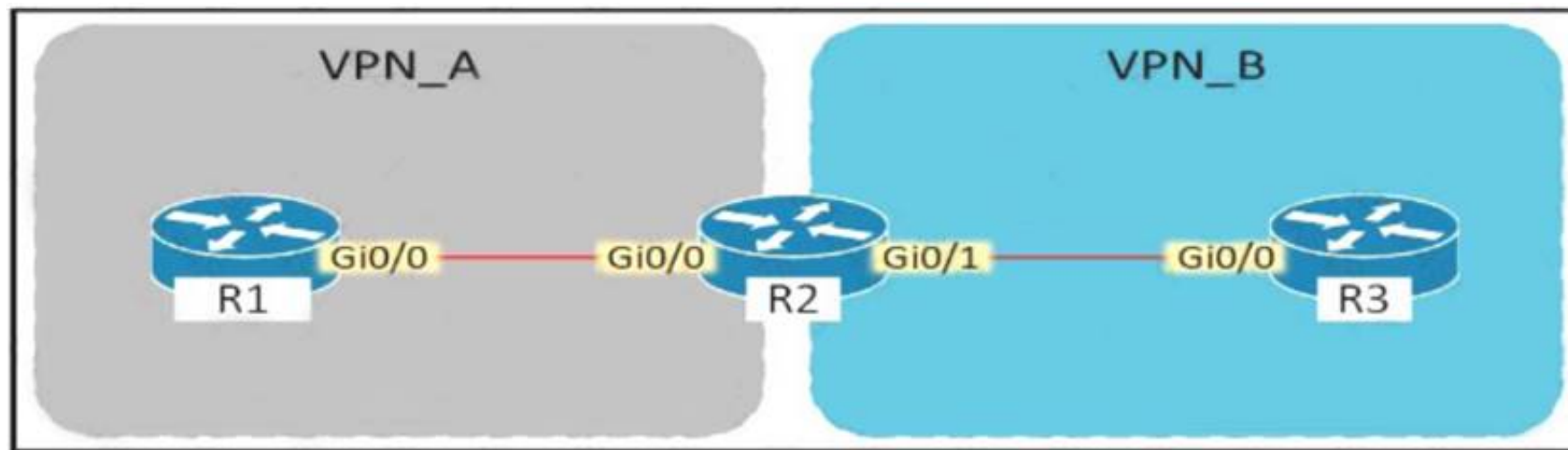A. Mastered
B. Not Mastered

Answer: A

Explanation:
 of this behavior is true?
A. Access control lists that are applied outbound to a router interface do not affect traffic that is sourced from the router.
B. Only standard access control lists can block traffic from a source IP address.
C. After an access control list is applied to an interface, that interface must be shut and no shut for the access control list to take effect.
D. The access control list must contain an explicit deny to block traffic from the router.
Answer: A

NEW QUESTION 7
Refer to the exhibit.

Assuming that R is a CE router, which VRF is assigned to Gi0/0 on R1?

A. VRF VPN_B
B. Default VRF
C. Management VRF
D. VRF VPN_A

Answer: D

NEW QUESTION 8
A client device fails to see the enterprise SSID, but other devices are connected to it. What is the cause of this issue?

A. The hidden SSID was not manually configured on the client.
B. The broadcast SSID was not manually configured on the client.
C. The client has incorrect credentials stored for the configured hidden SSID.
D. The client has incorrect credentials stored for the configured broadcast SSID.

Answer: A

NEW QUESTION 9
Which two steps are required for a complete Cisco DNA Center upgrade? (Choose two.)

A. golden image selection
B. automation backup
C. proxy configuration
D. application updates
E. system update

Answer: DE

NEW QUESTION 10
Drag and drop the description from the left onto the correct QoS components on the right.

causes TCP retransmissions when traffic is dropped	**Traffic Policing**
buffers excessive traffic	
introduces no delay and jitter	
introduces delay and jitter	**Traffic Shaping**
drops excessive traffic	
typically delays, rather than drops traffic	

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Traffic Policing: Drops excessive Traffic, causes TCP retransmissions, introduce no delay/jitter Shaping: buffers, excessive traffic, introduce delay and jitter, typically delays, rather than drops traffic

NEW QUESTION 10
When configuration WPA2 Enterprise on a WLAN, which additional security component configuration is required?

A. NTP server
B. PKI server
C. RADIUS server
D. TACACS server

Answer: C

NEW QUESTION 13
Which protocol does REST API rely on to secure the communication channel?

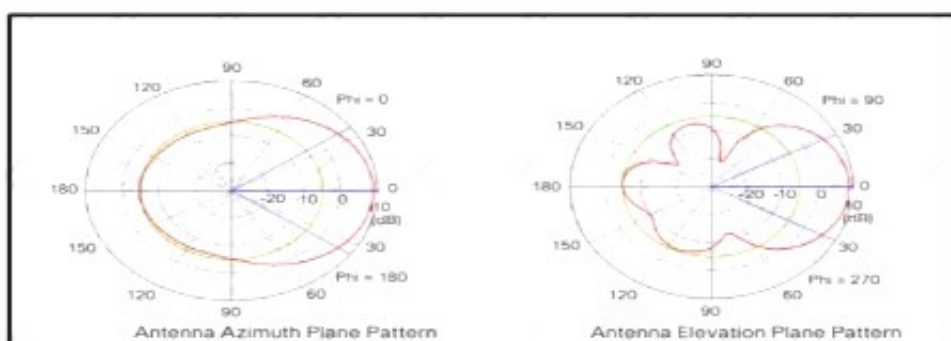A. TCP
B. HTTPS
C. SSH
D. HTTP

Answer: B

NEW QUESTION 14
Which PAgP mode combination prevents an Etherchannel from forming?

A. auto/auto
B. desirable/desirable
C. auto/desirable
D. desirable

Answer: A

NEW QUESTION 18
Refer to the exhibit.

Which type of antenna do the radiation patterns present?

A. Patch
B. Omnidirectional
C. Yagi

D. Dipole

Answer: A

NEW QUESTION 20
The login method is configured on the VTY lines of a router with these parameters.

> The first method for authentication is TACACS

> If TACACS is unavailable, login is allowed without any provided credentials

Which configuration accomplishes this task?

○ R1#sh run | include aaa
   aaa new-model
   aaa authentication login VTY group tacacs+ none
   aaa session-id common

   R1#sh run | section vty
   line vty 0 4
      password 7 02050D480809

   R1#sh run | include username
   R1#

◉ R1#sh run | include aaa
   aaa new-model
   aaa authentication login default group tacacs+
   aaa session-id common

   R1#sh run | section vty
   line vty 0 4
      transport input none
   R1#

○ R1#sh run | include aaa
   aaa new-model
   aaa authentication login default group tacacs+ none
   aaa session-id common

   R1#sh run | section vty
   line vty 0 4
      password 7 02050D480809

   ○ R1#sh run | include aaa
      aaa new-model
      aaa authentication login telnet group tacacs+ none
      aaa session-id common

      R1#sh run | section vty
      line vty 0 4

      R1#sh run | include username
      R1#

A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

NEW QUESTION 25
Which IP SLA operation requires the IP SLA responder to be configured on the remote end?

A. ICMP echo
B. UDP jitter
C. CMP jitter
D. TCP connect

Answer: D

NEW QUESTION 30
Which two mechanisms are available to secure NTP? (Choose two.)

A. IP prefix list-based
B. IPsec
C. TACACS-based authentication
D. IP access list-based
E. Encrypted authentication

Answer: DE

NEW QUESTION 32
Which statement explains why Type 1 hypervisor is considered more efficient than Type 2 hypervisor?

A. Type 1 hypervisor runs directly on the physical hardware of the host machine without relying on the underlying OS.
B. Type 1 hypervisor enables other operating systems to run on it.
C. Type 1 hypervisor relics on the existing OS of the host machine to access CPU, memory, storage, andnetwork resources.
D. Type 1 hypervisor is the only type of hypervisor that supports hardware acceleration techniques.

Answer: A

NEW QUESTION 36

Which statement about a fabric access point is true?

A. It is in local mode an must be connected directly to the fabric border node.
B. It is in FlexConnect mode and must be connected directly to the fabric border node.
C. It is in local mode an must connected directly to the fabric edge switch.
D. It is in FlexConnect mode and must be connected directly to the fabric edge switch.

Answer: C

NEW QUESTION 39
Which method creates an EEM applet policy that is registered with EEM and runs on demand or manually?

A. event manager applet ondemand event registeraction 1.0 syslog priority critical msg 'This is a message from ondemand'
B. event manager applet ondemand event manualaction 1.0 syslog priority critical msg 'This is a message from ondemand'
C. event manager applet ondemand event noneaction 1.0 syslog priority critical msg 'This is a message from ondemand'
D. event manager applet ondemandaction 1.0 syslog priority critical msg 'This is a message from ondemand'

Answer: C

NEW QUESTION 42
What the role of a fusion in an SD-Access solution?

A. provides connectivity to external networks
B. acts as a DNS server
C. performs route leaking between user-defined virtual networks and shared services
D. provides additional forwarding capacity to the fabric

Answer: C

NEW QUESTION 46
Which exhibit displays a valid JSON file?

```
{
    "hostname": "edge_router_1"
    "interfaces": {
        "GigabitEthernet1/1"
        "GigabitEthernet1/2"
        "GigabitEthernet1/3"
    }
}
```

```
{
    "hostname": "edge_router_1",
    "interfaces": {
        "GigabitEthernet1/1",
        "GigabitEthernet1/2",
        "GigabitEthernet1/3",
    },
}
```

```
{
    "hostname": "edge_router_1"
    "interfaces": [
        "GigabitEthernet1/1"
        "GigabitEthernet1/2"
        "GigabitEthernet1/3"
    ]
}
```

```
{
    "hostname": "edge_router_1",
    "interfaces": [
        "GigabitEthernet1/1",
        "GigabitEthernet1/2",
        "GigabitEthernet1/3"
    ]
}
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

NEW QUESTION 50
Which statement describes the IP and MAC allocation requirements for virtual machines on types 1 hypervisors?

A. Each virtual machine requires a unique IP and MAC addresses to be able to reach to other nodes.
B. Each virtual machine requires a unique IP address but shares the MAC address with the physical server
C. Each virtual machines requires a unique IP address but shares the MAC address with the address of the physical server.
D. Each virtual machine requires a unique MAC address but shares the IP address with the physical server.
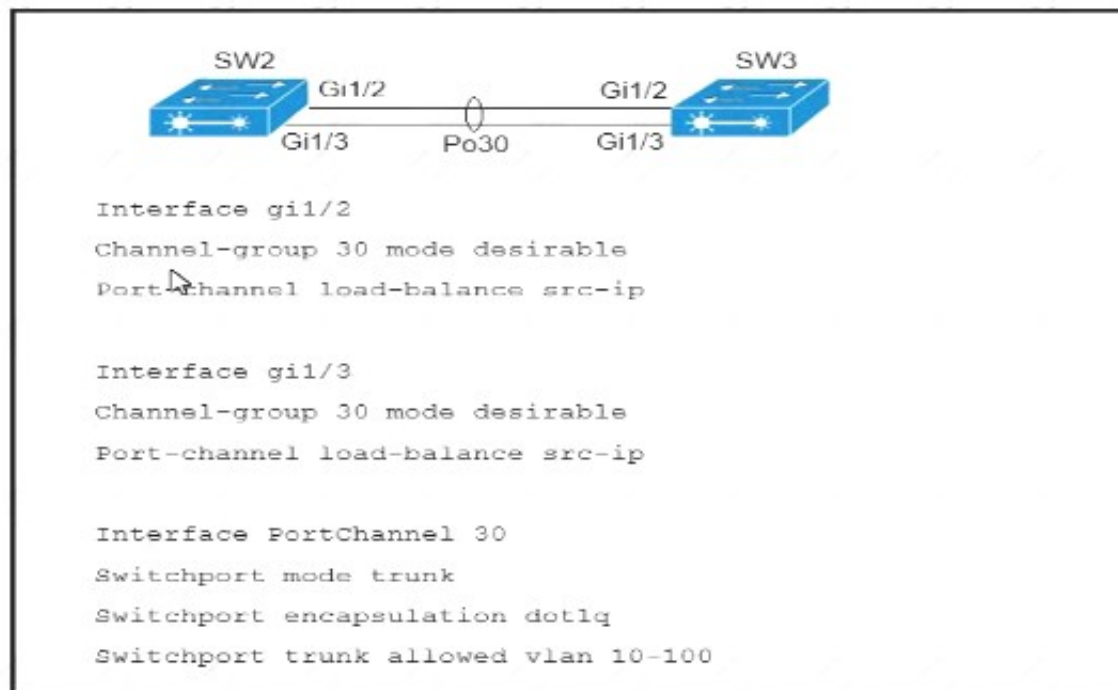
Answer: A

NEW QUESTION 55
Which TCP setting is tuned to minimize the risk of fragmentation on a GRE/IP tunnel?

A. MTU
B. Window size
C. MRU
D. MSS

Answer: D

NEW QUESTION 59
Refer to the exhibit.


```
Interface gi1/2
Channel-group 30 mode desirable
Port-channel load-balance src-ip

Interface gi1/3
Channel-group 30 mode desirable
Port-channel load-balance src-ip

Interface PortChannel 30
Switchport mode trunk
Switchport encapsulation dot1q
Switchport trunk allowed vlan 10-100
```

A port channel is configured between SW2 and SW3. SW2 is not running a Cisco operating system. When all physical connections are mode, the port channel does not establish. Based on the configuration excerpt of SW3, what is the cause of the problem?

A. The port channel on SW2 is using an incompatible protocol.
B. The port-channel trunk is not allowing the native VLAN.
C. The port-channel should be set to auto.
D. The port-channel interface lead balance should be set to src-mac

Answer: A

NEW QUESTION 62
Which standard access control entry permits from odd-numbered hosts in the 10.0.0.0/24 subnet?

A. Permit 10.0.0.0.0.0.1
B. Permit 10.0.0.1.0.0.0.0
C. Permit 10.0.0.1.0.0.0.254
D. Permit 10.0.0.0.255.255.255.254

Answer: C

NEW QUESTION 65
Which statements are used for error handling in Python?

A. try/catch
B. try/except
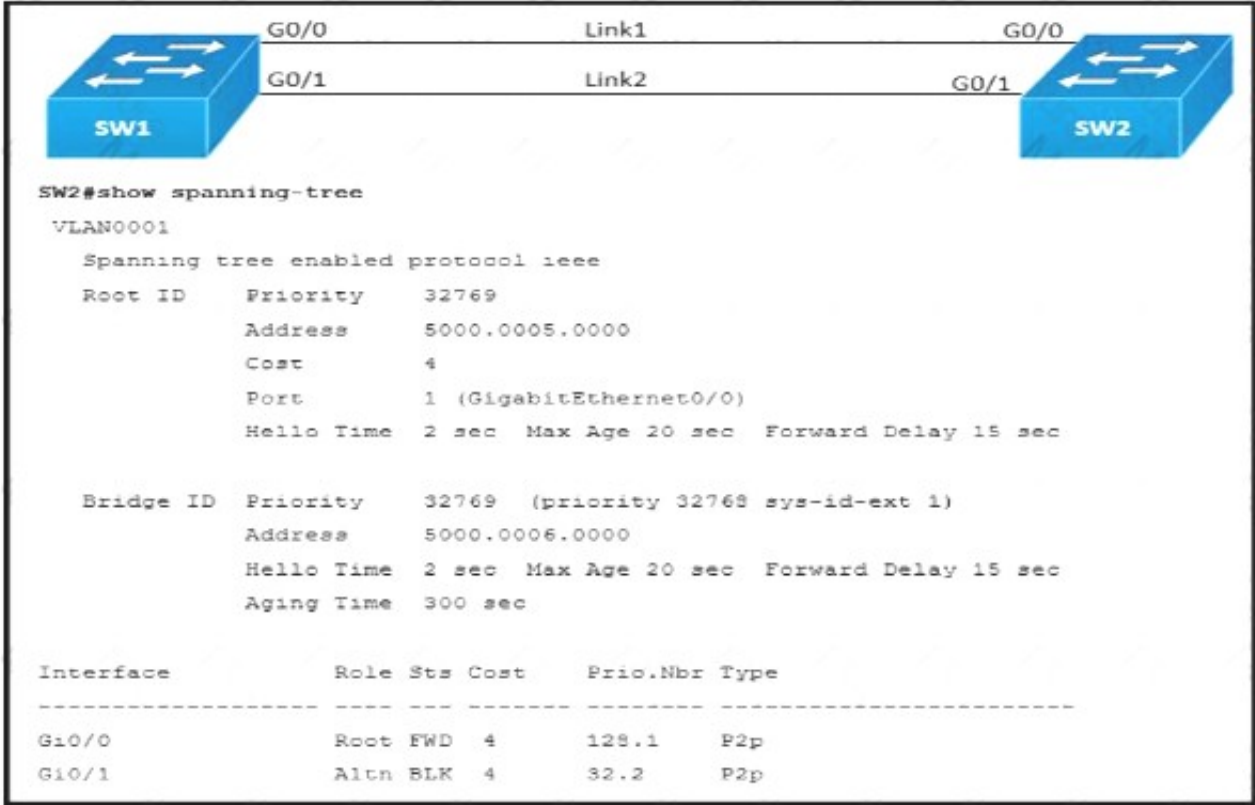C. block/rescue
D. catch/release

Answer: B

NEW QUESTION 69
Which statement about an RSPAN session configuration is true?

A. A fitter mutt be configured for RSPAN Regions
B. Only one session can be configured at a time
C. A special VLAN type must be used as the RSPAN destination.
D. Only incoming traffic can be monitored

Answer: C

NEW QUESTION 70
Refer to the exhibit.

```
SW2#show spanning-tree
  VLAN0001
    Spanning tree enabled protocol ieee
    Root ID   Priority   32769
              Address    5000.0005.0000
              Cost       4
              Port       1 (GigabitEthernet0/0)
              Hello Time 2 sec  Max Age 20 sec  Forward Delay 15 sec

    Bridge ID Priority   32769  (priority 32768 sys-id-ext 1)
              Address    5000.0006.0000
              Hello Time 2 sec  Max Age 20 sec  Forward Delay 15 sec
              Aging Time 300 sec


Interface         Role Sts Cost     Prio.Nbr Type
----------------- ---- --- -------  -------- ------------------------
Gi0/0             Root FWD  4       128.1    P2p
Gi0/1             Altn BLK  4       32.2     P2p
```

Link1 is a copper connection and Link2 is a fiber connection. The fiber port must be the primary port for all forwarding. The output of the show spanning-tree command on SW2 shows that the fiber port is blocked by spanning tree. An engineer enters the spanning- tree port-priority 32 command on G0/1 on SW2, but the port remains blocked. Which command should be entered on the ports that are connected to Link2 to resolve the issue?

A. Enter spanning-tree port-priority 32 on SW1.
B. Enter spanning-tree port-priority 224 on SW1.
C. Enter spanning-tree port-priority 4 on SW2.
D. Enter spanning-tree port-priority 64 on SW2.

Answer: A

NEW QUESTION 73
Based on this interface configuration, what is the expected state of OSPF adjacency?

```
R1:
interface GigabitEthernet0/1
  ip address 192.0.2.1 255.255.255.252
  ip ospf 1 area 0
  ip ospf hello-interval 2
  ip ospf cost 1
end

R2:
interface GigabitEthernet0/1
  ip address 192.0.2.2 255.255.255.252
  ip ospf 1 area 0
  ip ospf cost 500
end
```

A. Full on both routers
B. not established
C. 2WAY/DROTHER on both routers
D. FULL/BDR on R1 and FULL/BDR on R2

Answer: B

NEW QUESTION 77
Which statement about route targets is true when using VRF-Lite?

A. When BGP is configured, route targets are transmitted as BGP standard communities.
B. Route targets control the import and export of routes into a customer routing table.
C. Route targets allow customers to be assigned overlapping addresses.
D. Route targets uniquely identify the customer routing table.

Answer: B

NEW QUESTION 82
Which action is the vSmart controller responsible for in an SD-WAN deployment?

A. onboard vEdge nodes into the SD-WAN fabric
B. distribute security information for tunnel establishment between vEdge routers

C. manage, maintain, and gather configuration and status for nodes within the SD-WAN fabric
D. gather telemetry data from vEdge routers

Answer: B

NEW QUESTION 86
Which feature must be configured to allow packet capture over Layer 3 infrastructure'?

A. VSPAN
B. IPSPAN
C. RSPAN
D. ERSPAN

Answer: D

NEW QUESTION 88
What is the difference between the enable password and the enable secret password when service password encryption is enable on an IOS device?

A. The enable password is encrypted with a stronger encryption method.
B. There is no difference and both passwords are encrypted identically.
C. The enable password cannot be decrypted.
D. The enable secret password is protected via stronger cryptography mechanisms.

Answer: D

NEW QUESTION 93
Which QoS component alters a packet to change the way that traffic is treated in the network?

A. Marking
B. Classification
C. Shaping
D. Policing

Answer: A

NEW QUESTION 95
How does Cisco Trustsec enable more flexible access controls for dynamic networking environments and data centers?

A. uses flexible NetFlow
B. assigns a VLAN to the endpoint
C. classifies traffic based an the contextual identity of the endpoint rather than its IP address
D. classifies traffic based on advanced application recognition

Answer: C

NEW QUESTION 99
Which two methods are used by an AP that is typing to discover a wireless LAN controller? (Choose two.)

A. Cisco Discovery Protocol neighbour
B. broadcasting on the local subnet
C. DNS lookup cisco-DNA-PRIMARY.localdomain
D. DHCP Option 43
E. querying other APs

Answer: CD

NEW QUESTION 101
Which method displays text directly into the active console with a synchronous EEM applet policy?

A. event manager applet boom event syslog pattern 'UP'action 1.0 gets 'logging directly to console'
B. event manager applet boom event syslog pattern 'UP'action 1.0 syslog priority direct msg 'log directly to console'
C. event manager applet boom event syslog pattern 'UP'action 1.0 puts 'logging directly to console'
D. event manager applet boom event syslog pattern 'UP'action 1.0 string 'logging directly to console'

Answer: B

NEW QUESTION 103
Which NGFW mode block flows crossing the firewall?

A. Passive
B. Tap
C. Inline tap
D. Inline

Answer: C

NEW QUESTION 106
Which feature is supported by EIGRP but is not supported by OSPF?

A. route summarization
B. equal-cost load balancing
C. unequal-cost load balancing
D. route filtering

Answer: C

NEW QUESTION 110
Which requirement for an Ansible-managed node is true?

A. It must be a Linux server or a Cisco device.
B. It must have an SSH server running.
C. It must support ad hoc commands.
D. It must have an Ansible Tower installed.

Answer: A

NEW QUESTION 112
Refer to the exhibit.

```
R1#show ip bgp
BGP table version is 32, local router ID is 192.168.101.5
Status codes: S suppressed, d damped, h history, * valid, > best, i - internal,
              r RIB-failure, S Stale, rn multipath, b backup-path, f RT-Filter,
              x best-external, a additional-path, c RIB-compressed,
Origin codes: i - IGP, e - EGP, ? - incomplete
RPKI validation codes: V valid, I invalid, N Not found
      Network          Next Hop        Metric  LocPrf  Weight  Path
*     192.168.102.0    192.168.101.18    80                0   64517 i
*                      192.168.101.14    80      80        0   64516 i
*                      192.168.101.10                      0   64515 64515 i
*>                     192.168.101.2             32768     64513 i
*                      192.168.101.6             80        0   64514 64514 i
```

Which IP address becomes the active next hop for 192.168.102 0/24 when 192.168.101.2 fails?

A. A.-192.168.101.18B.192.168.101.6C.192.168.101.10D.192.168.101.14

Answer: A

NEW QUESTION 115
Which feature does Cisco TrustSec use to provide scalable, secure communication throughout a network?

A. security group tag ACL assigned to each port on a switch
B. security group tag number assigned to each port on a network
C. security group tag number assigned to each user on a switch
D. security group tag ACL assigned to each router on a network

Answer: B

NEW QUESTION 118
What does this EEM applet event accomplish?
"event snmp oid 1.3.6.1.3.7.1.5.1.2.4.2.9 get-type next entry-op g entry-val 75 poll-interval 5"

A. It issues email when the value is greater than 75% for five polling cycles.
B. It reads an SNMP variable, and when the value exceeds 75% for live polling cycles.
C. It presents a SNMP variable that can be interrogated.
D. Upon the value reaching 75%, a SNMP event is generated and sent to the trap server.

Answer: B

NEW QUESTION 122
What are two common sources of interference for WI-FI networks? (Choose two.)

A. radar
B. LED lights
C. rogue AP
D. conventional oven
E. fire alarm

Answer: AC

NEW QUESTION 124
A client with IP address 209 16b 201 2b must access a web server on port 80 at 209 I6b.200.22b. To allow this traffic. an engineer must add a statement to an access control list that is applied in the inbound direction on the port connecting to the web server Which statement allows this traffic?

A. permit tcp host 209 165 200 225 eq 80 host 209.165.201.25
B. permit tcp host 209 165.201 25 host 209.165.200.225 eq 80
C. permit tcp host 209.165.200 225 lt 80 host 209.165.201.25
D. permit tcp host 209.165.200.225 host 209.165.201.25 eq 80

Answer: B

NEW QUESTION 127
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