

Current Score: 0/825

Item 1 of 102 (Choice, Q1) Hide Answer

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?

A. 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#

B. 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 02050D400809

R1#sh run | include username  
 R1#

C. 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#

Select the best choice. 100%

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ENG 19:29  
2020/4/26

Document1 [Compatibility Mode] - Word Khan Ahmed (RTF) NHCT

crystal.ds.spoto.cloud:33899 - Remote Desktop Connection

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Item 2 of 102 (Choice, Q2)

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. FULL/BDR on R1 and FULL/BDR on R2

C. not established

D. 2WAY/DROTHER on both routers

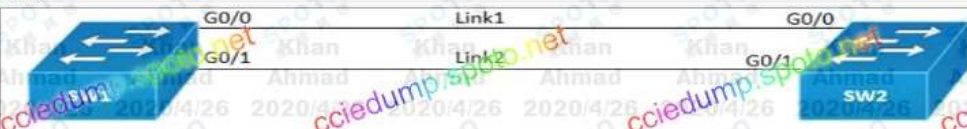
Answer: C

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```

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 C Pri Nbr Type
-----
Gi0/0 Root FWD 4 128.1 P2p
Gi0/1 Altn BLK 4 32.2 P2p
    
```

Refer to the exhibit. Link1 is a copper connection and Link2 is a fiber connection. The fiber output of the show spanning-tree command on SW2 shows that the fiber ports 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 64` on SW2
- B. Enter `spanning-tree port-priority 32` on SW1
- C. Enter `spanning-tree port-priority 4` on SW2
- D. Enter `spanning-tree port-priority 224` on SW1

Select the best choice. 100%

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Item 4 of 102 (Choice, Q4) Hide Answer

If a VRRP master router fails, which router is selected as the new master router?

- A. router with the lowest priority
- B. router with the highest loopback address
- C. router with the lowest loopback address
- D. router with the highest priority

Answer: D

Select the best choice. 100%

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Hide Answer

Item 5 of 102 (Choice, Q5)

```

PYTHON CODE:
import requests
import json

url="http://YOUR_IP/switchuser?SESSID=
switchuser=PASSWORD"

myheaders={'content-type':'application/json'}
payload={
    "ins_api": {
        "version": "1.0",
        "type": "cli_show",
        "chunk": "0",
        "sid": "1",
        "input": "show version",
        "output_format": "json"
    }
}

response = requests.post(url,data=json.dumps(payload), headers=myheaders,auth=(switchuser,switchpassword),json=True)
print(response.json()[0]["outputs"][0]["body"]["kickstart_ver_str"])

HTTP JSON Response:
{
  "ins_api": {
    "type": "cli_show",
    "version": "1.0",
    "sid": "eoc",
    "outputs": [
      {
        "input": "show version",
        "msg": "Success",
        "code": "200",
        "body": {
          "bios_ver_str": "07.61",
          "kickstart_ver_str": "7.0(3)I7(4)",
          "bios_cmpl_time": "04/08/2017",
          "kick_file_name": "bootflash://nxos.7.0.3.I7.4.bin",
          "kick_cmpl_time": "6/14/1970 2:00:00",
          "kick_tmstamp": "06/14/1970 09:49:00",
          "chassis_id": "Nexus9000-03180YC-EX chassis",
          "cpu_name": "Intel(R) Xeon(R) CPU @ 1.80GHz",
          "memory": "24GB 188",
          "mem_type": "DDR3-1600",
          "tr_ver": "14703",
          "tr_time": "Sun Mar 10 15:41:46 2019",
          "tr_reason": "Reset Requested by CLI command reload",
          "tr_sys_ver": "7.0(3)I7(4)",
          "tr_service": ""
        }
      }
    ]
  }
}
    
```

Refer to the exhibit. Which HTTP JSON response does the Python code output give?

- A. 7.61
- B. NameError: name 'json' is not defined
- C. 7.0(3)I7(4)
- D. KeyError: 'kickstart\_ver\_str'

pictures

Answer: C

Select the best choice.

100%

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Item 6 of 102 (Choice, Q6)

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

Answer: AB

Select all that apply. 100%

Mark Current Score: 0/825

Item 7 of 102 (Choice, Q7) Hide Answer

Which feature is supported by EIGRP but is not supported by OSPF?

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

Answer: B

Select the best choice. 100%

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Mark Current Score: 0/825

Item 8 of 102 (Choice, Q8) Hide Answer

Which two GRE features are configured to prevent fragmentation? (Choose two)

- A. IP MTU
- B. TCP window size
- C. TCP MSS
- D. MTU ignore
- E. DF bit clear

Answer: AC

Select all that apply. 100%

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Item 9 of 102 (Choice, Q9) Hide Answer

What do Cisco DNA southbound APIs provide?

- A. interface between the controller and the network devices
- B. interface between the controller and the consumer
- C. RESTful API interface for orchestrator communication
- D. NETCONF API interface for orchestrator communication

Answer: A

Select the best choice. 100%

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Item 10 of 102 (Choice, Q10) Hide Answer

```
access-list 1 permit 10.1.1.0 0.0.0.31
ip nat pool CISCO 209.165.201.1 209.165.201.30 network 255.255.255.224
ip nat inside source list 1 pool CISCO
```

Refer to the exhibit. What are two effects of this configuration? (Choose two.)

- A. The 209.165.201.0/27 subnet is assigned as the outside local address range.
- B. The 10.1.1.0/27 subnet is assigned as the inside local addresses.
- C. Inside source addresses are translated to the 209.165.201.0/27 subnet.
- D. It establishes a one-to-one NAT translation.
- E. The 10.1.1.0/27 subnet is assigned as the inside global address range.

Answer: BC

Select all that apply. 100%

Item 11 of 102 (Choice, Q11) Hide Answer

What is the difference between a RIB and a FIB?

- A. The RIB maintains a mirror image of the FIB.
- B. The FIB is where all IP routing information is stored.
- C. The FIB is populated based on RIB content.
- D. The RIB is used to make IP source prefix-based switching decisions.

Answer: C

Select the best choice. 100%

Mark Current Score: 0/825

Item 12 of 102 (Choice, Q12) Hide Answer

An engineer configures a WLAN with fast transition enabled. Some legacy clients fail to connect to this WLAN. Which feature allows the legacy clients to connect while still allowing other clients to use fast transition based on their OUIs?

- A. 802.11k
- B. 802.11v
- C. over the DS
- D. adaptive R

Answer: D

Select the best choice. 100%

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Mark Current Score: 0/825

Item 13 of 102 (Choice, Q13) Hide Answer

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

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

Answer: AD

Watermark grid containing the text "SPOTO" and "Khan Ahmad" repeated across the page.

Select all that apply. 100%

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Item 14 of 102 (Choice, Q14) Hide Answer

What does this EEM applet event accomplish?  
"event snmp oid 1.3.6.1.3.7.1.2.3.6.2.8.9 get-type next entry-op gt entry-val 75 poll-interval 5"

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

Answer: C

Select the best choice. 100%

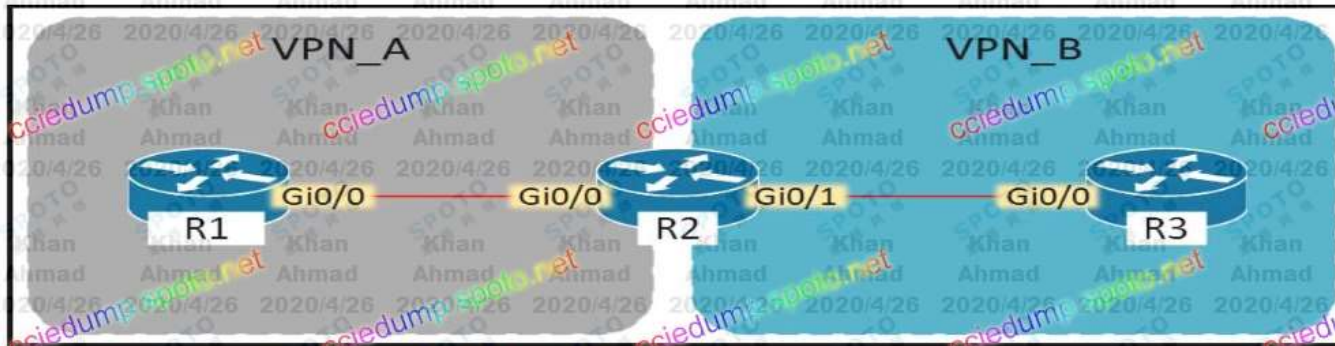
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Hide Answer

Item 15 of 102 (Choice, Q15)



Refer to the exhibit. Assuming that R1 is a CE router, which VRF is assigned to Gi0/0 on R1?

- A. default VRF
- B. VRF VPN\_B
- C. VRF VPN\_A
- D. management VRF

Answer: A

p i c t u r e

Select the best choice.

100%

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Item 16 of 102 (Choice, Q16) Hide Answer

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

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

Answer: D

Select the best choice. 100%

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Mark Current Score: 0/825

Item 17 of 102 (Choice, Q17) Hide Answer

Which DNS lookup does an access point perform when attempting CAPWAP discovery?

- A. CAPWAP-CONTROLLER.local
- B. CISCO-DNA-CONTROLLER.local
- C. CISCO-CAPWAP-CONTROLLER.local
- D. CISCO-CONTROLLER.local

Answer: C

Select the best choice. 100%

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Item 18 of 102 (Choice, Q18) Hide Answer

Which LISP device is responsible for publishing EID-to-RLOC mappings for a site?

- A. ITR
- B. ETR
- C. MR
- D. MS

Answer: B

Select the best choice. 100%

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Item 19 of 102 (Choice, Q19) Hide Answer

- Which statement describes the IP and MAC allocation requirements for virtual machines on Type 1 hypervisors?
- A. Each virtual machine requires a unique IP address but shares the MAC address with the physical server.
  - B. Virtual machines do not require a unique IP or unique MAC. They share the IP and MAC address of the physical server.
  - C. Each virtual machine requires a unique MAC address but shares the IP address with the physical server.
  - D. Each virtual machine requires a unique IP and MAC addresses to be able to reach to other nodes.

Answer: D

Select the best choice. 100%

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Item 20 of 102 (Choice, Q20) Hide Answer

Which statement about Cisco Express Forwarding is true?

- A. It uses a fast cache that is maintained in a router data plane.
- B. It makes forwarding decisions by a process that is scheduled through the IOS scheduler.
- C. It maintains two tables in the data plane. The FIB and adjacency table.
- D. The CPU of a router becomes directly involved with packet-switching decisions.

Answer: C

Select the best choice. 100%

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Mark Current Score: 0/825

Item 21 of 102 (Choice, Q21) Hide Answer

What is the structure of a JSON web token?

- A. header and payload
- B. payload and signature
- C. three parts separated by dots: header, payload, and signature
- D. three parts separated by dots: version, header, and signature

Answer: C

Select the best choice. 100%

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Item 22 of 102 (Choice, Q22) Hide Answer

What is the role of a fusion router in an SD-Access solution?

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

Answer: A

Watermark grid containing the text "SPOTO" and "Khan" repeated across the page.

Select the best choice. 100%

Item 23 of 102 (Choice, Q23) Hide Answer

Which access control list allows only TCP traffic with a destination port range of 22-443, excluding port 80?

- A. deny tcp any any ne 80  
permit tcp any any range 22 443
- B. deny tcp any any eq 80  
permit tcp any any gt 21 lt 444
- C. permit tcp any any range 22 443  
deny tcp any any eq 80
- D. permit tcp any any ne 80

Answer: B

Select the best choice. 100%

Mark Current Score: 0/825

Item 24 of 102 (Choice, Q24) Hide Answer

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 Ansible Tower installed.
- C. It must support ad hoc commands.
- D. It must have an SSH server running.

Answer: D



Select the best choice. 100%

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Item 25 of 102 (Choice, Q25) Hide Answer

```
R1#debug ip ospf hello
R1#debug condition interface Fa0/1
Condition met
```

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

- A. The output displays all OSPF messages which router R1 has sent or received on interface Fa0/1.
- B. The output displays all OSPF messages which router R1 has sent or received on all interfaces.
- C. The output displays OSPF hello messages which router R1 has sent or received on interface Fa0/1.
- D. The output displays OSPF hello and LSACK messages which router R1 has sent or received.

Answer: C

Select the best choice.

100%

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Mark Current Score: 0/825

Item 26 of 102 (Choice, Q26) Hide Answer

Which two protocols are used with YANG data models? (Choose two.)

- A. NETCONF
- B. HTTPS
- C. SSH
- D. RESTCONF
- E. TLS

Answer: AD

Select all that apply. 100%

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Item 27 of 102 (Choice, Q27) Hide Answer

Which JSON syntax is valid?

- A. {"switch": "name": "dist1", "interfaces": ["gig1", "gig2", "gig3"]}
- B. {/"switch"/: {/"name"/: "dist1", /"interfaces"/: ["gig1", "gig2", "gig3"]}}
- C. {switch:'(name:'dist1', interfaces: ['gig1', 'gig2', 'gig3'])}
- D. {"switch": {"name": "dist1", "interfaces": ["gig1", "gig2", "gig3"]}}

Answer: D

Select the best choice. 100%

Item 28 of 102 (Choice, Q28) Hide Answer



Refer to the exhibit. VLANs 50 and 60 exist on the trunk links between all switches. All access ports on SW3 are configured for VLAN 50 and SW1 is the VTP server. Which command ensures that SW3 receives frames only from VLAN 50?

- A. SW1(config)#vtp mode transparent
- B. SW1(config)#vtp pruning
- C. SW2(config)#vtp pruning
- D. SW3(config)#vtp mode transparent

Answer: B

p i c t u r e

Select the best choice.

100%

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Item 29 of 102 (Choice, Q29) Hide Answer

What is the correct EGBP path attribute list, ordered from most preferred to least preferred, that the BGP best-path algorithm uses?

- A. local preference, weight, MED, AS path
- B. local preference, weight, AS path, MED
- C. weight, AS path, local preference, MED
- D. weight, local preference, AS path, MED

Answer: D

Select the best choice. 100%

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Item 30 of 102 (Choice, Q30) Hide Answer

A local router shows an EBGP neighbor in the Active state. Which statement is true about the local router?

- A. The local router is attempting to open a TCP session with the neighboring router.
- B. The local router has BGP passive mode configured for the neighboring router.
- C. The local router has active prefixes in the forwarding table from the neighboring router.
- D. The local router is receiving prefixes from the neighboring router and adding them in RIB-IN.

Answer: A

Select the best choice. 100%

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Mark Current Score: 0/825

Item 31 of 102 (Choice, Q31) Hide Answer

What are two common sources of interference for Wi-Fi networks? (Choose two.)

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

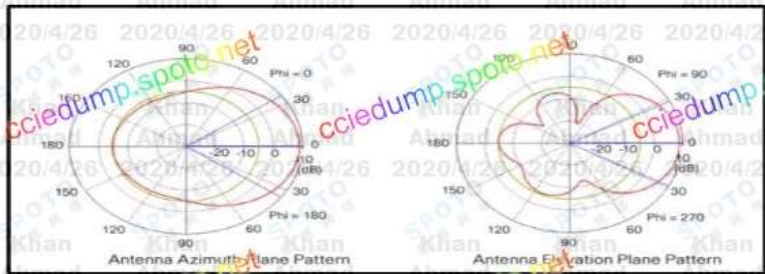
Answer: AC

Watermark grid containing the text "SPOTO" and "Khan Ahmad" repeated across the page.

Select all that apply. 100%

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Item 32 of 102 (Choice, Q32) Hide Answer



Refer to the exhibit. Which type of antenna do the radiation patterns present?

- A. Yagi
- B. dipole
- C. omnidirectional
- D. patch

Answer: A

p i c t u r e

Select the best choice.

100%

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Mark Current Score: 0/825

Item 33 of 102 (Choice, Q33) Hide Answer

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

- A. permit 10.0.0.1 0.0.0.254
- B. permit 10.0.0.0 0.0.0.1
- C. permit 10.0.0.1 0.0.0.0
- D. permit 10.0.0.0 255.255.255.254

Answer: A

Select the best choice. 100%

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Mark

Current Score: 0/825

Hide Answer

Item 34 of 102 (Choice, Q34)

A client with IP address 209.165.201.25 must access a web server on port 80 at 209.165.200.225. 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 lt 80 host 209.165.201.25
- B: permit tcp host 209.165.200.225 host 209.165.201.25 eq 80
- C: permit tcp host 209.165.201.25 host 209.165.200.225 eq 80
- D: permit tcp host 209.165.200.225 eq 80 host 209.165.201.25

Answer: C

Select the best choice.

100%

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Mark Current Score: 0/825

Item 35 of 102 (Choice, Q35) Hide Answer

Which First Hop Redundancy Protocol maximizes uplink utilization and minimizes the amount of configuration that is necessary?

- A. HSRP v2
- B. HSRP v1
- C. VRRP
- D. GLBP

Answer: D

Select the best choice. 100%

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Mark Current Score: 0/825

Item 36 of 102 (Choice, Q36) Hide Answer

On which protocol or technology is the fabric data plane based in Cisco SD-Access fabric?

- A. Cisco TrustSec
- B. IS-IS
- C. VXLAN
- D. LISP

Answer: C

Select the best choice. 100%

Item 37 of 102 (Choice, Q37)

Hide Answer

```

Extended IP access list EGRESS
10 permit ip 10.0.0.0 0.0.255.0 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
!
    
```

Refer to the exhibit. An engineer must block all traffic from a router to its directly connected subnet 209.165.200.0/24. The engineer applies a 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 explanation of this behavior is true?

- A. Only standard access control lists can block traffic from a source IP address.
- B. 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.
- C. Access control lists that are applied outbound to a router interface do not affect traffic that is sourced from the router.
- D. The access control list must contain an explicit deny to block traffic from the router.

Answer: C

ch o r d o

Select the best choice.

100%

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Mark Current Score: 0/825

Item 38 of 102 (Choice, Q38) Hide Answer

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

- A. policing
- B. classification
- C. marking
- D. shaping

Answer: C

Select the best choice. 100%

Mark Current Score: 0/825

Item 39 of 102 (Choice, Q39) Hide Answer

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

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

Answer: DE

Watermark grid containing the text "SPOTO" and "Khan Ahmad" repeated across the page.

Select all that apply. 100%

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Mark Current Score: 0/825

Item 40 of 102 (Choice, Q40) Hide Answer

In which part of the HTTP message is the content type specified?

- A. URL
- B. body
- C. header
- D. HTTP method

Answer: C

Select the best choice. 100%

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Mark Current Score: 0/825

Item 41 of 102 (Choice, Q41) Hide Answer

What are two benefits of virtualizing the server with the use of VMs in a data center environment? (Choose two)

- A. speedy deployment
- B. smaller Layer 2 domain
- C. reduced rack space, power, and cooling requirements
- D. increased security
- E. reduced IP and MAC address requirements

Answer: AC

Select all that apply. 100%

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Mark Current Score: 0/825

Item 42 of 102 (Choice, Q42) Hide Answer

To increase total throughput and redundancy on the links between the wireless controller and switch, the customer enabled LAG on the wireless controller. Which EtherChannel mode must be configured on the switch to allow the WLC to connect?

- A. On
- B. Auto
- C. Passive
- D. Active

Answer: A

Select the best choice. 100%

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Mark Current Score: 0/825

Item 43 of 102 (Choice, Q43) Hide Answer

Which PAgP mode combination prevents an EtherChannel from forming?

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

Answer: A

Select the best choice. 100%

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Mark Current Score: 0/825

Item 44 of 102 (Choice, Q44) Hide Answer

Which statement about TLS is true when using RESTCONF to write configurations on network devices?

- A. It is not supported on Cisco devices.
- B. It requires certificates for authentication.
- C. It is provided using NGINX acting as a proxy web server.
- D. It is used for HTTP and HTTPS requests.

Answer: B

Select the best choice. 100%

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Mark Current Score: 0/825

Item 45 of 102 (Choice, Q45) Hide Answer

Which description of an SD-Access wireless network infrastructure deployment is true?

- A. The WLC is part of the fabric underlay.
- B. The access point is part of the fabric underlay.
- C. The wireless client is part of the fabric overlay.
- D. The access point is part of the fabric overlay.

Answer: D

Select the best choice. 100%

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Item 46 of 102 (Choice, Q46) Hide Answer

Which statement about VXLAN is true?

- A. VXLAN uses the Spanning Tree Protocol for loop prevention.
- B. VXLAN uses TCP as the transport protocol over the physical data center network.
- C. VXLAN extends the Layer 2 Segment ID field to 24-bits, which allows up to 4094 unique Layer 2 segments over the same network.
- D. VXLAN encapsulates a Layer 2 frame in an IP-UDP header, which allows Layer 2 adjacency across router boundaries.

Answer: D

Select the best choice. 100%

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Mark Current Score: 0/825

Item 47 of 102 (Choice, Q47) Hide Answer

Which LISP infrastructure device provides connectivity between non-LISP sites and LISP sites by receiving non-LISP traffic with a LISP site destination?

- A. PETR
- B. map resolver
- C. map server
- D. PITR

Answer: D

Select the best choice. 100%

Mark Current Score: 0/825

Item 48 of 102 (Choice, Q48) Hide Answer

Which statement about Cisco EAP-FAST is true?

- A. It requires a client certificate.
- B. It operates in transparent mode.
- C. It is an IETF standard.
- D. It does not require a RADIUS server certificate.

Answer: C

Select the best choice. 100%

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Mark Current Score: 0/825

Item 49 of 102 (Choice, Q49) Hide Answer

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

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

Answer: AE

Select all that apply. 100%

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Item 50 of 102 (Choice, Q50)



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

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

p i c u t e

Answer: B

Select the best choice. 100%

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Mark Current Score: 0/825

Item 51 of 102 (Choice, Q51) Hide Answer

Which reason could cause an OSPF neighborship to be in the EXSTART/EXCHANGE state?

- A. mismatched MTU size
- B. mismatched OSPF network type
- C. mismatched areas
- D. mismatched OSPF link costs

Answer: A

Select the best choice. 100%

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