Cisco

Exam Questions 350-401

Implementing and Operating Cisco Enterprise Network Core Technologies

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
What is the structure of a JSON web token?

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

Answer: A

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
When using TLS for syslog, which configuration allows for secure and reliable transportation of messages to its default port?

A. logging host 10.2.3.4 vrf mgmt transport tcp port 6514
B. logging host 10.2.3.4 vrf mgmt transport udp port 6514
C. logging host 10.2.3.4 vrf mgmt transport tcp port 514
D. logging host 10.2.3.4 vrf mgmt transport udp port 514

Answer: A

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

	Traffic Policing
causes TCP retransmissions when traffic is dropped	
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,

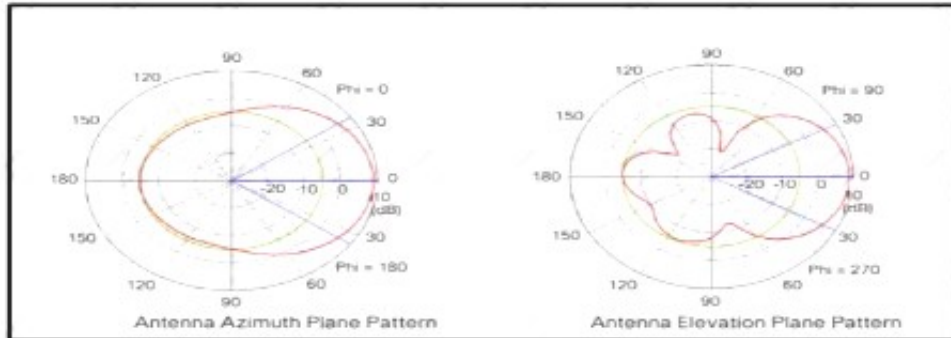typically delays, rather than drops traffic

NEW QUESTION 10
Which PAgP mode combination prevents an Etherchannel from forming?

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

Answer: A

NEW QUESTION 10
Refer to the exhibit.

Antenna Azimuth Plane Pattern   Antenna Elevation Plane Pattern

Which type of antenna do the radiation patterns present?

A. Patch
B. Omnidirectional
C. Yagi
D. Dipole

Answer: A

NEW QUESTION 14
Which statement about Cisco Express Forwarding is true?

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

Answer: B

NEW QUESTION 17
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 22
Which statement about multicast RPs is true?

A. RPs are required only when using protocol independent multicast dense mode.
B. RPs are required for protocol independent multicast sparse mode and dense mode.
C. By default, the RP is needed periodically to maintain sessions with sources and receivers
D. By default, the RP is needed only to start new sessions with sources and receivers.

Answer: D

NEW QUESTION 24
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 25

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 28
Which OSPF networks types are compatible and allow communication through the two peering devices?

A. broadcast to nonbroadcast
B. point-to-multipoint to nonbroadcast
C. broadcast to point-to-point
D. point-to-multipoint to broadcast

Answer: B

NEW QUESTION 32
Which method does the enable secret password option use to encrypt device passwords?

A. AES
B. CHAP
C. PAP
D. MD5

Answer: D

NEW QUESTION 33
Which access controls list allows only TCP traffic with a destination port range of 22-433, excluding port 80?

A. Deny tcp any any eq 80 Permit tcp any any gt 21 it 444
B. Permit tcp any any ne 80
C. Permit tcp any any range 22 443 Deny tcp any any eq 80
D. Deny tcp any any ne 80Permit tcp any any range 22 443

Answer: A

NEW QUESTION 35
A response code of 404 is received while using the REST API on Cisco UNA Center to POST to this URI.
/dna/intent/api/v1 /template-programmer/project
What does the code mean?

A. The client made a request a resource that does not exist.
B. The server has not implemented the functionality that is needed to fulfill the request.
C. The request accepted for processing, but the processing was not completed.
D. The POST/PUT request was fulfilled and a new resource was created, Information about the resource is in the response body.

Answer: A

NEW QUESTION 38
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 41
What is a benefit of deploying an on-premises infrastructure versus a cloud infrastructure deployment?

A. faster deployment times because additional infrastructure does not need to be purchased
B. lower latency between systems that are physically located near each other
C. less power and cooling resources needed to run infrastructure on-premises
D. ability to quickly increase compute power without the need to install additional hardware

Answer: B

NEW QUESTION 43
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.
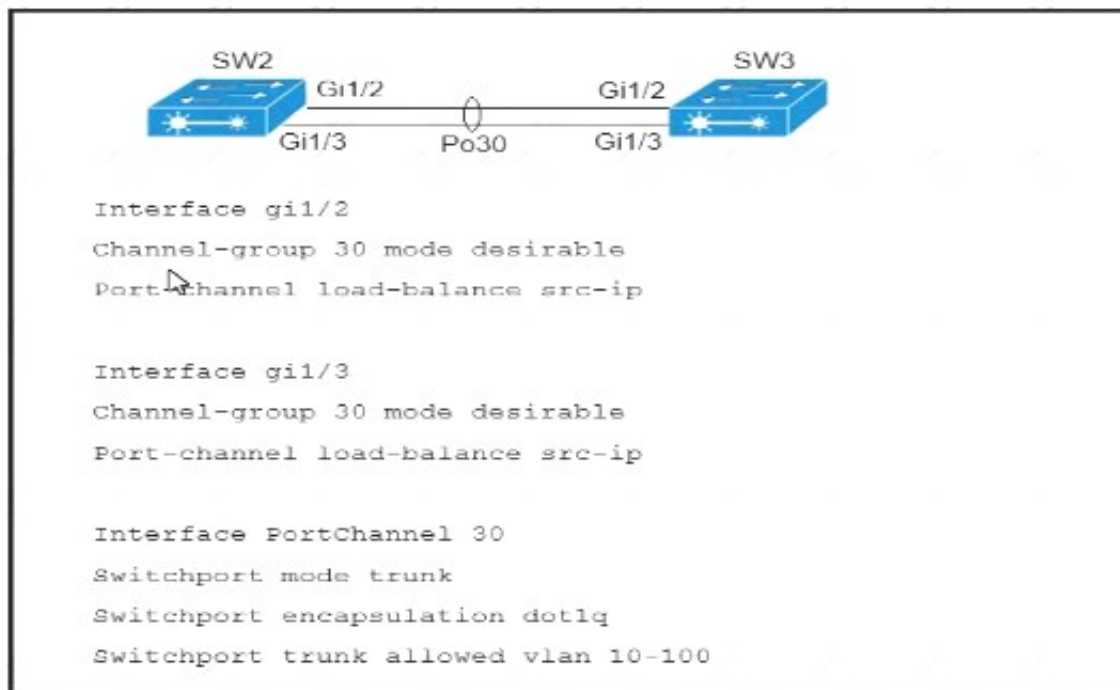
Answer: A

NEW QUESTION 48
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 51
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 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 53
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 57
Which two GRE features are configured to prevent fragmentation? (Choose two.)

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

Answer: BC

NEW QUESTION 61
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 62
At which Layer does Cisco DNA Center support REST controls?

A. EEM applets or scripts
B. Session layer
C. YMAL output from responses to API calls
D. Northbound APIs

Answer: D

NEW QUESTION 64
Which First Hop Redundancy Protocol maximizes uplink utilization and minimizes the amount of configuration that is necessary?

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

Answer: A

NEW QUESTION 68
A customer has several small branches and wants to deploy a WI-FI solution with local management using CAPWAP. Which deployment model meets this requirement?

A. Autonomous
B. Mobility Express
C. SD-Access wireless
D. Local mode

Answer: B

NEW QUESTION 72
Refer to this output. What is the logging severity level?
R1#Feb 14 37:15:12:429: %LINEPROTO-5-UPDOWN Line protocol on interface GigabitEthernet0/1. Change state to up

A. Notification
B. Alert
C. Critical
D. Emergency

Answer: A

NEW QUESTION 75
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 76
Refer to the exhibit.

Which statement about the OPSF debug output is true?

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

Answer: C

NEW QUESTION 78
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 81
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 82
Which description of an SD-Access wireless network infrastructure deployment is true?

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

Answer: C

NEW QUESTION 85
Which two protocols are used with YANG data models? (Choose two.)

A. HTTPS
B. SSH
C. RESTCONF
D. TLS
E. NFTCONF

Answer: CE

NEW QUESTION 89
Which statement about TLS is true when using RESTCONF to write configurations on network devices?

A. It is provided using NGINX acting as a proxy web server.
B. It is no supported on Cisco devices.
C. It required certificates for authentication.
D. It is used for HTTP and HTTPs requests.

Answer: C

NEW QUESTION 91
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. Auto
B. Active
C. On
D. Passive

Answer: C

NEW QUESTION 96
What is the correct EBGP path attribute list, ordered from most preferred to the least preferred, that the BGP best-path algorithm uses?

A. weigh
B. AS path, local preferenc
C. MED
D. weight, local preference AS path, MED
E. local preference weight AS path, MED
F. local preference, weight MED, AS path

Answer: B

NEW QUESTION 98
Which two descriptions of FlexConnect mode for Cisco APs are true? (Choose two.)

A. APs that operate in FlexConnect mode cannot detect rogue Aps.
B. FlexConnect mode is used when the APs are set up in a mesh environment and used to bridge between each other.
C. FlexConnect mode is a feature that is designed to allow specified CAPWAP-enabled APs to exclude themselves from managing data traffic between clients and infrastructure.
D. When connected to the controller, FlexConnect APs can tunnel traffic back to the controller.

E. FlexConnect mode is a wireless solution for branch office and remote office deployments.
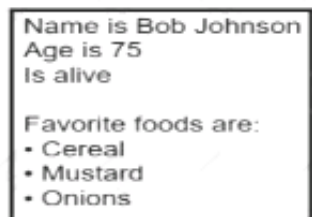
Answer: CD

NEW QUESTION 99
What are two benefits of virtualizing the server with the use of VMs in data center environment? (Choose two.)

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

Answer: BD

NEW QUESTION 101
Refer to the exhibit.


```
Name is Bob Johnson
Age is 75
Is alive

Favorite foods are:
• Cereal
• Mustard
• Onions
```

What is the JSON syntax that is formed the data?

A. Name: Bob, Johson, Age: 75, Alive: true, Favourite Food
B. [Cereal, ''Mustard'', ''Onions}}
C. Name'', ''Bob'' Johson'', ''Age'', 75, ''Alive'', true, ''favourite Foods'', [''Cereal, ''Mustard'', Onions'']}}
D. Name', 'Bob Johson,' 'Age', 75, 'Alive', true, 'favourite Foods' 'Cereal', 'Mustard', 'Onions'}
E. Name''. ''Bob Johnson'', ''Age'': Seventyfive, ''Alive'' true, ''favourite Foods'' ,[Cereal'' ''Mustard'' ''Onions'']}}

Answer: C

NEW QUESTION 106
In which part of the HTTP message is the content type specified?

A. HTTP method
B. URI
C. header
D. body

Answer: D

NEW QUESTION 110
When reason could cause an OSPF neighborship to be in the EXSTART/EXCHANGE state?

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

Answer: C

NEW QUESTION 115
What is the difference between a RIB and a FIB?

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

Answer: D

NEW QUESTION 117
Which LISP device is responsible for publishing EID-to-RLOC mappings for a site?

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

Answer: A

NEW QUESTION 119
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