Question 153 Review

Refer to the exhibit. A router received five routes from different routing nformation sources. Which two routes does it install in its routing table?
(Choose two)
IRCR route 10.0.0.020

IBGP route 10.0.0.0/30 RIP route 10.0.0.0/30 OSPF route 10.0.0.0/16 OSPF route 10.0.0.0/30 EIGRP route 10.0.0.1/32

77.	001	•	10010	10.0.0.0700

A OSDE route 10.0.0.0/30







D. EIGRP route 10.0.0.1/32



Question 321 Review

What command can be used to verify that a static route is in the routing able?		
	0	A. show static
	•	B. show ip route
	0	C. show routing table static

D. show admin routes

Question 503 Review

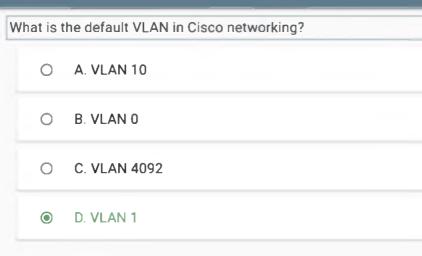
Which sub-protocol inside of the PPP suite facilitates multilink connections?			
0	A. MPLS		
0	B. NCP		



O C. LCP

D. ACP

Question 290 Review



Question 60 Review

Which of the following MAC addresses is as a VRRP virtual address?

is O(TI (0 th	an IEEE 0-00-5E- ne first t 10-01) in ne VRRP	on: The virtual router MAC address associated with a virtual router 802 MAC Address in the following format: 00-01-{VRID} (in hex in internet standard bit-order). hree octets are derived from the IANA's OUI. The next two octets dicate the address block assigned to the VRRP protocol. {VRID} is Virtual Router Identifier. This mapping provides for up to 255 VRRP in a network.
	•	A. 00-00-5E-00-01-0a
	0	B. 00-05-00-11-00-75
	0	C. 00-00-0C-07-AC-11

D. 00-08-E5-70-AB-01

Ouestion 72 Review

Which mechanism is used by Cisco DNA Center to collect data from the network? A. Devices send data periodically to the controller using the

call-home protocol B. Devices exchange data with the controller after establishing

an IPsec tunnel

C. The Cisco CLI Analyzer tool collects data from all licensed network devices and streams it to the controller

and streaming telemetry to send data to the controller

(

D. Network devices use a variety of services like syslog, SNMP.

Question 315 Review

If a router cannot find a better match, what might the router use to route traffic?

- A. 255,255,255,255/0

C. 0.0.0.0/32

D 0 0 0 0/0

- O B. 127.0.0.1/32

Question 518 Review

An organization purchased a VM on a public cloud and plan to create a VPN tunnel to the cloud provider. The organization's IP network is 172.20.0.0/12, and the provider has assigned an IP address in the 10.10.0.0/8 network. What virtual network function (VNF) will the organization need from the provider to communicate with the VM?

pr	provider to communicate with the VM?			
	0	A. Virtual switch		
	0	B. Virtual firewall		

- C. Virtual router
- O D. Another IP scheme at the provider

Question 21 Review

Which of the following ciphers provides the strongest encryption for WPA2- PSK?		
0	A. WEP	
0	B. RC4	
•	C. AES	
0	D. TKIP	

Question 416 Review

What is the term used with Ansible for the text file that lists the nodes that Ansible can manage?		
C)	A. Runbook
)	B. Playbook
)	C. Recipe

D. Inventory

Question 326 Review

Which statement about OSPFv2 is true?

0	A. The dead timers do not need to match between neighbors.

B. The hello timers do not need to match between neighbors.
 C. The area ID must match between neighbors.

D. The network command must be used.

Question 201 Review

When Auto MDI-X is used on a Cisco switch, what type of cable is used to connect a Layer 2 switch's port to a laptop?

- O A. Crossover
 - O B. Rollover
 - O C. Console

D. Straight-through

Question 27 Review

What is a role of an SNMP agent?

A. It responds to requests from the NMS, providing it with

B. It handles user authentication between network devices and

B. It handles user authentication between network devices and a RADIUS or TACACS+ server.

C. It collects information about disastrous system events from remote network nodes.

D. It supervises routing between Layer 3 devices in a network.

Question 212 Review

۷ŀ	Which statement about CDP is correct?		
	0	A. CDP is disabled by default.	
	0	B. CDP relies on TCP.	
	0	C. CDP is disabled on all serial interfaces by default.	
	•	D. CDP is a Layer 2 protocol.	

Question 229 Review

EIGRP uses the IPv4 address 224.0.0.10 in its operation. What type of address is this?

Explanation: IPv4 multicast addresses range is from 224.0.0.0 to 239.255.255

O A. Unicast

O B. Broadcast

C. Multicast

D. Anycast

Question 397 Review

W	What is the default state when DHCP snooping port is enabled?		
	0	A. Trusted	
	•	B. Untrusted	
	0	C. Permitted	
	0	D. Disabled	

Question 31 Review

What is the protocol used for the transport of user data in a site-to-site VPN architecture?

Explanation: A site-to-site VPN could use either internet protocol security protocol (IPSec) or generic routing encapsulation (GRE). GRE provides the framework for how to package the passenger protocol for transport over the internet protocol (IP).

A. TCPB. IPsecC. IKEv1D. IKEv2

Question 228 Review

What is the last usable host address on a subnet where a host has been given the address 172.16.6.1 255.255.254.0?

A 172.16.6.255

B 172 16 5 1

C. 172.16.6.128

D 172 16 6 254

Question 247 Review

Но	w ma	ny more bits are used in an IPv6 address than in an IPv4 address?	
	•	A. 96	
	0	B. 128	
	0	C. 48	
	0	D. 64	

Question 293 Review

What is the first step of the Spanning Tree Protocol convergence process?

Explanation: Steps to STP convergence:	
1. Elect the root bridge	
Find the best path to the root bridge.	
3. Block anything left over.	

0	A. Block nondesignated ports	S.

B. Calculate designated ports.

- C. Elect a root bridge.
- O D. Calculate root ports.

Question 492 Review

٨	Which task do core layer switches perform in the three-tier design model?				
	0	A. Connect to other switches for redundancy			
	0	B. Connect to users			
	•	C. Connect campuses			
	0	D. Connect to the Internet			

Question 343 Review

Examine the following command: ip nat inside source list 1 interface fa0/0 overload What is the inside global address for translation?

- A. The IP address on interface fa0/0
- O B. The virtual address on interface fa0/0
 - O C. The address in access list 1
- O D. The address in the NAT pool named interface

Question 375 Review

What command under the vty lines allows the checking of a local password?

A. check-password

B. enable

C. login local

D test

Question 513 Review

What is the role of a cloud services catalog?					
	0	A. It defines the capabilities for the cloud.			
	•	B. It defines the available VMs for creation in the cloud.			
	0	C. It defines the available VMs running in the cloud.			
	0	D. It defines the drivers for VMs in the cloud.			

Question 63 Review

Networking and cloud technologies usually use which type of the following APIs?

- APIS?
 - B. REST
 - C. JSON-RPC

D. XML-RPC

Question 193 Review

The cloud offers the ability to dynamically resize resources based on demand. What is the term for this ability?

- A. Elasticity
 - O B. Cloud-bursting
 - C. Scalability
 - O D. Immutability

Question 353 Review

-		
W	hat typ	e of record is used in DNS for a mail server?
	0	A. SOA
	•	B. MX
	0	C. NS
	0	D. CNAME

Question 157 Review

Refer to the exhibit. What is the effect of this configuration?

ip arp inspection vlan 5-10
interface fastethernet 0/1
switchport mode access
switchport access vlan 5

- A. The switch discards all ingress ARP traffic with invalid MAC-to-IP address bindings.
- O B. All ARP packets are dropped by the switch.
- C. Egress traffic is passed only if the destination is a DHCP server.
- D. All ingress and egress traffic is dropped because the interface is untrusted.

Question 208 Review Which statement regarding LLDP is false in relation to Cisco devices?

specific interfaces.

A. LLDP is not enabled by default on IOS devices.
 B. LLDP is a Cisco proprietary technology.

C. LLDP and CDP are compatible.

D. After being enabled globally, LLDP must be enabled on

Question 218 Review

What protocol all port humber does sixivir use: (Choose two.)				
		A. TCP		
	~	B. UDP		
	~	C. 161		
		D. 514		

Question 19 Review

What are two.)	What are the two encoding methods supported by REST APIs? (Choose wo.)				
~	A. JSON				
~	B. XML				
	C. EBCDIC				
	D. SGML				
	E. YAML				

Question 194 Review

Which technology eliminates the major concerns about straight-through versus crossover cables?

Explanation: A medium dependent interface (MDI) describes the interface (both physical and electrical/optical) in a computer network from a physical layer implementation to the physical medium used to carry the transmission. Ethernet over twisted pair also defines a medium dependent interface crossover (MDI-X) interface. Auto MDI-X ports on newer network interfaces detect if the connection would require a crossover, and automatically chooses the MDI or MDI-X configuration to properly match the other end of the link

0	A. STP	
0	B. RSTP	
•	C. Auto MDI-X	
0	D. FabricPath	

Question 59 Review

Which st	atement	identifies	the func	tionality (of virtual	machine	s?	
	A. Virtu	alized ser	vers pro	vide the b	est perf	ormance	when	thev

- are physically connected to a switch that is isolated from the hypervisor.
 - B. The hypervisor can virtualize physical components including CPU, memory, and storage.
 - C. The hypervisor can only support one virtual machine and one software switch at once.
- D. The hypervisor communication on Layer 3 does not require any additional resources.

Question 40 Review

Which two parameters are mandatory in order to enable OSPFv2 on an active interface? (Choose two.)				
Explanation: Enabling OSPFv2 on an Interface SUMMARY STEPS: 1. enable 2. configure terminal 3. interface type number 4. ip ospf process-id area area-id [secondaries none] 5. end 6. show ip ospf interface [type -number]				
☐ A. IPv6 address				
☐ B. IPv4 or IPv6 address				
✓ C. OSPF process ID				
☐ D. OSPF MD5 authentication key				
✓ E. OSPF area				

☐ F. OSPF stub flag

Question 162 Review

What versions of SNMP use a simple plaintext password? (Choose two.)			
		A. Version 1	
	~	B. Version 2	
	~	C. Version 2c	
		D. Version 3	
		E. Version 4	

Question 234 Review

Which of the following is true regarding IP address 127.0.0.1?				
	0	A. This is a multicast address.		
	0	B. This is a Class A unicast address.		
	•	C. This is a loopback address.		
	0	D. This is an invalid IP address.		

Question 380 Review What command is used to create the public/private key pair for SSH?

D. crypto key generate rsa

A. crypto key ssh create	
B. crypto key generate ssh	
C. crypto key ssh	

Question 235 Review

What is the subnet mask if you begin with the default Class A mask and then "borrow" 4 bits for subnetting?

- O A. 255.255.128.0
 - O B. 255.255.240.0
 - © C. 255.240.0.0
- O D. 255.255.255.240

Question 466 Review

WI	Which is a false statement about firewalls?		
	0	A. They can protect a network from external attacks.	
	•	B. They are commonly deployed to protect a network from internal attacks.	
	0	C. They can provide stateful packet inspection.	
	0	D. They can control application traffic.	

Question 487 Review

The two-tier design model contains which layer switches?	
A. Core, distribution, and access	
O B Care and distribution	

B. Core and distribution

D. Internet, core, distribution, and access

C Distribution and access

Question 348 Review

V	Vhat dev	rice is responsible for each DNS domain?
	0	A. Master DNS
	•	B. Authoritative name server
	0	C. Zone file server
	0	D. DNS client

Question 451 Review

A new Layer 2 switch in its default configuration has just been powered up. In addition to a console connection, there are two Windows hosts and an IP phone (using PoE) connected to its Ethernet ports. Which of the following are true? (Choose two.)

~	resolution, the switch will have learned the MAC addresses of both Windows hosts.
	B. The switch would see the two Windows hosts directly connected devices from CDP.
	C. The switch would not know if the IP phone is a Cisco IP phone or a third-party IP phone until a call is initiated from the phone.
V	D. The switch can be configured with an IPv4 address on interface VLAN 1.

Question 11 Review

Nha	at are	the advantages of implementing VLANs? (Choose three.)
	~	A. A higher level of network security can be achieved by segregating sensitive data traffic from other network traffic.
		B. They allow multiple physical groups to share the same network infrastructure. This optimizes the use of bandwidth.
	~	C. They allow multiple logical groups to share the same network infrastructure. This optimizes the use of bandwidth.
	~	D. They increase the number of broadcast domains, which reduces their size. This allows to mitigate broadcast storms
		E. They decrease the number of broadcast domains, which increases their size. This allows to mitigate broadcast storms
		F. VLANs allow the configuration of new logical groups, because all VLANs belong to the same broadcast domain.
		G. 802.1Q trunks allow port-based VLANs to increase switch-

Question 148 Review

Refer to the exhibit. How does the router manage traffic to 192.168.12.16?



inclusive of the destination address.

- A. It load-balances traffic between all three routes.
- B. It chooses the EIGRP route because it has the lowest administrative distance.
- C. It chooses the OSPF route because it has the longest prefix inclusive of the destination address.
- D. It selects the RIP route because it has the longest prefix

Question 297 Review

What version of STP on a Cisco device implements classic IEEE 802.1D?	
0	A. MST
•	B. PVST+
0	C. TRILL
0	D. RPVST+

Question 53 Review

Which statement identifies the functionality of virtual machines?	
---	--

- A. Virtualized servers provide the best performance when they
 are physically connected to a switch that is isolated from the
 hypervisor.
- B. The hypervisor can virtualize physical components including CPU, memory, and storage.
- C. The hypervisor can only support one virtual machine and one software switch at once.
- D. The hypervisor communication on Layer 3 does not require any additional resources.

Question 310 Review

What aspe	ct of the routing table is impacted by the command ip route .0.0?
0 /	A. Network mask

B. Metric

C. Administrative distance

D. Gateway of last resort

Question 66 Review

What protocol does Ansible use in order to connect to managed nodes for configuration purposes?

Explanation: Managed nodes are the network devices (and/or servers) you manage with Ansible, via ssh. They are also sometimes called "hosts".
Ansible is not installed on managed nodes.

- A. IPSec
 - B. HTTP
- O C. HTTPS

 D. SSH
- O E. SFTP

Question 489 Review

V	hich st	atement is true about the collapsed core design concept?
	0	A. It is best suited for large-scale networks.
	0	B. It allows for better bandwidth.
	•	C. It is best suited for small enterprises.
	0	D. It hottlenecks handwidth

Question 44 Review

Which statement correctly describes how TCP and UDP provide reliability for packets delivery?

Explanation:

A. TCP is a best effort protocol; It does not guarantee delivery or error checking to make sure that data is not corrupted. UDP

the lost packets.

B. TCP uses flow control to avoid inundating a receiver by sending too many packets at once. UDP sends packets to the receiver in a continuous stream without checking for sequencing.

uses message acknowledgement mecanism and retransmits

- C. TCP uses windowing to deliver packets reliably. UDP establishes a three-way handshake in order to provide reliable
- D. TCP is a connectionless protocol that does not provide reliable data delivery. UDP is a connection-oriented protocol that uses sequencing to provide reliable delivery.

Question 433 Review

Wh	nich is	not a major menu option in Cisco DNA Center?
	•	A. Compliance
	0	B. Policy
	0	C. Design
	0	D. Provision

Question 140 Review

Refer to the exhibit. A network administrator configures four switches for local authentication using passwords that are stored as a cryptographic hash. The four switches must also support SSH access for administrators to manage the network infrastructure. Which switch is configured correctly to meet these requirements?

SW1(config-line) #line vty 0 15
SW1(config-line) #no login local SW1(config-line) #password cisco
SW2(config) #username admin1 password abc123 SW2(config-line) #line vty 0 15 SW2(config-line) #login local
SW3(config) #username admin1 secret abc123 SW3(config-line) #line vty 0 15 SW3(config-line) #login local
SW4(config) #username admin1 secret abc123 SW4(config-line) #line console 0 SW4(config-line) #login local

O B. SW2



O D. SW4

Question 299 Review

What command allows a port to more quickly transition from blocking to forwarding?

Explanation: PortFast causes a switch or trunk port to enter the spanning tree forwarding state immediately, bypassing the listening and learning states.

- A. spanning-tree portfast
 - O B. spanning-tree convergefast
 - O C. spanning-tree rstp
 - D. spanning-tree port-fast enable

Question 215 Review

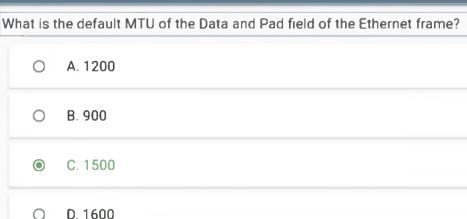
nat lay mode	rer of the OSI model corresponds to the transport layer of the TCP/I?
0	A. Network
•	B. Transport
0	C. Session
0	D. Presentation

Question 217 Review

What	pro	stocol and port number does RIP use? (Choose two.)
		A. TCP
	/	B. UDP
	7	C 514



Question 269 Review



Question 320 Review

What parameters of a static route can be included as part of the ip route command to indicate where traffic should be sent? (Choose two.)

~	A. Next hop IP address
	B. RE ID
	C. Destination MAC address
~	D. Outgoing interface

Question 259 Review

What so reality?	ftware runs on a physical server and makes virtual machines a
0	A. Firewall
0	B. Web server

C. Hypervisor

D. Container

Question 332 Review Which network type in OSPF features the use of a DR and a BDR?

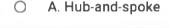
_		, , , , , , , , , , , , , , , , , , ,	
	0	A. Point-to-point	
	•	B. Broadcast	

O C. Point-to-multipoint

D. Point-to-multipoint non-broadcast

Question 192 Review

Which WAN topology is usually the most expensive and difficult to maintain?









Question 190 Review

Sp	peed is	most important in which layer of a 2-tier architecture?
	0	A. The access layer
	0	B. The workstation layer
	•	C. The backbone layer
	0	D. The distribution layer

Question 477 Review

	·
•	A. Centralized authentication
0	B. The use of autonomous WAPs

Which is a valid reason to implement a wireless LAN controller?

C. Multiple SSIDs

D. Multiple VLANs

Question 482 Review

W	hich is	a direct benefit of a full mesh topology?
	0	A. Increased bandwidth
	•	B. Increased redundancy

C. Decreased switch count

D. Increased complexity

Ouestion 307 Review

Refer to the exhibit. What is the next router (or hop) to be used for a packet destined for 172 16 1 23?



A 10 30 30 3

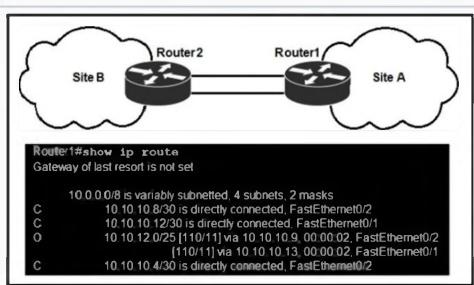
D 10 20 20 2

B. 192.168.1.1

C. 10.10.10 1

Question 138 Review

Refer to the exhibit. If OSPF is running on this network, how does Router1 handle traffic from Site A to 10.10.12.128/25 at Site B?



- A. It sends packets out of interface Fa0/1 only.
- B. It cannot send packets to 10.10.12.128/25.
- C. It load-balances traffic out of Fa0/1 and Fa0/2.
- O D. It sends packets out of interface Fa0/2 only.