QUESTION 336
What is a DHCP client?

A. a workstation that requests a domain name associated with its IP address
B. a host that is configured to request an IP address automatically
C. a server that dynamically assigns IP addresses to hosts.
D. a router that statically assigns IP addresses to hosts.

Answer: B

QUESTION 337
Which two functions are performed by the core layer in a three-tier architecture? (Choose two)

A. Provide uninterrupted forwarding service.
B. Police traffic that is sent to the edge of the network.
C. Provide direct connectivity for end user devices.
D. Ensure timely data transfer between layers.
E. Inspect packets for malicious activity.

Answer: DE

QUESTION 338
Refer to the exhibit. A network administrator must permit SSH access to remotely manage routers in a network. The operations team resides on the 10.20.1.0/25 network. Which command will accomplish this task?

```
interface GigabitEthernet0/1
ip address 192.168.1.2 255.255.255.0
ip access-group 2699 in
!
access-list 2699 deny icmp any 10.10.1.0 0.0.0.255 echo
access-list 2699 deny ip any 10.20.1.0 0.0.0.255
access-list 2699 permit ip any 10.10.1.0 0.0.0.255
access-list 2699 permit tcp any 10.20.1.0 0.0.0.127 eq 22
```

A. access-list 2699 permit udp 10.20.1.0 0.0.0.255
B. no access-list 2699 deny tcp any 10.20.1.0 0.0.0.127 eq 22
C. access-list 2699 permit tcp any 10.20.1.0 0.0.0.255 eq 22
D. no access-list 2699 deny ip any 10.20.1.0 0.0.0.255

Answer: D

Explanation:
Already a statement is there in last to allow SSH Traffic for network 10.20.1.0 0.0.0.127, but Second statement says deny ip any 10.20.1.0 0.0.0.255, so how it will work once it is denied. So the right answer is remove the --- no access-list 2699 deny ip any 10.20.1.0 0.0.0.255.

QUESTION 339
Which configuration management mechanism uses TCP port 22 by default when communicating with managed nodes?

A. Ansible
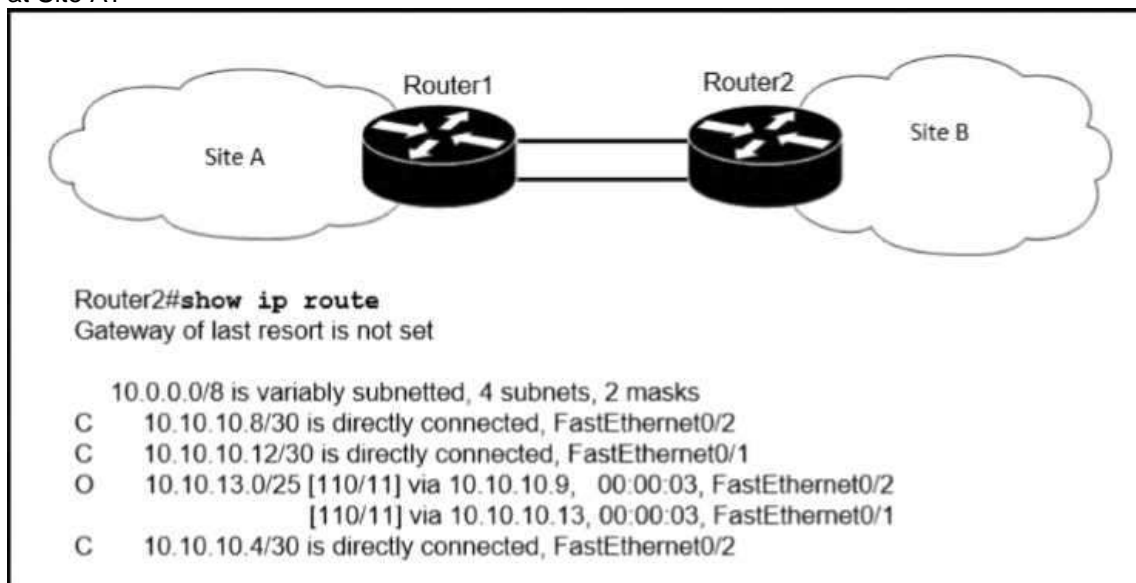B. Python
C. Puppet
D. Chef

Answer: A

QUESTION 340
What is a practice that protects a network from VLAN hopping attacks?

A. Enable dynamic ARP inspection
B. Configure an ACL to prevent traffic from changing VLANs
C. Change native VLAN to an unused VLAN ID
D. Implement port security on internet-facing VLANs

Answer: C

QUESTION 341
Refer to the exhibit. If OSPF Is running on this network, how does Router2 handle traffic from Site B to 10.10.13.128/25 at Site A?


```
Router2#show ip route
Gateway of last resort is not set

    10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C       10.10.10.8/30 is directly connected, FastEthernet0/2
C       10.10.10.12/30 is directly connected, FastEthernet0/1
O       10.10.13.0/25 [110/11] via 10.10.10.9,  00:00:03, FastEthernet0/2
                      [110/11] via 10.10.10.13, 00:00:03, FastEthernet0/1
C       10.10.10.4/30 is directly connected, FastEthernet0/2
```

A. It load-balances traffic out of Fa0/1 and Fa0/2.
B. It is unreachable and discards the traffic.
C. It sends packets out of interface FaO/2.
D. It sends packets out of interface Fa0/1.

Answer: B

QUESTION 342

What is the purpose of traffic shaping?

A. to mitigate delays over slow links
B. to provide fair queuing for buffered flows
C. to limit the bandwidth that a flow can use to
D. be a marking mechanism that identifies different flows

Answer: A

QUESTION 343
Refer to the exhibit. Which command configures a floating static route to provide a backup to the primary link?

```
Router#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
       ia - IS-IS inter area, * - candidate default, U - per-user static route

Gateway of last resort is 209.165.202.131 to network 0.0.0.0

S*     0.0.0.0/0 [1/0] via 209.165.202.131
       209.165.200.0/27 is subnetted, 1 subnets
S         209.165.200.224 [254/0] via 209.165.202.129
       209.165.201.0/27 is subnetted, 1 subnets
S         209.165.201.0 [1/0] via 209.165.202.130
```

A. ip route 0.0.0.0 0.0.0.0 209.165.202.131
B. ip route 209.165.201.0 255.255.255.224 209.165.202.130
C. ip route 0.0.0.0 0.0.0.0 209.165.200.224
D. ip route 209.165.200.224 255.255.255.224 209.165.202.129 254

Answer: B

QUESTION 344
Where does the configuration reside when a helper address Is configured lo support DHCP?

A. on the router closest to the server
B. on the router closest to the client
C. on every router along the path
D. on the switch trunk interface

Answer: D

QUESTION 345
How does the dynamically-learned MAC address feature function?

A. The CAM table is empty until ingress traffic arrives at each port
B. Switches dynamically learn MAC addresses of each connecting CAM table.
C. The ports are restricted and learn up to a maximum of 10 dynamically-learned addresses
D. It requires a minimum number of secure MAC addresses to be filled dynamically

Answer: A

QUESTION 346

What facilitates a Telnet connection between devices by entering the device name?

A. SNMP
B. DNS lookup
C. syslog
D. NTP

Answer: B

QUESTION 347
Drag and Drop Question
Drag the IPv6 DNS record types from the left onto the description on the right.

AAAA	aliases one name to another
CNAME	associates the domain serial number with its owner
NS	correlates a domain with its authoritative name servers
PTR	correlates a host name with an IP address
SOA	supports reverse name lookups

Answer:

CNAME
SOA
NS
AAAA
PTR

QUESTION 348
Drag and Drop Question
Drag and drop the SNMP components from the left onto the descriptions on the right.

MIB	collection of variables that can be monitored
SNMP agent	unsolicited message
SNMP manager	responds to status requests and requests for information about a device
SNMP trap	resides on an NMS

Answer:

	MIB
	SNMP manager
	SNMP trap
	SNMP agent

QUESTION 349
Drag and Drop Question
Refer to the exhibit. An engineer is required to verify that the network parameters are valid for the users wireless LAN connectivity on a /24 subnet. Drag and drop the values from the left onto the network parameters on the right. Not all values are used.

```
C:\>ipconfig/all

Windows IP Configuration

    Host Name . . . . . . . . . . . . : Inspiron15
    Primary Dns Suffix  . . . . . . . :
    Node Type . . . . . . . . . . . . : Mixed
    IP Routing Enabled. . . . . . . . : No
    WINS Proxy Enabled. . . . . . . . : No

Wireless LAN adapter Local Area Connection* 12:

    Media State . . . . . . . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
    Description . . . . . . . . . . . : Microsoft Wi-Fi Direct Virtual Adapter
    Physical Address. . . . . . . . . : 1A-76-3F-7C-57-DF
    DHCP Enabled. . . . . . . . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . :
    Description . . . . . . . . . . . : Dell Wireless 1703 802.11b/g/n (2.4GHz)
    Physical Address. . . . . . . . . : B8-76-3F-7C-57-DF
    DHCP Enabled. . . . . . . . . . . : No
    Autoconfiguration Enabled . . . . : Yes
    Link-local IPv6 Address . . . . . : fe80::e09f:9839:6e86:f755x12(Preferred)
                                        192.168.1.20(Preferred)
                                        255.255.255.0
                                        192.168.1.1
    DHCPv6 IAID . . . . . . . . . . . : 263747135
    DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-1B-E6-32-43-B8-76-3F-7C-57-DF

                                        192.168.1.15
                                        192.168.1.16
    NetBIOS over Tcpip. . . . . . . . : Enabled
```

192.168.1.1		broadcast address
192.168.1.20		default gateway
192.168.1.254		host IP address
192.168.1.255		last assignable IP address in the subnet
B8-76-3F-7C-57-DF		MAC address
1A-76-3F-7C-57-DF		network address
192.168.1.0		

Answer:

	192.168.1.255
	192.168.1.1
	192.168.1.20
	192.168.1.254
	B8-76-3F-7C-57-DF
1A-76-3F-7C-57-DF	192.168.1.0