Site B to 10.10.13/25 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
```
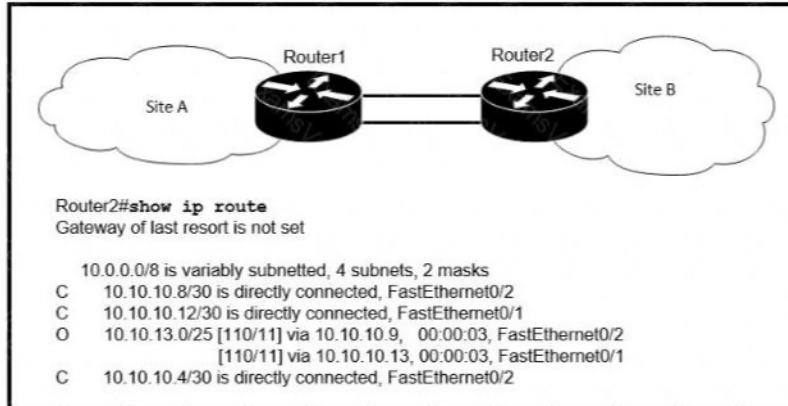
A. It sends packets out of interface Fa0/2 only.
B. It sends packets out of interface Fa0/1 only.
C. It cannot send packets to 10.10.13 128/25
D. It load-balances traffic out of Fa0/1 and Fa0/2
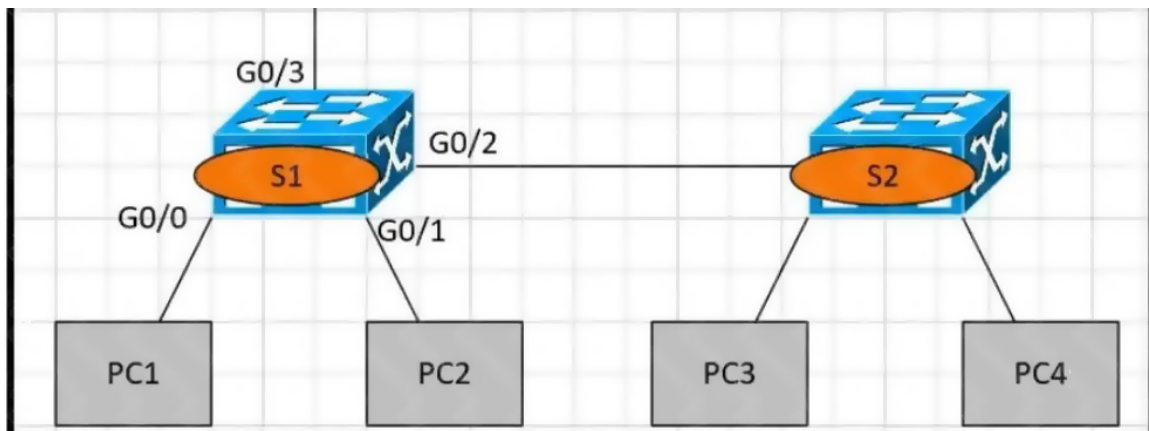
Correct Answer: C
Explanation:
Router2 does not have an entry for the subnet 10.10.13.128/25. It only has an entry for 10.10.13.0/25, which ranges from 10.10.13.0 to 10.10.13.127.

https://study-ccna.com/administrative-distance-metric/

QUESTION 194
Refer to the exhibit. PC1 is trying to ping PC3 for the first time and sends out an ARP to S1
Which action is taken by S1?

A. It forwards it out G0/3 only
B. It is flooded out every port except G0/0.
C. It drops the frame.
D. It forwards it out interface G0/2 only.

Correct Answer: B

QUESTION 195
Which option about JSON is true?

A. uses predefined tags or angle brackets () to delimit markup text
B. used to describe structured data that includes arrays
C. used for storing information
D. similar to HTML, it is more verbose than XML

Correct Answer: B
Explanation:
JSON data is written as name/value pairs.A name/value pair consists of a field name (in double quotes), followed by a colon, followed by a value:"name":"Mark"JSON can use arrays. Array values must be of type string, number, object, array, boolean or null..For example:{"name":"John","age":30,"cars":["Ford", "BMW", "Fiat"]}

QUESTION 196
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

Correct Answer: B
Explanation:
Traffic shaping retains excess packets in a queue and then schedules the excess for later transmission over increments of time.

QUESTION 197
How will Link Aggregation be Implemented on a Cisco Wireless LAN Controller?

A. One functional physical port is needed to pass client traffic.
B. The EthernetChannel must be configured in "mode active".
C. When enabled, the WLC bandwidth drops to 500 Mbps.
D. To pass client traffic, two or more ports must be configured.

Correct Answer: A
Explanation:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/7-5/configuration-guide/b_cg75/b_cg75_chapter_0100010.html

QUESTION 198
Which two encoding methods are supported by REST APIs? (Choose two)

A. YAML
B. JSON
C. EBCDIC
D. SGML

E.   XML

Correct Answer: BE
Explanation:
https://www.cisco.com/c/en/us/td/docs/switches/datacenter/aci/apic/sw/2-
x/rest_cfg/2_1_x/b_Cisco_APIC_REST_API_Configuration_Guide/b_Cisco_APIC_REST_API_C
onfiguration_Guide_chapter_01.html
https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus1000/sw/5_x/rest_api_config/b_
Cisco_N1KV_VMware_REST_API_Config_5x/b_Cisco_N1KV_VMware_REST_API_Config_5x_c
hapter_010.pdf

The Application Policy Infrastructure Controller (APIC) REST API is a programmatic interface that
uses REST architecture. The API accepts and returns HTTP (not enabled by default) or HTTPS
messages that contain JavaScript Object Notation (JSON) or Extensible Markup Language (XML)
documents.

QUESTION 199
Which command automatically generates an IPv6 address from a specified IPv6 prefix and MAC
address of an interface?

A.   ipv6 address dhcp
B.   ipv6 address 2001:DB8:5:112::/64 eui-64
C.   ipv6 address autoconfig
D.   ipv6 address 2001:DB8:5:112::2/64 link-local

Correct Answer: C
Explanation:
The "ipv6 address autoconfig" command causes the device to perform IPv6 stateless address
autoconfiguration to discover prefixes on the link and then to add the EUI-64 based addresses to
theinterface.Addresses are configured depending on the prefixes received in Router
Advertisement (RA)messages.The device will listen for RA messages which are transmitted
periodically from the router (DHCPServer).This RA message allows a host to create a global IPv6
address from:+ Its interface identifier (EUI-64 address)+ Link Prefix (obtained via RA)Note: Global
address is the combination of Link Prefix and EUI-64 address.

QUESTION 200
Refer to the exhibit. Which configuration on RTR-1 denies SSH access from PC-1 to any RTR-1
interface and allows all other traffic?
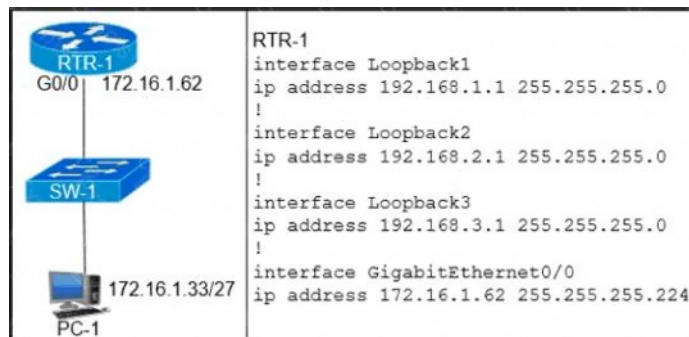
A.   access-list 100 deny tcp host 172.16.1.33 any eq 22

```
   access-list 100 permit ip any any
   interface GigabitEthernet0/0
   ip access-group 100 in
B. access-list 100 deny tcp host 172.16.1.33 any eq 22
   access-list 100 permit ip any any
   line vty 0 15
   ip access-group 100 in
C. access-list 100 deny tcp host 172.16.1.33 any eq 23
   access-list 100 permit ip any any
   interface GigabitEthernet0/0
   ip access-group 100 in
D. access-list 100 deny tcp host 172.16.1.33 any eq 23
   access-list 100 permit ip any any
   line vty 0 15
   ip access-group 100 in
```

Correct Answer: B

QUESTION 201
What are two characteristics of the distribution layer in a three-tier network architecture? (Choose two.)

A. serves as the network aggregation point
B. provides a boundary between Layer 2 and Layer 3 communications
C. designed to meet continuous, redundant uptime requirements
D. is the backbone for the network topology
E. physical connection point for a LAN printer

Correct Answer: BC

QUESTION 202
What must be considered when using 802:11 ta?

A. It is compatible with 802 lib- and 802 11-compliant wireless devices
B. It is used in place of 802 11b/g when many nonoverlapping channels are required
C. It is susceptible to interference from 2 4 GHz devices such as microwave ovens.
D. It is chosen over 802 11b/g when a lower-cost solution is necessary

Correct Answer: A

QUESTION 203
What are two roles of Domain Name Services (DNS)? (Choose two)

A. builds a flat structure of DNS names for more efficient IP operations
B. encrypts network Traffic as it travels across a WAN by default
C. improves security by protecting IP addresses under Fully Qualified Domain Names (FQDNs)
D. enables applications to identify resources by name instead of IP address
E. allows a single host name to be shared across more than one IP address

Correct Answer: DE

QUESTION 204
What are two fundamentals of virtualization? (Choose two)

A. The environment must be configured with one hypervisor that serves solely as a network manager to monitor SNMP traffic
B. It allows logical network devices to move traffic between virtual machines and the rest of the physical network
C. It allows multiple operating systems and applications to run independently on one physical server.
D. It allows a physical router to directly connect NICs from each virtual machine into the network
E. It requires that some servers, virtual machines and network gear reside on the Internet

Correct Answer: BC

QUESTION 205
An engineer needs to add an old switch back into a network. To prevent the switch from corrupting the VLAN database which action must be taken?

A. Add the switch in the VTP domain with a lower revision number
B. Add the switch with DTP set to dynamic desirable
C. Add the switch in the VTP domain with a higher revision number
D. Add the switch with DTP set to desirable

Correct Answer: A

QUESTION 206
what occurs to frames during the process of frame flooding?

A. Frames are sent to every port on the switch in the same VLAN except from the originating port
B. Frames are sent to every port on the switch that has a matching entry in the MAC address table.
C. Frames are sent to all ports, including those that are assigned to other VLANs.
D. Frames are sent to every port on the switch in the same VLAN.

Correct Answer: A

QUESTION 207
Which security program element involves installing badge readers on data-center doors to allow workers to enter and exit based on their job roles?

A. role-based access control
B. biometrics
C. multifactor authentication
D. physical access control

Correct Answer: D

QUESTION 208
which purpose does a northbound API serve in a controller-based networking architecture?

A. communicates between the controller and the physical network hardware
B. reports device errors to a controller
C. generates statistics for network hardware and traffic