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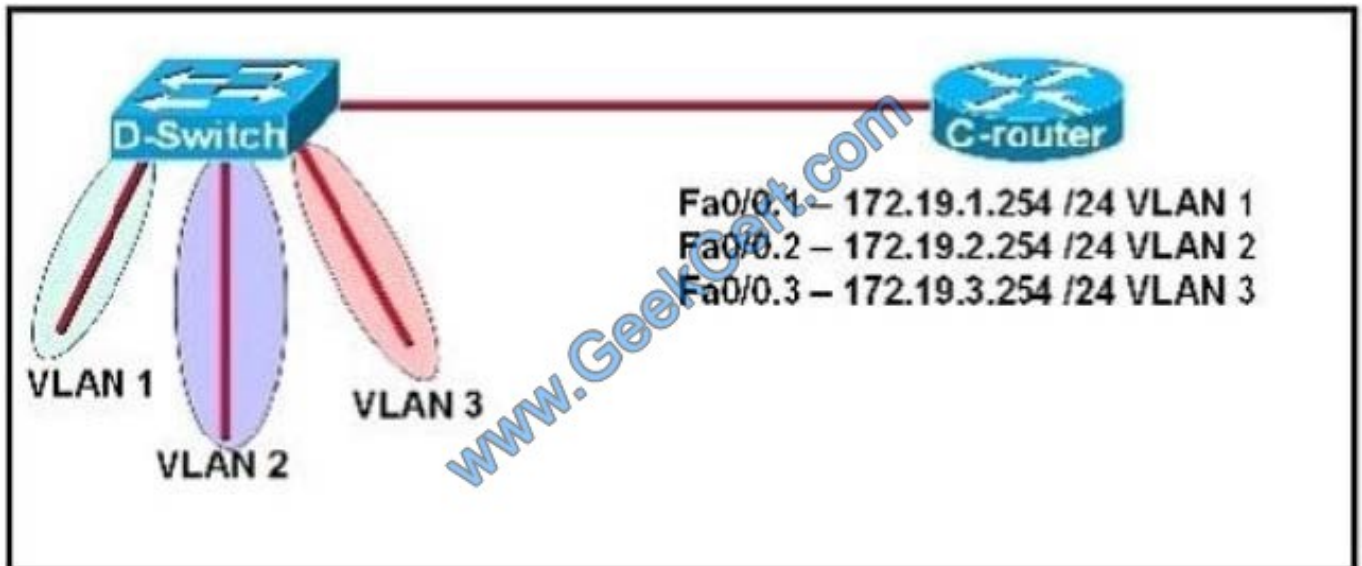
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2 / 5

QUESTION 1

Refer to the exhibit. C-router is to be used as a "router-on-a-stick" to route between the VLANs. All the interfaces have been properly configured and IP routing is operational. The hosts in the VLANs have been configured with the appropriate default gateway.

What is true about this configuration?

A. These commands need to be added to the configuration: C-router(config)# router eigrp 123 C-router(config-router)# network 172.19.0.0

B. These commands need to be added to the configuration: C-router(config)# router ospf 1 C-router(config-router)# network 172.19.0.0 0.0.3.255 area 0

C. These commands need to be added to the configuration: C-router(config)# router rip C-router(config-router)# network 172.19.0.0

D. No further routing configuration is required.

Correct Answer: D

Reference: http://www.cisco.com/en/US/tech/tk389/tk815/technologies_configuration_example09186a00800949fd.shtml https://learningnetwork.cisco.com/servlet/JiveServlet/download/5669-2461/Router%20on%20a%20Stick.pdf.

QUESTION 2

Refer to the exhibit.

Index	Load	Port	EC state	No of bits
0	36	Gi1/1	Active	3
1	84	Gi1/2	Active	3
2	16	Gi1/	Active	2

While troubleshooting a switch, you executed the show interface port-channel 1 etherchannel command and it returned this output. Which information is provided by the Load value?

A. the percentage of use of the link

B. the preference of the link

C. the session count of the link

D. the number of source-destination pairs on the link

Correct Answer: D

QUESTION 3

Which command must you enter to prepare an interface to carry voice traffic?

A. Switch1(config-if)#switchport mode access

B. Switch1(config-if)#switchport mode trunk

C. Switch1(config-if)#switchport access vlan 10

D. Switch1(config-if)#switchport host

Correct Answer: B

QUESTION 4

Which two encapsulation types can use the keepalive command to monitor the link state of a WAN serial interface? (Choose two.)

A. PPP

B. LMI

C. Frame Relay

D. HDLC

E. LCP

Correct Answer: AD

Reference:
https://www.cisco.com/c/en/us/td/docs/routers/access/800/819/software/configuration/Guide/819_SCG/6ser_conf.html

QUESTION 5

What are the benefit of using Netflow? (Choose three.)

A. Network, Application and User Monitoring

B. Network Planning

C. Security Analysis

D. Accounting/Billing

Correct Answer: ACD

NetFlow Definitions and Benefits NetFlow traditionally enables several key customer applications including: Network Monitoring--NetFlow data enables extensive near real time network monitoring capabilities. Flowbased analysis techniques may be utilized to visualize traffic patterns associated with individual routers and switches as well as on a network-wide basis (providing aggregate traffic or application based views) to provide proactive problem detection, efficient troubleshooting, and rapid problem resolution. Application Monitoring and Profiling--NetFlow data enables network managers to gain a detailed, time based, view of application usage over the network. This information is used to plan, understand new services, and allocate network and application resources (e.g. Web server sizing and VoIP deployment) to responsively meet customer demands. User Monitoring and Profiling--NetFlow data enables network engineers to gain detailed understanding of customer/user utilization of network and application resources. This information may then be utilized to efficiently plan and allocate access, backbone and application resources as well as to detect and resolve potential security and policy violations. Network Planning--NetFlow can be used to capture data over a long period of time producing the opportunity to track and anticipate network growth and plan upgrades to increase the number of routing devices, ports, or higher-bandwidth interfaces. NetFlow services data optimizes network planning including peering, backbone upgrade planning, and routing policy planning. NetFlow helps to minimize the total cost of network operations while maximizing network performance, capacity, and reliability. NetFlow detects unwanted WAN traffic, validates bandwidth and Quality of Service (QOS) and allows the analysis of new network applications. NetFlow will give you valuable information to reduce the cost of operating your network. Security Analysis--NetFlow identifies and classifies DDOS attacks, viruses and worms in real-time. Changes in network behavior indicate anomalies that are clearly demonstrated in NetFlow data. The data is also a valuable forensic tool to understand and replay the history of security incidents. Accounting/Billing--NetFlow data provides fine-grained metering (e.g. flow data includes details such as IP addresses, packet and byte counts, timestamps, type-of-service and application ports, etc.) for highly flexible and detailed resource utilization accounting. Service providers may utilize the information for billing based on time-of-day, bandwidth usage, application usage, quality of service, etc. Enterprise customers may utilize the information for departmental charge-back or cost allocation for resource utilization. NetFlow Data Warehousing and Data Mining--NetFlow data (or derived information) can be warehoused for later retrieval and analysis in support of proactive marketing and customer service programs (e.g. figure out which applications and services are being utilized by internal and external users and target them for improved service, advertising, etc.). In addition, NetFlow data gives Market Researchers access to the "who", "what", "where", and "how long" information relevant to enterprises and service providers.

Reference: http://www.cisco.com/en/US/products/sw/netmgtsw/ps1964/products_implementation_design_guide09186a00800d6a11.html#wp1030045