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| **[1](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml)** | Principio del formulario   |  |  | | --- | --- | | What two actions will the EIGRP DUAL FSM take if a link to a network goes down? (Choose two.) | | |  | put the route into passive mode | |  | query neighbors for a new route | |  | search routing table for a feasible successor | |  | run the SPF algorithm to find a new successor | |  | search topology table for a feasible successor |   Final del formulario |
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| [**2**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | Which term defines a collection of networks under the administrative control of a single entity that presents a common routing policy to the Internet? | | |  | autonomous system | |  | contiguous networks | |  | process ID | |  | BGP |   Final del formulario |
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| [**3**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/16424.jpg Refer to the exhibit. All interfaces have been configured with the bandwidths that are shown in the exhibit. Assuming that all routers are using a default configuration of EIGRP as their routing protocol, what path will packets take from the 172.16.1.0/16 network to the 192.168.200.0/24 network? | | |  | A,B,E | |  | A,C,E | |  | A,D,E | |  | Packets will load balance across the A,B,E and A,C,E paths. | |  | Packets will load balance across the A,B,E and A,D,E paths. | |  | Packets will load balance across the A,C,E and A,D,E paths. |   Final del formulario |
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| [**4**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/15918.jpg Refer to the exhibit. In the topology table, what do the numbers 3011840 and 3128695 represent? | | |  | the route metric that is applied to those EIGRP routes for this router | |  | the trustworthiness of the routing information source | |  | the composite of the hop count and bandwidth to that destination network | |  | the total metric for that network as advertised by the EIGRP neighbor |   Final del formulario |
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| [**5**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/14741.jpg Refer to the exhibit. The company is using EIGRP with an autonomous system number of 10. Pings between hosts on networks that are connected to router A and those that are connected to router B are successful. However, users on the 192.168.3.0 network are unable to reach users on the 192.168.1.32 network. What is the most likely cause of this problem? | | |  | IP classless is enabled and is causing the packet to drop. | |  | The command **network 192.168.1.32** was not issued on router C. | |  | The routers are not configured in the same EIGRP routing domain. | |  | Automatic summarization of the networks is causing the subnetted routes to be dropped. |   Final del formulario |
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| [**6**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/14743.jpg Refer to the exhibit. This is the debug output from 2 directly connected EIGRP routers. They are not forming an adjacency. What is the cause? | | |  | one router is a non-cisco router | |  | they have different autonomous-system numbers | |  | they are using difference sequence numbers | |  | they are sending incorrect hello types |   Final del formulario |
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| [**7**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | What information is maintained in the EIGRP topology database for a destination route? (Choose three.) | | |  | the routing protocol | |  | the feasible distance of the route | |  | the highest cost of the route | |  | the SRTT value for the route | |  | the route cost as advertised by the neighboring router | |  | the physical address of the gateway interface |   Final del formulario |
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| [**8**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/14747.jpg Refer to the exhibit. Which command will advertise the 192.168.1.64/30 network but not the 192.168.1.32 network on router A? | | |  | **network 192.168.1.0** | |  | **network 192.168.1.0 255.255.255.0** | |  | **network 192.168.1.64 0.0.0.3** | |  | **network 192.168.1.64 0.0.0.7** | |  | **network 192.168.1.64 0.0.0.255** |   Final del formulario |
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| [**9**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/15919.jpg Refer to the exhibit. EIGRP is the only routing protocol enabled on this network. No static routes are configured on this router. What can be concluded about network 198.18.1.0/24 from the exhibited output? | | |  | A route to network 198.18.1.0/24 is not listed in the routing table. | |  | Packets that are destined for 198.18.1.0/24 will be forwarded to 198.18.10.6. | |  | EIGRP will perform equal cost load balancing across two paths when forwarding packets to 198.18.1.0/24. | |  | The router with interface 172.16.3.2 is a successor for network 198.18.1.0/24. |   Final del formulario |
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| [**10**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | Which two statements describe characteristics of EIGRP? (Choose two.) | | |  | EIGRP is a distance vector routing protocol. | |  | EIGRP supports classless routing and VLSM. | |  | EIGRP is classified as a link-state routing protocol. | |  | EIGRP uses TCP for reliable delivery of EIGRP update packets. | |  | With EIGRP, loop-free paths are achieved through the use of hold-down timers. | |  | EIGRP sends a periodic update every 30 minutes. |   Final del formulario |
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| [**11**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | On a router running EIGRP, what database would maintain a list of feasible successors? | | |  | routing table | |  | neighbor table | |  | topology table | |  | adjacency table |   Final del formulario |
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| [**12**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | By default, which two metrics are used by EIGRP to determine the best path between networks? | | |  | MTU | |  | load | |  | delay | |  | bandwidth | |  | reliability |   Final del formulario |
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| [**13**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/14760.jpg Refer to the exhibit. What is indicated by the P at the beginning of the topology entry? | | |  | the route is in a stable state | |  | the route is a preferred route | |  | DUAL is searching for a better route to this destination | |  | the exit interface is in passive mode and EIGRP advertisements are blocked |   Final del formulario |
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| [**14**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | The **show ip eigrp topology** command output on a router displays a successor route and a feasible successor route to network 192.168.1.0/24. In order to reduce processor utilization, what does EIGRP do when the primary route to this network fails? | | |  | The router sends query packets to all EIGRP neighbors for a better route to network 192.168.1.0/24. | |  | The DUAL FSM immediately recomputes the algorithm to calculate the next backup route. | |  | Packets that are destined for network 192.168.1.0/24 are sent out the default gateway instead. | |  | The backup route to network 192.168.1.0/24 is installed in the routing table. |   Final del formulario |
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| [**15**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/1275.jpg Host 192.168.1.66 in the network illustrated is unable to ping host 192.168.1.130. How must EIGRP be configured to enable connectivity between the two hosts? (Choose two.) | | |  | R1(config-router)# **network 192.168.1.128** | |  | R1(config-router)# **auto-summary** | |  | R1(config-router)# **no auto-summary** | |  | R2(config-router)# **no auto-summary** | |  | R2(config-router)# **auto-summary** | |  | R2(config-router)# **network 192.168.1.64** |   Final del formulario |
| [**16**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | In which of the following tables does the EIGRP DUAL algorithm store the primary route to a destination? (Choose two.) | | |  | routing | |  | topology | |  | neighbor | |  | path | |  | shortest path |   Final del formulario |
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| [**17**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | Which of the following types of routes will be denoted by *EX* in EIGRP routing table entries? (Choose two.) | | |  | routes learned from other routing protocols | |  | routes learned from any non-adjacent EIGRP routers | |  | any route with a hop count metric higher than 224 | |  | EIGRP routes that originate in different autonomous systems | |  | all passive routes in the routing table |   Final del formulario |
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| [**18**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | In the command **router eigrp 20**, what is the purpose of the number 20? | | |  | specifies the administrative distance for all EIGRP routes | |  | identifies the autonomous system number this EIGRP process will advertise | |  | determines what metric is added to all advertised routes | |  | indicates the number of addresses in the EIGRP routing domain |   Final del formulario |
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| [**19**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/15638.jpg Refer to the exhibit. Based on the output of **show ip eigrp neighbors**, what are two possible problems with adjacencies between Router1 and Router2? (Choose two.) | | |  | The routers are configured with different EIGRP process IDs. | |  | Automatic summarization was disabled. | |  | The hello timer for R1 was altered. | |  | The serial interfaces for both routers are in different networks. | |  | No feasible successors were found. |   Final del formulario |
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| [**20**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | Which of the following statements describes the bounded updates used by EIGRP? | | |  | Bounded updates are sent to all routers within an autonomous system. | |  | Partial updates are sent only to routers that need the information. | |  | The updates are sent to all routers in the routing table. | |  | Updates are bounded by the routers in the topology table. |   Final del formulario |
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| [**21**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | What administrative distance would a router assign to a default route in EIGRP that is learned from a source external to the autonomous system? | | |  | 1 | |  | 5 | |  | 70 | |  | 90 | |  | 170 | |  | 190 |   Final del formulario |
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| [**22**](http://assessment.netacad.net/virtuoso/delivery/pub-doc/exam.shtml) | Principio del formulario   |  |  | | --- | --- | | http://assessment.netacad.net/assessment/images/15631.jpg Refer to the exhibit. Network 192.168.0.0/28 goes down. What type of packet does Router2 immediately send to Router1 and Router3? | | |  | a query for network 192.168.0.0/28 | |  | an acknowledgment packet to 224.0.0.9 | |  | an update packet that is sent to 255.255.255.255 | |  | a packet that contains the new routing table for R2 | |  | unicast update packets to 192.168.1.1 and 192.168.2.1 |   Final del formulario |