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**Cisco Implementing Cisco IP Routing Exam**

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# Version: 41.0

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**Question: 1**

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A network engineer is enabling RIPng on a new customer link. Under which configuration mode is RIPng enabled?

- A. Global
- B. Router
- C. Interface
- D. IPv6

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**Answer: A**

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**Question: 2**

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Which three algorithms can you configure with the ip cef load-sharing algorithm command?(choose three)

- A. per-packed
- B. Tunnel
- C. per-destination
- D. Universal
- E. Per-source
- F. Include-port

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**Answer: BDF**

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**Question: 3**

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How big is the smallest packet that will always be fragmented on a standard Ethernet network with default configuration?

- A. 1500 bytes
- B. 1800 bytes
- C. 2048 bytes
- D. 2100bytes

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**Answer: A**

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**Question: 4**

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Where must a network engineer configure the ip helper-address command on a router?

- A. On the interface that will receive the broadcast
- B. On the interface that is closest to the destination DHCP server
- C. On the global configuration mode
- D. On the DHCP configuration

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**Answer: A**

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**Question: 5**

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Which STP feature can reduce TCNs on ports that are connected to end devices?

- A. BPDU guard
- B. Root guard
- C. PortFast
- D. BackboneFast

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**Answer: C**

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**Question: 6**

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DRAG DROP

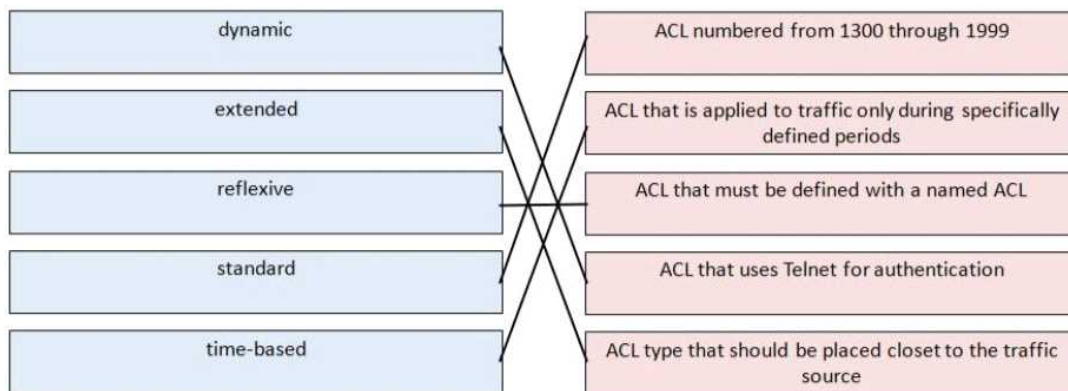
Drag and drop the ACL types from the left onto the correct description on the right.

dynamic	ACL numbered from 1300 through 1999
extended	ACL that is applied to traffic only during specifically defined periods
reflexive	ACL that must be defined with a named ACL
standard	ACL that uses Telnet for authentication
time-based	ACL type that should be placed closet to the traffic source

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**Answer:**

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**Question: 7**

What does stateful NAT64 do that stateless NAT64 does not do?

- A. Stateful NAT64 maintains bindings of IPv4 to IPv6 link-local addresses.
- B. Stateful NAT64 translates IPv4 to IPv6.
- C. Stateful NAT64 translates IPv6 to IPv4.
- D. Stateful NAT64 maintains bindings or session state while performing translation.

**Answer: D**

**Question: 8**

Refer to the exhibit.



You notice that traffic from R1 to the 192.168.10 0/24 network prefers the path through R3 instead of the least-cost path through R2. What is the most likely reason for this route selection?

- A. OSPF prefers external routes over interarea routes.
- B. OSPF prefers interarea routes over intra-area routes.
- C. OSPF prefers external routes over intra-area routes.
- D. OSPF prefers intra-area routes over interarea routes

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**Answer: D**

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**Question: 9**

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Which IP SLA operation can be used to simulate voice traffic on a network?

- A. CP connect
- B. UDP-jitter
- C. ICMP-echo
- D. ICMP-jitter

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**Answer: B**

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**Question: 10**

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10. Device R1 has 1 Gigabit and 10 Gigabit Ethernet interfaces, which command do you enter so that it takes full advantage of OSPF costs?

- A. R1(config router) #auto-cost reference-bandwidth 10000
- B. R1(config route-map) #set metric 10000000000
- C. R1(config if) #ip ospf cost 10000
- D. R1(config router) #auto-cost reference-bandwidth 10000000000
- E. R1(config if) #ip ospf cost 10000000000
- F. R1(config route-map) #set metric 10000

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**Answer: A**

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