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Question: 1
You have decided to change the IP address of the inside network on a Cisco 800 broadband routing using CRWS to 192.168.5.0/24 with an IP address on the router's inside interface of 192.168.5.1/24. You have made no manual changes to the configuration. What will the IP addressing look like on the router on the inside interface?

A. There will be one address on the inside interface of 192.168.5.1
B. There will be a 10.x.x.x address on the inside interface as a primary and 192.168.5.1 will be secondary.
C. There will be a 192.168.5.1 address on the inside interface as a primary and a 10.x.x address as secondary.
D. There will be a 10.x.x.x address on the main inside interface and a sub-interface will have been created with the 192.168.5.1 address installed on it.

Answer: B

Question: 2
Which process plays a major role the creation of the CEF adjacency table?

A. Address Resolution Protocol RRP
B. PDU header rewrite
C. NetFlowswitching
D. Hello packet exchange

Answer: A

Question: 3 DRAG DROP
Match the MultilayerSwitchingterm to the correct definition.

Select from these
- MLS SE
- MLS Flow
- MLSP
- MLS RP

Definition
- Cisco device with a route processor that supports MLS
- Sequence of packets that share Layer 3 and Layer 4 information
- Protocol used to communicate MLS information
- Maintains a Layer 3 switching table (Layer 3 MLS cache)

Place here
- Place here
- Place here
- Place here

Answer:
**Question: 4**
Which statement about multilayer switching is true?

A. All Layer 3 routing logic is executed in ASICs on the switch.
B. The MLS switch software is enhanced to take over all functions of the router.
C. The switch caches the ARP table, routing table, and access lists with frequent updates from the router.
D. The MLS switch compares incoming packets with cached Layer 3 information and forwards it to the appropriate port.

**Answer: D**

**Question: 5**
What is the default aging time for MLS cache entries for which a flow is established?

A. 3 seconds
B. 64 seconds
C. 128 seconds
D. 256 seconds
E. 300 seconds

**Answer: D**

**Question: 6**
What is the purpose of multilayer switching XTAGs?

A. To associate an access list to a connection.
B. To assign a switch port to an incoming packet.
C. To distinguish different flows from a single source.
D. To distinguish the MAC addresses of multiple MLS-RPs.

**Answer: D**

**Question: 7**
Which multilayer switching concept determines how entries are created in the MLS cache?

A. HSRP
B. XTAGs
C. Trunking
D. Flow masks
E. Tag switching
Question: 8  The multilayer switching process is based on which concept?
A. Switch once, route many
B. Route once, switch many
C. Route when you can, switch when you must
D. Separate the functions of routing and switching
Answer: B

Question: 9  Which three are contained in MLS-RP advertisements? (Choose three)
A. Topology changes
B. ARP cache changes
C. Access list information
D. Route additions and deletions
E. The MAC addresses used by the MLS-RP interfaces
Answer: C, D, E

Question: 10  When does the MLS-SE create a candidate MLS cache entry? (Choose two)
A. When it receives a TCP SYN packet.
B. When an MSL cache entry did not exist for the flow.
C. When the frame was destined for the MLS-RP MAC address.
D. After it forwards a pre-determined number of frames for the same flow.
E. When it receives an MLSP message from the MLS-RP to create a candidate entry.
Answer: B, C

Question: 11  Which Native IOS feature supports a forwarding approach that eliminates the supervisor from touching a frame for forwarding decisions?
A. FIB
B. MLS
C. CEF
D. DCEF
Answer: C

Question: 12  Using switch clustering, how many ports can users manage from a single IP address?
A. 240
B. 380
C. 500
D. 680
E. 800
Answer: B

Explanation:
With Cisco Switch Clustering, users can manage over 380 ports from a single IP address, and connect up to 16 switches, regardless of physical location, with a broad range of Ethernet, Fast Ethernet, and Gigabit Ethernet media.

Reference:

Question: 13
Which statement describes the term “multilayer switching”?

A. Switches that operate at the access, distribution, and core layer of the design model
B. An OSI Layer 1 and 2 bridging technique
C. A technique to provide hardware switching of Layer 3 unicast packets
D. A flow-based Layer 3 packet routing methodology

Answer: C

Question: 14.
Which command configures a default gateway on a Catalyst 3500XL switch?

A. Switch(config) ip route ip address
B. Switch(config) set ip route address
C. Switch(config) ip route-default-gateway ip address
D. Switch(enable) set default-gateway ip address

Answer: D

Question: 15
Which method of layer 3 switching uses a forwarding information base (FIB)?

A. Route caching
B. Flow-based switching
C. Demand-based switching
D. Topology-based switching

Answer:
D Note: CEF is a topology-based forwarding model in which all routing information is prepopulated into a forwarding information base (FIB). As a result of the prepopulation of routing information, Catalyst switches can quickly look up routing information such as IP adjacencies and next-hop IP and MAC addresses.

Question: 16
What does a half-open TCP session on the Cisco IOS Firewall mean?

A. Session was denied.
B. Firewall detected return traffic.
C. Session has not reached the established state.
D. Three-way handshake has been completed.

Answer: C

Question: 17
What does CBAC on the Cisco IOS Firewall do with the application-layer protocol session information it gets from TCP and UDP packets?
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