

**Exam : Cisco 642-067**

**Title : Advanced Routing and  
Switching for Field Engineers**

**Version : v11.21**

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1. Why is it appropriate to use conditional label advertising when deploying MPLS?

Select the best response.

- A. to make CEF tables smaller
- B. to enable label switching on the frame mode interface
- C. to restrict MPLS availability to predefined time periods
- D. to restrict label switching to a limited number of networks
- E. to restrict end users from seeing the routers in the MPLS network

Answer: D

2. Which three of the following steps are mandatory when configuring MPLS on Cisco IOS? (Choose three.)

Select 3 response(s).

- A. start LDP
- B. enable CEF switching
- C. configure the MPLS ID
- D. disable IP TTL propagation
- E. configure conditional label advertising
- F. enable label switching on frame mode interfaces

Answer: ABF

3. How are RIP routing contexts implemented in MPLS VPN?

Select the best response.

- A. RIP does not support routing contexts
- B. routing contexts are implemented in a single routing process
- C. routing contexts are implemented using multiple routing processes
- D. routing contexts are implemented as several instances of a single routing process
- E. routing contexts are implemented as a single instance of several routing processes

Answer: D

4. Which two of the following statements are true about HSRP load sharing? (Choose two)

Select 2 response(s).

- A. It is achieved by using more than one HSRP group.
- B. It is done in regards to either round robin or weight basis.
- C. It is used to offload the active router in a certain HSRP group.
- D. Single group HSRP is used to achieve more efficient link utilization.
- E. The return traffic is influenced by HSRP load sharing configuration.

Answer: AC

5. Which of the following statements about authentication responses and conditions is true? (Choose two.)

Select 2 response(s).

- A. When a router receives a failure response, it stops querying authentication methods.
- B. When a router receives an error response, it stops querying authentication methods.
- C. If the router receives a failure response from an authentication method, it queries the next method.

- D. The router does not differentiate between failure and error responses; the authentication process is always interrupted.
- E. If it receives no response from the authentication method, a router will determine the error condition on its own; the router also has the option to proceed to the next method in a list if configured accordingly.

Answer: AE

6. When you issue the logging trap informational command, what happens?

Select the best response.

- A. An information trap is sent to the SNMP server.
- B. Informational and debug messages are logged to the syslog server.
- C. All messages are sent to the logging host, where selections are made.
- D. All messages from emergencies to informational are sent to the logging host.

Answer: D

7. Refer to the exhibit. This shows the NetFlow statistics for a router. You are analyzing the traffic pattern and you are interested in the percentage of packets between 32 and 64 bytes in size and the number of flows in progress. Which of these identifies both numbers correctly?

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Select the best response.

- A. 69.4%, 4061
- B. 24.9%, 980
- C. 69.4%, 35
- D. 6.94%, 980
- E. cannot be determined from this output

Answer: C

8. Refer to the exhibit. Which of the following statements is true?

Select the best response.

```
router bgp 65000
  bgp log-neighbor-changes
  neighbor 10.11.1.187 remote-as 65001
  neighbor 10.11.1.187 update-source Loopback0
  bgp graceful-restart
```

- A. BGP NSF awareness is enabled
- B. SSO for BGP NSF capability is enabled
- C. BGP graceful restart awareness is enabled
- D. 10.11.1.187 is configured as an NSF-capable BGP neighbor

Answer: A

9. What will happen if you issue the redundancy force-switchover command on a Catalyst 6500 Series Switch with redundant supervisor modules?

Select the best response.

- A. reset of the primary supervisor
- B. manual switchover from standby to active supervisor
- C. manual switchover from active to standby supervisor

D. automatic switchover from active to standby on primary supervisor failure

Answer: C

10. You are considering deploying the Cisco SSL VPN AIM module in a Cisco 1800 Series Router. Which benefit should you expect?

Select the best response.

A. to improve performance exclusively for SSL VPN applications

B. to improve performance up to 300% for both IPsec and SSL VPN applications

C. to improve performance for both IPsec and SSL VPN applications with IPsec encryption taking place in hardware

D. to improve performance up to 200% for both IPsec and SSL VPN applications with encryption taking place in hardware

E. to improve performance up to 300% for both IPsec and SSL VPN applications with SSL encryption taking place in hardware

Answer: D

11. During which phase is a proposal developed and delivered?

Select the best response.

A. Prepare

B. Plan

C. Design

D. Operate

Answer: A

12. Which of these correctly identifies the six phases of the Cisco Lifecycle Services framework?

Select the best response.

A. Prepare, Plan, Create, Implement, Operate, and Improve

B. Prepare, Plan, Design, Implement, Operate, and Optimize

C. Prepare, Plan, Design, Apply, Operate, and Manage

D. Prepare, Plan, Design, Implement, Operate and Manage

Answer: B

13. In which phase is a systems acceptance test plan developed and documented?

Select the best response.

A. Implement

B. Design

C. Prepare

D. Operate

Answer: B

14. In which service component of the optimize phase would you assess the routing and switching system and recommend activities such as optimizing device configurations, capacity planning, or traffic analysis?

Select the best response.

A. Change Management

B. Security Assessment

C. Operations Assessment

- D. Security Administration
- E. Operations Readiness Assessment
- F. Technology Assessment

Answer: F

15. Which tool enables easy configuration and monitoring of Cisco ISRs?

Select the best response.

- A. Cisco MWAM
- B. Cisco SDM
- C. Cisco NAC Appliance
- D. Cisco Unified Communications Manager Express

Answer: B

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