



[Cisco 646-057](#)

Exam Name: Access Routing and LAN Switching Routing and Switching AM Exam

Q & A : 120 Q&As

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1. VLANs are characterized by _____. (Choose two.)
- A. a Layer 2 foundation
 - B. a Layer 3 foundation
 - C. logical subsets of devices within a MAC-bridged LAN
 - D. physical subsets of devices within a MAC-bridged LAN

Answer: AD

2. In a large campus design, the server aggregation complex is best served by which Cisco Catalyst switches?

- A. Catalyst 3550 or Catalyst 4000
- B. Catalyst 4000 or Catalyst 8500
- C. Catalyst 4000 or Catalyst 6500
- D. Catalyst 6500 or Catalyst 8500

Answer: D

3. The Gigastack GBIC may be used to cascade up to _____ Catalyst 2950 and/or 3550 switches.

- A. 6
- B. 7
- C. 8
- D. 9

Answer: D

4. Which Cisco product is the highest performance 1 RU router on the market?

- A. Cisco 7140
- B. Cisco 7202VXR
- C. Cisco 7304
- D. Cisco 7401

Answer: D

5. What must a Catalyst 4006 have to support inline power required for IP telephones and wireless access points? (Choose three.)

- A. an RPS 300
- B. a commercial uninterruptible power supply (UPS)
- C. an external power shelf with at least two power supplies
- D. a Power Entry Module (PEM) in the existing power bay of the 4006
- E. the switching line card that supplies power to the phone or access points over category 5 cabling

Answer: CDE

6. Why are advanced QoS features often implemented on multiservice WAN links?

- A. to minimize delay and reduce jitter for voice traffic
- B. to eliminate jitter for high priority data applications
- C. to avoid packet fragmentation and prioritize large packet flows
- D. to complement advanced security features implemented on the LAN

Answer: A

7. In the Catalyst 6500, what provides support for analog voice devices and fax machines?

- A. FlexWAN Module
- B. 24-port FXS Module
- C. VG200 Gateway Card
- D. Access Gateway Module

Answer: B

8. What are the two main enhancements to the new Cisco 2800/3800 Integrated Services Router platforms? (Choose two.)

- A. built-in voice services
- B. integrated security features
- C. 100 percent WIC backward compatibility
- D. 100 percent NM backward compatibility
- E. NME-X slots to support the PVDM2 modules

Answer: AB

9. Why is IEEE 801q important to Cisco?

- A. It is the industry standard for end-to-end QoS.
- B. It allows Cisco IOS software to run on non-Cisco equipment.
- C. It extends Cisco QoS to non-Cisco equipment on a session basis.
- D. It allows Cisco QoS to interact seamlessly on non-Cisco equipment.

Answer: D

10. In a large campus network, which are the most appropriate product choices for the distribution and the core?

- A. Catalyst 6500 for distribution; Catalyst 6500 or 8500 for the core
- B. Catalyst 3550 for distribution; Catalyst 6500 or 8500 for the core
- C. Catalyst 4000 for distribution; Catalyst 4000 or 6500 for the core

D. Catalyst 2950 for distribution; Catalyst 3550 or 6500 for the core

Answer: A

11. What are two characteristics of Layer 3 switches not usually found in traditional routers? (Choose two.)

- A. Packet forwarding function is done in hardware (ASICs).
- B. They provide high-speed switching and high interface density.
- C. They support a broad range of protocols for WAN aggregation.
- D. A variety of metrics stored in ASICs is used for path determination.

Answer: AB

12. What is the maximum number of telephones supported by the Cisco 3845 Integrated Services Router using Cisco CallManager Express 3.2?

- A. 200
- B. 210
- C. 220
- D. 240

Answer: D

13. Which two components are included with every Cisco Integrated Services Router entry-level security bundle? (Choose two.)

- A. router
- B. AIM-VPNII
- C. PVDM
- D. Cisco IOS Advanced Security
- E. Cisco CallManager Express license

Answer: AD

14. What is employed in stack configuration connections to insure against a single point of failure?

- A. GBIC spanners
- B. redundant GBICs
- C. a star configuration
- D. loopback connections

Answer: D

15. Which product available for the Catalyst 6500 switch can be used to perform network engineering planning, design modifications, capacity planning, and fault isolation?

- A. CWSI
- B. CiscoView
- C. CiscoWorks 2000
- D. Network Analysis Module (NAM)

Answer: D

16. Which Catalyst 6500 architecture is most appropriate for enterprise customers that require a lot of bandwidth?

- A. cache-based switching
- B. distributed cache-based switching
- C. distributed Cisco Express Forwarding-based switching
- D. centralized Cisco Express Forwarding-based switching

Answer: D

17. What does the Catalyst 6500 Network Analysis Module (NAM) do? (Choose two.)

- A. gives real-time traffic analysis
- B. relays network host performance metrics
- C. provides full WAN performance monitoring
- D. provides application performance monitoring
- E. runs outside the switch on Cisco's nGenius Real Time Monitor Server

Answer: AD

18. Which statement about TACACS is true?

- A. TACACS is designed to prevent unauthorized switch throughput activity.
- B. TACACS is a security protocol that monitors network access to the Internet.
- C. TACACS is a VPN access protocol that secures a specific campus LAN segment.
- D. TACACS controls who can access a router in a privileged or non-privileged mode.

Answer: D

19. Which two are characteristics of Cisco switches with routing capabilities? (Choose two.)

- A. high WAN port density
- B. Layers 2 and 4-7 switching
- C. normally used at the network core
- D. high level of performance per port

Answer: CD

20. Which campus network component can dynamically decide whether to route or switch incoming traffic based on data link and network addresses?

- A. router
- B. Layer 2 switch
- C. Layer 3 switch
- D. PXF processor

Answer: C

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