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Exam : **646-057**

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

Version : DEMO

1. 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

2. Why is IEEE 802.1q 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

3. 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

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. 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

6. 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

7. 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

8. 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

9. 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

10. 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

11. 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

12. 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

13. 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

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 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

16. 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

17. 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

18. 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

19. 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

20. 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