

642-061 Access Routing and LAN Switching Cisco Routing and Switching Solutions for System Engineers

Practice Exam: 642-061 Exams

Exam Number/Code: 642-061

Exam Name: Routing and Switching Solutions for System Engineers

Questions and Answers: 68 Q&As

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Exam : Cisco 642-061

Title : Routing and Switching Solutions for System Engineers

1. Your client is adding a new R&D facility to its existing, three-building corporate campus. The new building will be four stories high and house from 150 to 400 employees. The client would like to deploy IP communications to this building and connect it to the existing campus TDM phone system. The new building will use collaborative workspaces for each team, and it will require that each team member have the flexibility to move among work areas yet remain connected to the network and receive phone calls. Which four technologies will be applicable here?

(Choose four.)

- A. wireless
- B. switching
- C. security
- D. storage
- E. PoE
- F. AONS

Answer: ABCE

2. Which supervisor module can be used in the Cisco Catalyst 4510R chassis?

- A. Supervisor II-Plus
- B. Supervisor IV
- C. Supervisor V-10GE
- D. Supervisor II-TS

Answer: C

3. Which three of the following characteristics are network fundamentals that provide WAN and LAN connectivity in the Integrated Services layer of the branch office design model? (Choose three.)

- A. scalability
- B. performance
- C. management
- D. high availability
- E. quality of service
- F. IP addressing and routing

Answer: DEF

4. You have been given a contract to redesign a customer's network in order to provide support for emerging technologies like VoIP and video services. In order to more effectively identify this customer's needs, you would like to analyze the traffic in its existing network. Which two tools in Cisco IOS can you use to perform this analysis?

(Choose two.)

- A. RMON probes
- B. NBAR
- C. access control lists

- D. NetFlow
- E. embedded device manager

Answer: BD

5. In a Cisco Catalyst 6509 Switch, in which slots can the Sup2 card be installed?

- A. any slot
- B. slots 1 and 2
- C. slots 3 and 4
- D. slots 5 and 6
- E. slots 1 through 9

Answer: D

6. Your network includes a Cisco Catalyst 6500 Switch with an FWSM module. You need Layer 2 connectivity between two routers located on different firewall interfaces. Which feature will you need in order to provide this connectivity?

- A. router mode
- B. virtual firewall
- C. stateful firewall
- D. transparent mode
- E. two FWSM modules in failover mode

Answer: D

7. You have been given a contract to consolidate the Cisco Catalysts 6500 services available at the headquarters office of Acme Enterprises. The Acme Enterprises management team wants to deploy application infrastructure control, security, and simplicity in design. Which Cisco Catalyst service module should you recommend?

- A. IDS module
- B. Content Services Module with SSL
- C. Network Analysis Module
- D. Anomaly Guard Module
- E. ACE module

Answer: E

8. Which Cisco Catalyst 6500 Series Switch supervisor module should you select in order to allow service providers to deploy MPLS and achieve high throughput?

- A. Supervisor 32
- B. Supervisor 720
- C. Supervisor 1A
- D. Supervisor 2

Answer: B

9. Refer to the exhibit. Given the network topology, what function is OSPF Router E performing?

- A. internal router
- B. area border router
- C. stub router
- D. autonomous system border router

Answer: D

10. What queue-scheduling algorithm does the Optical Services Module PXF use to provide QoS features?

- A. FIFO
- B. Modified Deficit
- C. Weighted Round Robin
- D. Versatile Traffic Management Services

Answer: D

11. Which two types of mechanisms can be used to provide load balancing across parallel links in a redundant campus network? (Choose two.)

- A. QoS
- B. HSRP
- C. VRRP
- D. 802.1Q
- E. EtherChannel link aggregation
- F. Cisco Express Forwarding load balancing

Answer: EF

12. The servers belonging to your customer were recently infected with the Blaster virus. Which Cisco product will help prevent this kind of virus propagation?

- A. CSA
- B. PIX
- C. CUE
- D. CME

Answer: A

13. Refer to the exhibit.

Which network is characterized by the output from the show cdp neighbors command?

- A. Network 1
- B. Network 2
- C. Network 3
- D. Network 4

Answer: A

14. You have a customer that is looking to mitigate DDOS attacks. Which two of the following Cisco security products would you recommend to meet this need? (Choose two.)

- A. Cisco IPS
- B. Cisco ASA
- C. Cisco IOS Firewall
- D. Cisco Anomaly Guard Module
- E. Cisco Firewall Services Module
- F. Cisco Traffic Anomaly Detector Module

Answer: BD

15. What are the two main benefits of using VSANs as opposed to zoning? (Choose two.)

- A. increased capacity
- B. increased availability
- C. increased performance
- D. increased geographical reach
- E. increased manageability and scalability

Answer: BE

16. Which three of these are features of the Cisco Catalyst 4900 Series Switches? (Choose three.)

- A. one RU
- B. stackable
- C. fixed configuration
- D. Power over Ethernet
- E. redundant power supplies
- F. Layer 2 through Layer 7 switching capabilities

Answer: ACE

17. Refer to the exhibit. The network is running the EIGRP routing protocol. Distribution router 1 loses the link to the corporate network. How should the remote spoke router be configured to prevent it from being the next-lowest-cost path to network 10.3.1.0?

- A. Disable split horizon.
- B. Configure it as an EIGRP stub router.
- C. Enable route filtering.
- D. Configure a floating static route to network 10.3.1.0.

Answer: B

18. Which is a reliable network auditing methodology for discovering applications on the network and their usage characteristics?

- A. Interview system administrators regarding the networked applications.
- B. Conduct a network usage study over a given period of time.
- C. Place a sniffer device on the network to grasp a snapshot of traffic on the network.
- D. Conduct a network inventory of servers and applications installed on them.

Answer: B

19. In the Cisco Catalyst 6500-E Series chassis, what are three key chassis specifications? (Choose three.)

- A. requires Cisco IOS 12.2(1)SXD and beyond
- B. three-slot chassis supports CEF720 line cards
- C. is backward-compatible with all existing software versions
- D. six- and nine-slot chassis support only 6000-W power supplies
- E. supports all existing supervisors, line cards, switch fabrics, and software releases

Answer: BCE

20. Which layer in a hierarchical network is considered optional in smaller campus networks?

- A. access
- B. distribution
- C. core
- D. remote
- E. DMZ
- F. aggregation

Answer: C

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