

Exam : Cisco 642-871

**Title : Cisco Designing Cisco
network Service
Architectures (ARCH)**

Version : Demo



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1. Which action indicates the optimal level of functional process recovery in a high availability architecture?

- A. Failure of a networking component is automatically detected.
- B. The end-users are unaware that a failure has occurred.
- C. The ailing component fails-over to an alternate component.
- D. Automated alert mechanisms generate a dispatch for service.
- E. Monitoring tools generate alert messages when a less than optimal condition occurs

Answer: B

2. Which IP NAT implementation allows IPSec peers to establish a connection through a NAT device?

- A. PAT
- B. NAT-T
- C. Dynamic NAT
- D. IPSec ESP NAT

Answer: B

3. Choose the technology required for a VPN when multicast, broadcast, and non IP packets need to be tunneled.

- A. triple-DES
- B. IPSec
- C. GRE
- D. IKE
- E. ISAKMP

Answer: C

4. Which Layer 3 protocol is used to provide data integrity, privacy, and security on a IP based VPN?

- A. GRE
- B. MD5
- C. PKI
- D. IPSec
- E. L2TP

Answer: D

5. Which VPN management feature would be considered to ensure that the network had the least disruption of service when making topology changes?

- A. dynamic reconfiguration
- B. path MTU discovery
- C. auto setup
- D. remote management

Answer: A

6. What happens when packets traversing the network exceed the MTU of an IPSec/VPN interface?

- A. They trigger a link failure.
- B. They are all discarded and re-transmitted.
- C. They are unable to be sent.
- D. They become fragmented

Answer: D

7. You are asked to design a VPN for a medium sized company. The company has 12 stationary offices and one main office. Each office is more than 80 miles away from the next. What type of VPN would you design for this situation?

- A. remote access VPN
- B. site to site VPN
- C. enterprise remote access VPN
- D. wireless VPN

Answer: B

8. Which Cisco Works VPN/Security Management Solution gives administrators access to devices showing real-time status along with operational and configuration functions through a web browser?

- A. VPN Monitor
- B. CSPM
- C. Resource Manager (RME)

- D. Cisco View
- E. IDS Host Sensor

Answer: D

9. Which two statements are true regarding a Cisco wireless LAN? (Choose two.)

- A. Only IP can be transmitted over a wireless LAN.
- B. All stations in a wireless cell share the bandwidth.
- C. Wireless LANs use CSMA/CD access method.
- D. Only one station can send at any one time.
- E. Wireless LANs use a token sharing access method

Answer: BD

10. What helps maximize throughput in a wireless LAN? (Choose two.)

- A. minimize broadcasts
- B. enable IPSec
- C. increase size of roaming domains
- D. use static WEP
- E. filter multicast traffic

Answer: AE

11. What is the frequency and maximum data rate of 802.11b?

- A. 5 GHz frequency and 2.4 Mbps data
- B. 5 GHz frequency and 54 Mbps data
- C. 2.4 GHz frequency and 1.44 Mbps data
- D. 2.4 GHz frequency and 11 Mbps data
- E. 1.44 GHz frequency and 2.4 Mbps data

Answer: D

12. What is the frequency and maximum data rate of 802.11a?

- A. 5 GHz frequency and 54 Mbps data

- B. 5 GHz frequency and 10 Mbps data
- C. 2.4 GHz frequency and 10 Mbps data
- D. 2.4 GHz frequency and 64 Mbps data
- E. 12 GHz frequency and 12 Mbps data

Answer: A

13. Which IEEE wireless standard provides backward compatibility with 802.11b?

- A. 802.11a
- B. 802.1q
- C. 802.11g
- D. 802.11p

Answer: C

14. What is the recommended maximum number of clients that an individual wireless access point should support?

- A. between 1 and 8
- B. between 10 and 30
- C. between 32 and 48
- D. between 64 and 96

Answer: B

15. What can be done to ensure connections to workstations that are placed on the edge of a wireless access point's coverage area?

- A. lower data rates
- B. increase data rates
- C. group access point frequency channels together for increased range
- D. enable multicasting

Answer: A

16. What can be done to limit area coverage of a wireless access point to provide added security?

- A. lower Mbps data rates
- B. increase Mbps data rates
- C. group access point frequency channels
- D. enable multicasting

Answer: B

17. Which protocol can be used to provide WLAN redundancy and low downtime?

- A. EAP
- B. SNMP
- C. WEP
- D. HSRP

Answer: D

18. What is the maximum number of IP phones recommended per wireless access point?

- A. 7
- B. 15
- C. 33
- D. 35
- E. 40

Answer: A

19. What can be implemented on a LAN to speed up services for external users and minimize the load on network servers?

- A. VPN networking
- B. CSPM
- C. content networking
- D. fault tolerance

Answer: C

20. Which of the following is a web-browser based tool designed to provide administrative access for

content networking?

- A. Content Distribution Manager (CDM)
- B. Self-Organizing Distributed Architecture (SODA)
- C. Web Cache Communication Protocol (WCCP)
- D. Cisco CallManager
- E. Hypertext Administration Design (HAD)

Answer: A



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