

Cisco Certified Network Associate (CCNA)

1. What is one reason that WPA encryption is preferred over WEP?

A. A WPA key is longer and requires more special characters than the WEP key.

B. The access point and the client are manually configured with different WPA key values.

C. WPA key values remain the same until the client configuration is changed.

D. The values of WPA keys can change dynamically while the system is used.

Answer(s): D

2. Given an IP address 172.16.28.252 with a subnet mask of 255.255.240.0, what is the correct network address?

A. 172.16.28.0

B. 172.16.16.0

C. 172.16.0.0

D. 172.16.24.0

Answer(s): B

3. Which layer of the OSI reference model uses flow control, sequencing, and acknowledgments to ensure that reliable networking occurs?

A. physical

B. transport

C. network

D. data link

E. presentation

Answer(s): B

4. Which item represents the standard IP ACL?

A. access-list 50 deny 192.168.1.1 0.0.0.255

B. access-list 110 permit ip any any

C. access-list 101 deny tcp any host 192.168.1.1

D. access-list 2500 deny tcp any host 192.168.1.1 eq 22

Answer(s): A

5. Which type of cable is used to connect the COM port of a host to the COM port of a router or switch?

A. crossover

B. straight-through

C. shielded twisted-pair

D. rolled

Answer(s): D

6. Refer to the output of the corporate router routing table shown in the graphic.

A. It will encapsulate the packet as Frame Relay and forward it out interface Serial 0/0.117.

B. It will discard the packet and send an ICMP Destination Unreachable message out interface FastEthernet 0/0.

C. It will forward the packet out interface Serial 0/1 and send an ICMP Echo Reply message out interface serial 0/0.102.

D. It will change the IP packet to an ARP frame and forward it out FastEthernet 0/0.

Answer(s): B

7. Workstation A has been assigned an IP address of 192.0.2.24/28. Workstation B has been assigned an IP address of 192.0.2.100/28. The two workstations are connected with a straight-through cable. Attempts to ping between the hosts are unsuccessful. What are two things that could be attempted that would allow communications between the hosts? (Choose two.)

A. Change the subnet mask of the hosts to /25.

B. Change the address of Workstation B to 192.0.2.111.

C. Change the subnet mask of the hosts to /26.

D. Replace the straight-through cable with a crossover cable.

E. Change the address of Workstation A to 192.0.2.15.

Answer(s): A,D

8. Which two are advantages of static routing when compared to dynamic routing?

A. Route summarization is computed automatically by the router

B. An efficient algorithm is used to build routing tables, using automatic updates

C. Routing updates are automatically sent to neighbors

D. Routing tables adapt automatically to topology changes.

E. Configuration complexity decreases as network size increases

F. Routing traffic load is reduced when used in stub network links

G. Security increases because only the network administrator may change the routing table

Answer(s): F,G

9. Which IP address can be assigned to an Internet interface?

A. 192.168.20.223

B. 10.180.48.224

C. 9.255.255.10

D. 172.16.200.18

Answer(s): C

10. The switches shown in the diagram.

A. Core2(config)# ip route 0.0.0.0 0.0.0.0 192.168.1.8

B. Core2(config)# ip default-gateway 192.168.1.9

C. Core2(config)# line con 0 Core2(config-line)# password cisco

D. Core2(config)# interface vlan 1 Core2(config-if)# ip address 192.168.1.11 255.255.255.248

E. Core2(config)# interface f0/0 Core2(config-if)# ip address 192.168.1.10 255.255.255.248

F. Core2(config)# line vty 0 4 Core2(config-line)# password cisco

Answer(s): B,D,F

11. Refer to the exhibit. In the communication between host 1 and host 2 over the point-to-point WAN,

A. IP

B. T1

C. ppp

D. IEEE 802.3

Answer(s): A

12. Use the output from the router shown in the graphic above to determine which of the following are correct. (Choose two.)

A. Router John uses a link-state routing protocol.

B. Router John will send routing updates out the FastEthernet0/0 interface.

C. Router John will receive routing updates on the Serial0/1 interface.

D. Router John will send routing updates out the Serial0/0 interface.

E. Router John will send routing updates out the Serial0/1 interface.

F. Router John will receive routing updates on the Serial0/0 interface.

Answer(s): D,F

13. Refer to the exhibit. Which value will be configured for Default Gateway of the Local Area Connection?

A. 10.0.0.254

B. 10.0.0.0

C. 192.223.129.254

D. 192.223.129.0

Answer(s): A

14. On the network 131.1.123.0/27, what is the last IP address that can be assigned to a host?

A. 131.1.123.30

B. 131.1.123.33

C. 131.1.123.32

D. 131.1.123.31

Answer(s): A

15. The network administrator has found the following problem.

A. no gateway of last resort on Central

B. incorrect static route for 172.16.20.0

C. 172.16.20.0 not located in Central's routing table

D. Central router's not receiving 172.16.20.0 update

Answer(s): B

16. The network 172.25.0.0 has been divided into eight equal subnets. Which of the following IP addresses can be assigned to hosts in the third subnet if the ip subnet-zero command is configured on the router? (Choose three.)

A. 172.25.78.243

B. 172.25.98.16

C. 172.25.72.0

D. 172.25.94.255

E. 172.25.96.17

F. 172.25.100.16

Answer(s): A,C,D

17. What is the purpose of the Cisco VLAN Trunking Protocol?

A. To allow native VLAN information to be carried over a trunk link

B. To provide a mechanism to manually assign VLAN membership to switch ports

C. To allow traffic to be carried from multiple VLANs over a single link between switches

D. To provide a mechanism to dynamically assign VLAN membership to switch ports

E. To allow for managing the additions, deletions, and changes of VLANs between switches

Answer(s): E

18. Which three statements about RSTP are true? (Choose Three)

A. RSTP port states are blocking, discarding, learning, or forwarding.

B. RSTP also uses the STP proposal-agreement sequence.

C. RSTP expands the STP port roles by adding the alternate and backup roles.

D. RSTP significantly reduces topology reconverging time after a link failure.

E. RSTP uses the same timer-based process as STP on point to point links.

F. RSTP provides a faster transition to the forwarding state on point-to-point links than STP does.

Answer(s): C,D,F

19. During the data transmission between hosts over a network, which process does the data experience?

A. standardization

B. conversion

C. encapsulation

D. synchronization

Answer(s): C

20. Which two security appliances will you use in a network? (Choose two.)

A. SDM

B. ATM

C. ios

D. ips

E. ids

F. iox

Answer(s): D,E

