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# **Q&A**

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**Exam** : **N10-003**

**Title** : **CompTIA Network+ (2007  
Edition) Exam**

**Version** : **Demo**

1. 221.17.101.223/28 is an example of which kind of notation?

- A. ARP
- B. CIDR
- C. DNS
- D. Port Number

**Answer: B**

2. Which of the following methods of user authentication is the MOST secure?

- A. CHAP
- B. Kerberos
- C. TACACS
- D. EAP

**Answer: B**

3. 802.11 security is defined in:

- A. 802.11a.
- B. 802.11b.
- C. 802.11g.
- D. 802.11i.

**Answer: D**

4. Which of the following is a self-assigned address based on APIPA?

- A. 169.255.1.0
- B. 169.254.1.1
- C. 192.168.1.0
- D. 192.168.1.1

**Answer: B**

5. Which of the following is true regarding NetWare Directory Services (NDS) configuration?

- A. Remote users can access the tree through dial-in connections.
- B. Mobile users do not require changing the NDS name context.
- C. Remote users do not require a special NDS object entry.
- D. There are no differences between mobile users and remote users.

**Answer: A**

6. A user connects to the companys intranet server via a VPN connection from a small office / home office (SOHO) using the broadband service. One day, the user cannot successfully connect to the VPN and receives an error message that states "Username and password are invalid on the domain." Which of the following should be done to correct this problem?

- A. Call the corporate help desk to have the VPN server rebooted
- B. Re-enter the username and password in the VPN connection and reconnect
- C. Call the broadband Internet provider to replace the SOHO router with a newer model
- D. Ping the corporate VPN server to ensure it is online

**Answer: B**

7. When one connection to a host fails in a full mesh network, which of the following is true?

- A. All hosts can communicate.
- B. No hosts can communicate.
- C. Half of the hosts will lose communication.
- D. Only the two hosts between the failed connection will lose communication.

**Answer: A**

8. Which of the following network services is responsible for mapping names to IP addresses?

- A. DHCP
- B. DNS
- C. IMAP4
- D. Telnet

**Answer: B**

9. Which of the following would be considered a routing protocol? (Select TWO).

- A. OSPF
- B. DHCP
- C. SMTP
- D. SNMP
- E. RIP

**Answer: AE**

10. Which of the following is STP BEST identified by under the cable sheath?

- A. Number of twists in wires
- B. Number of wires
- C. Lubricant
- D. Foil

**Answer: D**

11. Ensuring that data is transmitted securely over an IP network is the main purpose of:

- A. Telnet.
- B. FTP.
- C. SIP.

D. TLS.

**Answer: D**

12. A user states that they cannot access a network shared drive. The technician has verified that the clients network cable is good. The IP address of the machine is 169.254.10.15. Which of the following is the cause of the problem?

- A. The WINS server is not resolving names properly.
- B. The DNS server is not resolving names.
- C. The DHCP server is out of IP address leases.
- D. The hosts file is corrupted.

**Answer: C**

13. A user has a small network of four computers that they want to connect to a single cable modem. Which of the following devices would allow the user to do this?

- A. Four port switch
- B. Four port wireless router
- C. Four port WAP
- D. Four port hub

**Answer: B**

14. Which of the following are valid public IPv4 addresses? (Select TWO).

- A. 10.2.127.220/16
- B. 127.0.0.1/24
- C. 212.2.17.54/16
- D. 9.2.128.254/8
- E. 127.2.126.213/24

**Answer: CD**

15. Which of the following network protocols is needed to ensure that users can type in a FQDN instead of the IP address?

- A. DNS
- B. FTP
- C. WINS
- D. IMAP4

**Answer: A**

16. An administrator is in charge of several remote servers in Japan. Users call and complain they cannot connect to the company's resources located on those servers. Which of the following commands would allow the administrator to verify the servers are running?

- A. ping
- B. netstat
- C. nbtstat
- D. telnet

**Answer: A**

17. Which of the following is the MOST common pin-out configuration used when crimping RJ-45 connectors?

- A. UTP
- B. T568A/B
- C. STP
- D. IEEE 802.5

**Answer: B**

18. A technician is installing a basic router for a SOHO network. After installing the router the PCs connected to it are not able to acquire an IP address. Which of the following did the technician fail to configure correctly?

- A. DHCP
- B. DNS
- C. WINS
- D. NAT

**Answer: A**

19. Routing convergence time is which of the following?

- A. Time required for a VPN connection to occur
- B. Time required by protocols to update their forwarding tables after changes have occurred
- C. Time required for an IDS to detect suspicious software
- D. Time required by switch ports to update their link status and transition to the forwarding state

**Answer: B**

20. A second network card in a server that activates if the primary card fails is an example of which of the following network performance optimization?

- A. Load balancing
- B. QoS
- C. High availability
- D. Fault tolerance

**Answer: D**

21. A technician notices that when trying to ping a workstation by network name the workstation does not

reply back over the network. The workstation is part of the domain and is able to get to the Internet. Which of the following is the cause of the problem?

- A. Faulty cable on the workstation
- B. Wrong host name on the workstation
- C. Wrong WINS on the workstation
- D. Incorrect IP address assigned to the workstation

**Answer: B**

22. A network technician is installing a series of three access points to cover the entire wing of a building. Each access point has a wired connection and 802.11g is being used for the wireless transmission. Which of the following channels should be used for the access points?

- A. Channels 1-6-11
- B. Channels 1-3-5
- C. Channels 7-11-1
- D. Channels 2-4-6

**Answer: A**

23. Which of the following network devices operates on Layer 1 of the OSI model?

- A. Hub
- B. Switch
- C. Router
- D. Bridge

**Answer: A**

24. Which of the following are forms of gigabit Ethernet that require the use of fiber optic cables? (Select THREE).

- A. 1000Base-CX
- B. 1000Base-TX
- C. 1000Base-SX
- D. 10Base-T
- E. 1000Base-T
- F. 1000Base-LX

**Answer: ACF**

25. Given the following routing table entries, which of the following will the next-hop address be for a packet destined for the address 192.168.1.203?

| Network Address | Subnet Mask | Next Hop Address |
|-----------------|-------------|------------------|
| 0.0.0.0         | 0.0.0.0     | 77.0.5.5         |

192.168.0.0            255.255.0.0            66.40.90.121  
192.168.1.0            255.255.255.0            72.40.91.1  
192.168.1.0            255.255.255.127            40.40.0.254

- A. 77.0.5.5
- B. 40.40.0.254
- C. 66.40.90.121
- D. 72.40.91.1

**Answer: D**

26. Which of the following is the default port for telnet?

- A. 20
- B. 21
- C. 22
- D. 23

**Answer: D**

27. Which of the following protocols would a multilayer switch use to learn the IP address of a directly connected device?

- A. ARP
- B. BOOTP
- C. Inverse-ARP
- D. DNS

**Answer: A**

28. A user is unable to connect to the network. A network technician is able to determine that there is a problem on the switch. All other users on that switch are able to connect successfully to the network. Which of the following is a probable cause?

- A. Switching loop is occurring on the switch.
- B. Wrong subnet mask on the switch.
- C. Incorrect SNMP settings on the switch.
- D. Port is misconfigured on the switch.

**Answer: D**

29. A network administrator of a company has many branch locations each using a subnet mask of 255.255.255.224. Which of the following dynamic routing protocols should be used?

- A. IPv6
- B. RIP
- C. IGRP



D. RIPv2

**Answer: D**

30. Which of the following will list the destination MAC addresses?

A. ping

B. dig

C. nbtstat

D. arp

**Answer: D**