

Hardware and Network Servicing Level III Knowledge Test

- _____ 1. One of the following is an example of network
- A. A computer attached to printer and scanner to input and output information.
 - B. Computer system sharing a common communication medium for the purpose of sharing information or device.
 - C. Several printers connected to switch box to single terminal.
 - D. Several desktops holding information for one workstation.
- _____ 2. You have successfully implemented a network about 20 computers. The network is connected to the internet and all users have been guaranteed equal access. You are designated as the network administrator. Due to staff shortage you also have to do some jobs that are supposed to be done by an ordinary user as a non-administrative account for yourself.
- A. Create a new user as a non-administrative account for yourself.
 - B. Use another user account.
 - C. Copy the administrator account and rename it.
 - D. Do nothing. Keep using the administrator account.
- _____ 3. You have made some changes to local and directory permissions on one of the servers on your network. You want to verify the new settings before informing the users of the changes. How can you verify that the changes have taken effect and that there is no security problem for them.
- A. Ask a trusted user to perform the tests for you.
 - B. Use your own administrator account to perform the test.
 - C. Create a test account for the purpose.
 - D. Do nothing. Changes made with administrator privileges are always correct.
- _____ 4. You are designing a network which needs to support 200 users. You do not plan to extend the segment beyond the current number of users. Which subnet mask would best meet your needs.
- | | |
|------------------|-------------------|
| A. 255.255.0.0 | C. 255.0.0.0 |
| B. 255.255.255.0 | D. 55.255.255.200 |
- _____ 5. The most secure and strong password from the following list is
- | | |
|----------------|---------------|
| A. password 1 | C. password 1 |
| B. password #1 | D. password 1 |

- _____ 6. You are the administrator for your company domain you need to subdivide group in your organization with in active directory if you want to separate sales from marketing department what could you use as a system of organization the subdivision.
- A. Creating organization units
 - B. Use user and group
 - C. Create site and subnet group
 - D. Build a container in a subnet group
- _____ 7. A system administrator wants to remove a domain controller from adman which of the following is the classiest way to perform the task.
- A. Reinstall server over existing installation and make the Machine a member of group
 - B. Use remove comment
 - C. Use active directory word to dominate the domain controller
 - D. Reinstall server over existing installation and make a machine a number of domain.
- _____ 8. The best method to restore the latest copy of the registry in a win 2003 server is to select the.
- A. Emergency retour disk (ERD)
 - B. Recovery console
 - C. Last known good configuration
 - D. Ctrl+Alt+Del keys
- _____ 9. The most efficient way to control sexuality in a client /server network is to assign permissions to
- A. Each shouted resource
 - B. Groups
 - C. Directories
 - D. User
- _____ 10. The advantage of a client /server network over a peer to peer network is
- A. Performances is better on peer to peer
 - B. Security is patter on client/server
 - C. Easy to configuration the client/ server
 - D. Security is better on peer to peer
- _____ 11. A remote user calls your help desk and complains that she is unable to access internal corporate network resource from the remote site. The user states that she can access the local resource. To solve this problem what is your primary advice
- A. Cheek whether she can ping successfully to the default gateway
 - B. Check whether the NIC is functioning

- C. Check subnet mask of her computer setting
- D. Check TCP/IP status of her computer

_____ 12. A server room is thickly populated with about 120 servers installed on racks. Various network and power cables make it very difficult to work on the server when a technician has work on the server. Usually it takes him or her a long time to trace the cable on several occasions. Some cables have been accidentally pulled in the process. Which of the following should you do to avoid further problems?

- A. Replace older cables with longer cables.
- B. Put identification labels on all cables.
- C. Remove redundant network and power cables.
- D. Route all network and power cables.

_____ 13. You are the LAN administrator for your company. You have a couple of Windows XP professional clients that dial in via PPP to the company network RAS server. You want the remote client to be assigned a dynamic IP address upon connecting. You find that the Windows XP computers didn't get any IP address. What should you do?

- A. Run ipconfig with the /release and /renew switch on the client.
- B. Run ipconfig with the /menu all switch on the client.
- C. Run winipctg on the client.
- D. Run ipconfig /flushdns. You are hired to.

_____ 14. Investigate a show performance of a network server for a client using the performance monitor. You obtain the following readings: CPU usage 25%, Disk time = 2%, page faults = 25. What one change will increase the performance of the network server the most?

- A. Buy another CPU.
- B. Add another hard drive.
- C. Increase RAM.
- D. Add second NIC.

_____ 15. A large network with 500 users notices that at specific times in the morning and afternoon network congestion times up their computers. What is the most likely cause?

- A. Many users are logging on or off.
- B. Power fluctuations.
- C. Terminator is not grounded.
- D. The switch connecting the network goes down.

- _____ 16. Is responsible for addressing messages and translating addresses and name into physical addresses
- A. Layer 1
 - B. B. layer 2
 - C. C. layer 3
 - D. D. layer 4
- _____ 17. Uses several protocols for routing and delivering packets
- A. Internet layer
 - B. Physical layer
 - C. Data link layer
 - D. Application layer
- _____ 18. Has the standard protocol used for interoperability among many different types of computers.
- A. HTTP
 - B. SMTP
 - C. TCP/TP
 - D. UDP
- _____ 19. Add traffic flow information to determine when the packet get sent
- A. Transport layer
 - B. Network layer
 - C. Data link layer
 - D. Session layer
- _____ 20. Add error handling information
- A. Internet layer
 - B. Physical layer
 - C. Data link layer
 - D. Application layer
- _____ 21. Simplex transmission
- A. TV
 - B. Computer network
 - C. Telephone communication
 - D. Skype
- _____ 22. Which of the following is not true
- A. In full duplex two device can communicate at the same time
 - B. In half duplex communication is takes place only in one direction
 - C. Telephone conversation is a full duplex communication
 - D. Radio uses a simplex communication
- _____ 23. Which of the following is true
- A. Computer network uses circuit switching
 - B. Telephone communication uses circuit switching
 - C. In packet switching, every packet follows the same route
 - D. All are true

- _____ 24. Data formatting is takes place in _____ layer of the OSI reference
- A. Model
 - B. Physical Layer
 - C. Presentation layer
 - D. Session layer
 - E. Application layer
- _____ 25. Internet explorer is found in _____ layer of the OSI
- A. Physical layer
 - B. Data link layer
 - C. Application layer
 - D. Presentation layer
- _____ 26. Makes to application to open, use and close a connection
- A. Application layer
 - B. Network layer
 - C. Session layer
 - D. Physical layer
- _____ 27. The layer which is responsible for addressing computers
- A. Presentation layer
 - B. Session layer
 - C. Transport layer
 - D. Network layer
- _____ 28. The set of rule and procedures which govern communication between computers
- A. OSI
 - B. Topology
 - C. Protocol
 - D. IP
- _____ 29. The protocol which enables computer to send and receive e mail
- A. FTP
 - B. SNMP
 - C. SMTP
 - D. HTTP
- _____ 30. Which of the following is connectionless oriented protocol?
- A. TCP
 - B. UDP
 - C. SMTP
 - D. All
- _____ 31. Which of the following connectivity device is mandatory in network
- A. Repeater
 - B. Switch
 - C. NIC
 - D. Router
- _____ 32. Which of the following is not the purpose of NIC
- A. Receive data and convert to appropriate format that can be transfer in a cable.
 - B. Determine and accept data sent to a computer
 - C. It filters layer 3 packet
 - D. All are true

- _____ 33. One of the following doesn't work in layer 2 of the OSI reference model
- A. NIC
 - B. Repeater
 - C. Switch
 - D. Hub
- _____ 34. One of the following is not true
- A. Active hub works in data link layer of the OSI Ref model
 - B. Passive hub transmit signal without regenerating
 - C. Hub can have different ports to different cables
 - D. Hubs can be used in star topology
- _____ 35. Which of the following is not true
- A. Switches are multiport bridge
 - B. Switches work in layer 2 of the OSI reference model
 - C. Switches do not regenerate signal
 - D. Switches uses routing table transmit signal
- _____ 36. Which of the following work on network layer of the OSI reference mode
- A. Switch
 - B. Hub
 - C. Router
 - D. Bridge
- _____ 37. Which of the following is true
- A. MAC address of a computer can be changed
 - B. IP address is used in TCP/IP
 - C. Every computer should have a MAC Address to communicate
 - D. Once we assign an IP address to a computer it is very difficult to change
- _____ 38. Which of the following is a class B IP address
- A. 192.168.1.1
 - B. 113.10.10.1
 - C. 130.1.12.1
 - D. 234.253.21.3
- _____ 39. Which of the following is a correct private class C IP Address
- A. 192.160.7.8
 - B. 10.10.1.2
 - C. 192.10.1.1
 - D. 192.168.100.200
- _____ 40. The default subnet mask of class 100.10.2.1 IP
- A. 255.0.0.0
 - B. 255.255.0.0
 - C. 255.255.255.0
 - D. 255.255.255.255

_____ 41. What are some of the advantages of using a router to segment the network? (choose two)

- A. Filtering can occur based on layer 3 information
- B. Broadcasts are eliminated
- C. Routers generally cost less than switches
- D. Broadcasts are not forwarded across the router
- E. Adding a router to the network decreases latency

_____ 42. From the following which one is loop back address

- A. 127.1.1.0
- B. 127.0.0.1
- C. 127.0.1.1
- D. None

_____ 43. On a network where is system acting as fire wall typically located

- A. Between the client/ system and the server
- B. Between two internal network
- C. Between the internal access point and in the internet
- D. Between the internal network internal access point

_____ 44. You have just resolved a very complex network problem. During the process you made some configuration changes to a router and two of the window 2000 servers. The changes were successful and your manager is now very happy with your performance. What should be your next step;

- A. Ask your manager for a raise
- B. Ask your manager a annual permission
- C. Ask your manager to
- D. None

Matching

A

1. Ping
2. Ipconfig
3. Arp-s
4. Mail server
5. File server
6. What is base 10 Ethernet connector
7. Telephone line
8. Active directory installation
9. Resolve domain name
10. Stare topology
11. Ring topology
12. Mesh topology

B

- A. A.RJ 11
- B. to show IP address
- C. to show Mac address
- D. File sharing
- E. access mail
- F. F.RJ 45
- G. connector computer connected with |
- H. dedicated line
- I. DNS
- J. DCPROMO
- K. Netstat
- L. Telnet
- M. BNC
- N. No test connection between the computer

A

1. Connector for 10 basic tera more cable.
2. Network topologies that have each computer connect to control device.
3. Topology that is the most faults tolerant & the highest level of riddance.
4. A connector that is used with coax connector thinker cable.
5. A connector used in conjunction with telethon.
6. Display that IP configuration information.
7. Display MAC address of machine.
8. Used to check the network connectivity
9. Used to install active directory
10. Used to establish session with remote dives
11. Restore domain name in IP address
12. Dynamically assign IP address
13. Used to share public resource file server.
14. Used to access e-mail-application
15. Used to build deploy an ape rate XML and web services.

B

- A. RJ 45
- B. Star topology
- C. Mesh topology
- D. BNC
- E. RJ 11
- F. Arp-a
- G. Ping
- H. DCPROMO
- I. Telnet
- J. DNS
- K. DHCP
- L. File server
- M. Application
- N. Web server