

Cabling Quiz

Name: _____ Date: _____

1. Name the types of ends on a Category 6 crossover cable.
 - a. 586A
 - b. 568B
 - c. 568A
 - d. 586B

2. What type of cable is required to link two hubs without upload ports?
 - a. Patch cable
 - b. Coax cable
 - c. Crossover cable
 - d. Fiber optic cable

3. Although TCP/IP is a 4-layer protocol we can compare it to the functioning of the OSI Model. What are the seven layers of the OSI Model from layer 7 (top) to layer 1 (bottom)?

7	
6	
5	
4	
3	
2	
1	

4. The Police Department Agency wants a redundant network with three layers of communication. All of their computers have a single embedded NIC. There are 25 computers in the main room; there are 7 detective stations with three computers each. The maintenance department has 4 computers and the administration office has 12 computers. We need to order devices along with an addition 10% for spares. How many NICs do we need to order? Show your work.

5. What type of Category 6 cable is more expensive?
 - a. PVC insulated
 - b. Coax version
 - c. Painted
 - d. Plenum

Cabling Quiz

6. What are the wire colors we see from left to right from the top of the RJ45 connector for a 568B patch cable?

7. What are the wire colors we see from left to right from the top of the RJ45 connector for the 568A side of a Crossover cable?

8. On a Network with a 10/100/1000 autosensing router and 10/100/1000 autosensing NIC, what is the transmission speed between the devices when we connect them with a Category 3 cable?

--

9. On a Network with a 10/100/1000 autosensing router and 10/100/1000 autosensing NIC, what is the transmission speed between the devices when we connect them with a Category 5 cable?

--

10. On a Network with a 10/100/1000 autosensing router and 10/100/1000 autosensing NIC, what is the transmission speed between the devices when we connect them with a Category 5e cable?

--

11. On a Network with a 10/100/1000 autosensing router and 10/100/1000 autosensing NIC, what is the transmission speed between the devices when we connect them with a Category 6 cable?

--

Cabling Quiz

12. How long will it take to transmit a 4 GB movie file on a 1 Gbps transmission line?

13. What is the name of the cabling rule with regards to Ethernet?

- a. 7-6-5 rule
- b. 4-3-2 rule
- c. 1-2-3 rule
- d. 5-4-3 rule

14. How long can a 10base2 segment transmit?

- a. 200m
- b. 185m
- c. 500m
- d. 100m

15. How long can a 10base5 segment transmit?

- a. 200m
- b. 185m
- c. 500m
- d. 100m

16. How long can a 10baseT segment transmit?

- a. 200m
- b. 185m
- c. 500m
- d. 100m

17. How long can a 10base2 network with maximum segments transmit?

- a. 1000m
- b. 925m
- c. 2500m
- d. 500m

18. How long can a 10base5 network with maximum segments transmit?

- a. 1000m
- b. 925m
- c. 2500m
- d. 500m

19. How many segments can we put in a 10base2 or 10base5 network?

- a. 3
- b. 4
- c. 2
- d. 5

Cabling Quiz

20. How many repeaters can we put in a 10base2 or 10base5 network?
- a. 3
 - b. 4
 - c. 2
 - d. 5
21. How many segments can we populate on a 10base2 or 10base5 network?
- a. 3
 - b. 4
 - c. 2
 - d. 5
22. What is the maximum number of computers on a 10base2 network segment?
- a. 30
 - b. 100
 - c. 1024
 - d. 28
23. What type of cable is required to link two hubs with upload ports?
- a. Patch cable
 - b. Coax cable
 - c. Crossover cable
 - d. Fiber optic cable
24. What two crimping dies are on a technician's crimping tool?
- a. RJ11
 - b. RJ10
 - c. RJ12
 - d. RJ45
25. What TCP/IP utility will test a network cable?
- a. IPConfig/Release
 - b. IPConfig/Renew
 - c. Ping cable
 - d. Ping