

Cabling Quiz 2

Name: _____ Date: _____

1. What type of connector will we use to connect a thinnet cable to a repeater or NIC?
 - a. AUI
 - b. BNC
 - c. SC connector
 - d. AST connector
2. What is the value of the 10base2 or 10base5 line terminator?
 - a. 100 ohms
 - b. 500 ohms
 - c. 50 ohms
 - d. 5 ohms
3. How long can a 10base5 segment transmit?
 - a. 200m
 - b. 185m
 - c. 500m
 - d. 100m
4. Name the types of ends on a Category 6 crossover cable.
 - a. 586A
 - b. 568B
 - c. 568A
 - d. 586B
5. 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
6. 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	

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7. The Hospital wants a redundant network with three layers of communication. All of their computers have a single embedded NIC. There are 15 computers in the emergency room; there are 20 medical stations with three computers each. The maintenance department has 16 computers and the administration office has 36 computers. We need to order devices along with an addition 10% for spares. How may NICs do we need to order? Show your work.

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 6 cable?

9. What type of Category 6 cable is more expensive?

- a. Coax cable
- b. Painted cable
- c. Plenum cable
- d. PVC insulated cable

10. 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

11. What type of connector will we use to connect a thicknet cable to a repeater or NIC?

- a. AUI
- b. BNC
- c. SC connector
- d. AST connector

12. 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?

13. How long can a 10baseT segment transmit?

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

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14. 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?

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

16. 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?

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

18. How long can a 10base2 segment transmit?

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

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

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

20. How many repeaters can we put in a 10base2 or 10base5 network?

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

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

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

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

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

23. What is the maximum number of devices on a 10base2 network segment?

- a. 30
- b. 28
- c. 100
- d. 1024

24. 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?

25. What type of cable is required to link two hubs with upload ports?

- a. Fiber optic cable
- b. Crossover cable
- c. Patch cable
- d. Coax cable

26. What two crimping dies are on a technician's crimping tool?

- a. RJ10
- b. RJ10.5
- c. RJ45
- d. RJ11

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27. What TCP/IP utility will test a network cable?
- a. Ping
 - b. IPConfig/Release
 - c. IPConfig/Renew
 - d. Ping cable
28. How many segments can we populate on a 10base2 or 10base5 network?
- a. 5
 - b. 4
 - c. 3
 - d. 2
29. What is the maximum number of devices on a 10base5 network segment?
- a. 98
 - b. 28
 - c. 100
 - d. 1024
30. How much extra cable should we allow for each connection?
- a. 10 to 50%
 - b. 51 to 100%
 - c. 100 to 200%
 - d. We should not have extra cable