

Cabling Quiz 3

Name: _____ Date: _____

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

2. 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?

3. How long can a 10base2 segment transmit?

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

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

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

7. Name the types of ends on a Category 6 crossover cable.

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

9. 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)?

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6	
5	
4	
3	
2	
1	

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

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11. The Hospital wants a redundant network with three layers of communication. All of their computers have a single embedded NIC. There are 7 computers in the emergency room; there are 8 medical stations with four 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 may NICs do we need to order? Show your work.

12. What type of cable is required to link two hubs without upload ports?

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

14. How long can a 10baseT segment transmit?

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

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

17. What is the value of the 10base2 or 10base5 line terminator?

18. How long can a 10base5 segment transmit?

19. How much extra cable should we allow for each connection?

20. 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?

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

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

23. 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?

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24. What is the maximum number of devices on a 10base5 network segment?

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25. 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?

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

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

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28. What TCP/IP utility will test a network cable?

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29. How many segments can we populate on a 10base2 or 10base5 network?

30. 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?

31. Estimate the feet of cable for the office with 12 foot by 12 foot rooms. The hallway is 6 feet wide. Ceiling height is 10 feet. Each office has one port.

