

Name: _____ Date: _____
Northampton Community College
CISC 231 – Data Communications and LANs (CCNA 1)
STUDY GUIDE FOR CHAPTER 8

1. Define the Physical layer of the OSI model.
2. How would you check the integrity of fiber and UTP cable installations?
3. What is the composition of fiber optic cable?
4. When is a straight-through cable used in a network? Cross-over? Rollover?
5. What is the most common connector used with UTP cable?
6. Identify the advantages and disadvantages of single-mode fiber-optic cable.
7. Identify the advantages and disadvantages of multi-mode fiber-optic cable.
8. What is backbone cable? What type of media is most often used today with backbones?

9. Identify the ten elements used to certify cable.

10. What is crosstalk? How can you avoid it?

11. What is EMI?

12. Why would you choose wireless media of fixed cable?

13. Identify the pin-outs for a cross over cable.