FUNDAMENTALS OF VOICE & DATA CABLING CHAPTER 12 STUDY GUIDE

1. What is the definition of "as built" drawings?

He way a colley jul was attally built

2. Name four common problems found in cabling installations. Briefly describe each one.

opens - I was isn't correctly terminated

shorts - two wires touch

oplit - pair - two pairs are owitched

- · wire mayoring conors all mapsed eyo (persone pain)
- 3. Name a typical wire mapping error. Explain what it is.

puthing just in money short

4. What is the definition of cable testing? of cable certification? Which should you do first? Why?

testing - ruliary price there is a commention.

calification - connection meets minimum requirements for list

testing comes first

5. What speed (in megazhertz) is Cat 5e cable designed to work at? Cat 6?

Cot Se - 100 mHz

Cet 6 - 250 M1/2

6. Briefly describe the four pieces of cable testing equipment listed below:

Equipment	Description	
Tone generator and probe	allow allo to be found by when a too a new	
Cable/jack testers	Test cables I sacks , hecks were map, opens, shorts, whit	
Telephone test set	test consider connections, testo diel toro, heche polarity	
Volt/ohm meter	meaning volting of renature on wing los POE or Goras	n voltoga
Time domain reflectometer	unch to land breaks in eable or it just	
	im't prograndy towarded	
	helps distance	
Optical time domain reflectometers	TOR bos bibes optic, reagunes losses	

7. What is meant by a "link test"? What are the two types of link tests? Which one is accepted by TIA/EIA 568-B.1?

8. What does a channel test test for?

9. What do the following terms mean?

Term	Meaning
Crosstalk	right from one vive feather to another
NEXT	wortall on Acar and
FEXT	enertall on language
850 or 1300	2 of wave in MM Way
1310 or 1550	I de wave in must made

Decibels (dB)	vates of large to (1) and well would be done
Megger	nates of (5) power to (3) power, would made for low of signal
Headroom	defference in minima of hill to what you have
Power Sum NEXT	contalle from the other three pains
ACR Attenuation to Crosstalk Ratio)	relie of attenutor to crossfull
ELFEXT (Equal	
Level Far End	
Crosstalk)	
Return Loss	how much signed becomes reflected
Propagation Delay	laterey, how long it take signal to so down calls
Delay skew	difference in time Jetwen different poins
-	

10. What is the maximum resistance reading that indicates a second grounding rod is needed? What is considered commercially acceptable?

25 Amo, 5 Amo or los

11. What is meant by a "soft fault"? Give an example.

crostalk

12. What tool is used to visually inspect a fiber connector for dirt or scratches? To clean the ends of a fiber connection?

minoscope

13. What should you check when installing or inspecting wall plates?

14. List some of the documents used/created for the cabling installation project:

15. In which of the above documents would the cable certification results be included?