1. Problem 1-17

You may go to the web to answer these questions.

2. Why are multiple PHY’s defined for 10 Gb/s Ethernet?
3. What are the distance limitations for 10 Gb/s Ethernet?
4. What are the major differences between 1 Gb/s Ethernet and 10 Gb/s Ethernet?
5. Why was GFP developed?
6. What is a major difference between SONET and Digital Wrapper?
7. Go to [http://www.10gea.org/index.htm](http://www.10gea.org/index.htm) the click on the 10 Gigabit Ethernet Users Conference link (http://www.sdsc.edu/10GigE/) . List one lesson learned for the WAN, LAN and Data Center Case studies.