**University of North Carolina Wilmington**

**MIS 323 – Business Telecommunications**

**Assessment #1 - Review Assignment**

**Chapter 1**

1. What is the difference between a LAN, BN, & WAN?
2. Explain the difference between a client and server.
3. Explain how a message is transmitted from one computer to another using the 5-layer model (hint: see slide concerning the movement through the different layers).

**Chapter 2**

1. How does a thin client differ from a thick client?
2. Describe the four basic functions of an application software package.
3. When sending an HTTP request, do the client and server exchange just one packet to receive a webpage? Explain your answer.
4. What roles do SMTP, POP, and IMAP play in sending and receiving e-mail on the Internet?
5. What are the advantages and disadvantages of host-based networks versus client-server networks?

**Chapter 3**

1. Clearly explain the differences among analog transmission, digital data, and digital transmission.
2. How does a multipoint circuit differ from a point-to-point circuit?
3. What feature distinguishes serial mode from parallel mode?
4. Describe three types of guided media.

**Chapter 4**

1. How do information bits differ from overhead bits?
2. Which is better, controlled access or contention? Explain.
3. Compare and contrast stop-and-wait ARQ and continuous ARQ.
4. Errors normally appear in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which is when more than one data bit is changed by the error-causing condition.
5. Briefly describe how even parity and odd parity work.
6. What is media access control and why is it important?
7. Are large packet sizes better than small packet sizes? Explain.
8. What does the data link layer do?