**ECPI University Rafat Khandaker**

**CIS-225 09/08/18**

**CIS225: Unit 1 Review Assignment**

**Instructions:**

Please complete the following review assignments in the following chapters in your textbook, **Tomsho, G. Guide to Network Essentials 6th ed.**

* Chapter 5: Network Protocols. Review Questions 1-5 at the end of the chapter.
* Chapter 6: Network Reference Models and Standards. Review Questions 2, 4-6, and 14 at the end of the chapter.

**Chapter 5:**

1. An IPv6 Address is made up of how many bits?
   * ***D:* 128 bits**
2. The subnet mask of an IP Address does which of the following?
   * **B:** **Defines Network & host portions of an IP address**
3. If a protocol is routable, which TCP/IP layer does it operate at?
   * **B:** **Internetwork**
4. Which of the following is a private IP address & can’t be routed across the Internet?
   * **B:** **172.19.243.254**
5. Which TCP/IP model layer takes a large chunk of data from the Application Layer & breaks it into smaller segments?
   * **C:** **Transport**

**Chapter 6:**

1. The addition of information to a PDU as it’s passed from one layer to the next is called which of the following?
   * **B: Encapsulation**
2. Place the following letters in the correct order to represent the OSI model from Layer 7 to Layer 1
   * **E**
   * **A**
   * **C**
   * **F**
   * **G**
   * **B**
   * **D**
3. Which OSI layer creates and processes frames?
   * **Data-Link Layer will process frames. Frames contain layer 2, mac address information.**
4. Which OSI layer handles flow control, data segmentation, and reliability?
   * **C: Transport**
5. Which term refers to stripping header information as a PDU is passed from one layer to a higher layer?
   * **A: De-encapsulation**