This homework is based mostly on the Textbook from Chapters 1-6:

1. Describe the meaning and function (comparatively) of ISO, IEC and CIM.

2. Describe the meaning and function (comparatively) of DMS (and DA/DMS), EMS, SA and WAMS.

3. Give a functional view of an IED.

4. What is unguided media and give five examples.

5. What are the four major components of a SCADA/ICS System? Draw a simple graphic to describe their relationship (e.g. flow chart).

6. Describe the difference between a Programmable Logic Controller (PLC), a Remote Terminal Unit (RTU), and a “data concentrator.”

7. Energy Management Systems are a form of master station used in Utility Power Systems to facilitate the operation of the power system through the various operating states. Identify and describe the five operating states of the power system.

Please, no more than roughly five pages should be turned into BBLearn. This homework is designed to take 2-3 hours.