**AHSANULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY**
Department of Computer Science and Engineering
Program: Bachelor of Science in Computer Science and Engineering
Fall 2019     Year: 2$^{nd}$ Semester: 2$^{nd}$
Course No: CSE 2214          Course Title: Assembly Language Programming

## Assignment on Organization of the IBM Personal Computers

Read the "Assignment Submission Guideline" from Google Classroom for detailed instruction on the assignment submission process. Also note that only the submissions submitted within the deadline time will be accepted and evaluated based on oral examination in the next class.

Questions
1. What are the differences between a register and a memory location?
2. Determine the physical address of a memory location given by 0155:D09Ah.
3. A memory location has physical address 4A37Bh. Compute
   a. the offset address if the segment number is 40FFh.
   b. the segment number if the offset address is 123Bh.