

Ahsanullah University of Science and Technology
Department of Computer Science and Engineering
CSE2214: Assembly Language Programming
Assignment on Microcomputer Systems

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.

1. Draw the diagram of Intel 8086 Microprocessor organization. [2.0]
2. Consider a machine language instruction that moves a copy of the contents of register AX in the CPU to a memory word. What happens during the fetch cycle and execution cycle. [6.0]
3. Write the differences between
 - i. RAM and ROM [1.0]
 - ii. Serial and Parallel ports [1.0]