

**Ahsanullah University of Science and Technology**  
**Department of Computer Science and Engineering**  
**Course No: CSE2214 Course Title: Assembly Language Programming Lab**  
**Assignment 05**

1. For each of the following instructions, give the new destination contents and the new settings of CF, SF, ZF, PF, and OF. Suppose that the flags are initially 0 in each part of this question.
  - 1.1. ADD AX, BX where AX contains 7FFFH and BX contains 0001H
  - 1.2. DEC AL where AL contains 00H
  - 1.3. NEG AL where AL contains 7FH
  - 1.4. XCHG AX, BX where AX contains 1ABCH and BX contains 712AH