

**CSED211 Homework #1, Due Sep 20, 2022 (Bases on 3<sup>rd</sup> ed. International version)**

1. Modified Problem of Exercise 2.61 on page 165.
  - A. The number of bits equal to 0 in the least significant byte (LSB) of  $x$  is two.
  - B. The number of bits equal to 1 in the least significant byte (LSB) of  $x$  is four.
  - C. Only one bit in the most significant byte (MSB) of  $x$  equals 1.
  - D. One bit in MSB of  $x$  equals 1 and one bit in LSB of  $x$  equals 0.
2. Exercise 2.73 on page 170
3. Modified Problem of Exercise 2.77 on page 171
  - A.  $K = 23$
  - B.  $K = -15$
  - C.  $K = 19$
  - D.  $K = -11$
4. Exercise 2.83 on page 172
5. Exercise 2.82 on page 171
6. Exercise 2.87 on page 173.
7. Exercise 2.89 on page 174.
8. Exercise 2.91 on page 176
9. Exercise 2.92 on page 177
10. Modified Problem of Exercise 2.95 on page 178  
/\* Compute  $0.25 * f$  \*/