Solution-Quiz # 2

BESE 16B

Digital Logic Design

Feb 21st 2011   **Max Marks: 6**

Find the value of the following signed numbers if they are represented in:

1. Signed Magnitude Form
2. 1's Complement
3. 2's Complement

a. 11010110
    Signed Mangitude: -1010110 = - (64+16+4+2)=-86
    1's Complement = -00101001 = -(32+8+1) = -41
    2's Complement = -00101010 = -(32+8+2) = -42

b. 01110110
    Signed Mangitude: 01110110 = 64+32+16+4+2 = +118
    1's Complement = 01110110 = 64+32+16+4+2 = +118
    2's Complement = 01110110 = 64+32+16+4+2 = +118

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