**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Department of Computer Science and Engineering**

**CSE340: Computer Architecture   
Summer 2013**

**Quiz-2**

**Full Marks: 15 Time: 25 Mins**

1. What do you mean by zero and sign extended? **2**
2. Use Booth’s algorithm to multiply **5** by **-3**. **4**
3. **1 00000111 100000000000000000000000** convert this to decimal value using **IEEE754 32-bit** floating point representation. **3**
4. Write Show the **IEEE 754** binary representation of the floating point number **-5/6.** **3**

1. Write Show the **IEEE 754** binary representation of the floating point number **-11.7**. **3**