**A**

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

**Department of Computer Science and Engineering**

**CSE340: Computer Architecture   
Spring 2015**

**Quiz-3**

**Full Marks: 15 Time: 20 Mins**

1. **1 00001111 101010000000000000000000** convert this to decimal value using **IEEE754 32-bit** floating point representation. **7**
2. Add **0.5ten** and **-0.4365ten** IEEE 754 floating point addition. Also show the overflow status. **8**

**B**

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

**Department of Computer Science and Engineering**

**CSE340: Computer Architecture   
Spring 2015**

**Quiz-3**

**Full Marks: 15 Time: 20 Mins**

1. **1 00000111 101110000000000000000000** convert this to decimal value using **IEEE754 32-bit** floating point representation. **7**
2. Multiply **0.5ten** and **-0.4365ten** IEEE 754 floating point addition. Also show the overflow status. **8**

**C**

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

**Department of Computer Science and Engineering**

**CSE340: Computer Architecture   
Spring 2015**

**Quiz-3**

**Full Marks: 15 Time: 20 Mins**

1. Show the **IEEE 754** single precision binary representation of the floating point number **-13.3**. Also show equivalent hex representation of the binary value. **8**
2. Add **0.5ten** and **0.124ten** IEEE 754 floating point addition. Also show the overflow status. **7**