**CSE101 - Introduction to Programming**

**Monsoon 2018, Quiz 1**

**Max Marks: 10 Time: 30 mins**

Q1. Convert the decimal number -61 into 2’s complement form with 8 bit representation.

(2 marks)

A1. 11000011

Q2. Convert the decimal number -97.3125 into IEEE Single Precision Floating Point representation. (2 marks)

A2.

|  |  |  |
| --- | --- | --- |
| 1 | 10000101 | 10000101010000000000000 |

Sign Exponent Mantissa

Q3.Give the output of the following statements/programs(assume working on Python -v3.x)

(6 x 1 mark = 6 marks)

a. >>> text =‘The Great Wall of China’

>>> t = text[1:5:2]

>>>print(t)

Ans: h\_

\_denotes a blank space.

b. >>>print(8.2, "Hi", 5 - 2, "Bye", 6/2.0)

Ans: 8.2 Hi 3 Bye 3.0

c. >>>print("""my quote""")

Ans: my quote

d. >>>print( int(23.985) )

Ans: 23

e.>>> grade1 = 80

>>> grade1= grade1+5

>>> grade2 = - grade1\*\*2

>>> average = (grade1 + grade2) / 2

>>> print(average)

Ans: -3570.0

f. >>> s =‘Distinction’

>>> t = s[7]

>>>print(t)

Ans: t