

**CS 340 Fall 2020 Quiz 8****Name:** \_\_\_\_\_

1. Use the Huffman tree shown on the accompanying page to decode the following sequence of bits. I put a space after each group of 4 bits to make the sequence easier to read but you should ignore the spaces when you decode. As in class 0 means left and 1 means right.

1111 1001 0111 1000 10

2. Create a Huffman tree based on the character frequencies shown below.

<b><u>Character</u></b>	<b><u>Frequency</u></b>
A	67
B	28
C	10
D	52
E	81
F	12
G	15
H	35

# Huffman Tree for Problem 1

