

CS1356 Introduction to Information Engineering

2010/9/20 Quiz 1

Student ID:

Name:

1. Convert each of the following base ten representation to its binary representation

- a. 45 b. 66

Ans:

- a. 101101 b. 1000010

2. Convert the following binary representation to its base ten representation

- a. 10010 b. 1011

Ans:

- a. 18 b. 11

3. Express the following bit patterns in hexadecimal notation
110111001010

Ans:

DCA

4. Perform the following addition

- a.
$$\begin{array}{r} 10101 \\ +01001 \\ \hline \end{array}$$
 b.
$$\begin{array}{r} 11011 \\ +00111 \\ \hline \end{array}$$

Ans

- a. 11110 b. 100010