

ECE 1551 Assignment Chap. 1

1 Write the following decimal numbers in a) binary b) hexadecimal notation c) BCD notation.

12

24

35

135

68

2 Write the following hexadecimal numbers in a) binary b) decimal.

FF

10

32

1A

3

Obtain the 1's and 2's complements of the following binary numbers:

(a) 00010000

(b) 00000000

(c) 11011010

(d) 10101010

(e) 10000101

(f) 11111111.

4 Perform the following operations using 2's complement notation. Make sure you use enough bits.

(a) $26-13$

(b) $-14-7$

(c) $10-12$

(d) $14-8$

(e) $30-7$