Gebze Technical University
Computer Engineering
CSE101 – Homework 2

Melih Yabaş
161044072

Question-1
a)1000 1010 1001
b)1110 1111 0011
c)1E1
d)FEDB

Question-2

Hexadecimal	ASCII	Binary
43	C	01000011
6F	o	01101111
6D	m	01101101
70	p	01110000
75	u	01110101
74	t	01110100
65	e	01100101
72	r	01110010

Computer

Question-3
a)00101-00001=100100 (overflow does exist)
b)00101-10101=11010

Question-4
a)00001011
b)11101011
c)11100000

Question-5
a)7123 - OR the bit patterns in registers 2 and 3 and place the result in register 1.
b)2BCD – LOAD the register B with the bit pattern CD.

Question-6
load R0, 10010001b
load R1, 11111000b
store R0, [0xA0]
store R1, [0xA1]
load R2, [0xA0]
load R3, [0xA1]
load R4, 11110000b
load R5, 00001111b
and R6, R4, R2
and R7, R5, R3
or R8, R6, R7
store R8, [0xA2]
halt