## **Computer science over view second week H M solution**

Answer 1:

a)1000 1010 1001

b)1110 1111 0011

c)1E1

d)FADB

Answer 2:

From this message (436D7075746572) as we obtain the last result is the word written (computer).

If we are supposed to show the steps of this translation:

The Word (C) is equals to the binary digits(01000011) in ASCII decoding.and like this couple of these words have a specific meaning in ASCII decoding like the bellow chart which defines the meaning of each of them:

|  |  |  |
| --- | --- | --- |
| symbol | ASCII | Hexadecimal |
| C | 01000011 43 | 43 |
| O | 01101111 6F | 6F |
| M | 01101101 6D | 6D |
| P | 01110000 70 | 70 |
| U | 01110101 75 | 75 |
| T | 01110100 74 | 74 |
| E | 01100101 65 | 65 |
| R | 01110010 72 | 72 |

Answer 4:

a ) if we are going to apply the AND notation here so we have:

01001011 AND10101011=00001011 is the final result.

b ) 01001011 OR 10101011=11101011

c ) 01001011 XOR 10101011=11100000

Answer 5:

a ) apply OR operation between the bit pattern located in register 2 and 3 and place result in resigter 1 .

b ) CD value is placed in register B .

Answer 6: