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yohandi 120040025
  EIE2050 Assignment 1
                                       8 (2) 00110011 -00010000 (2) = 00110011 (2)
 2. (2) 100001 (2) =1-25+0+0+0+0+1-20(10)
                                                                             11110000124
                                                             invert
                                                                           100100611(2)
                 = 33 (10)
   (b) 100 111 (2) =1.25+0+0+1.22+1.21+1.200)
                                                                          paronel
                                                                          = 00100011 (2)
                  = 39 (10)
    (c) 101010 (2) = 1.25+0+1.23+0+1.21+0
                                                (b) 01100101 - 11101000 (2) = 01100101 (2)
                 = 42(10)
                                                                           00011000 (2) 4
    (2) 111001 (2) = 1.25+1.24+1.23+0+0+1.20
                                                              Invert
                                                                           01111101(2)
                 : 57(10)
3. (e) 65 (10) = 26 +2° (10) = 100000 1(2)
   (f) g7(10) = 26+25+20(10)=1100001(2)
   (g) 127(10) = 26+25+24+23+22+21+20(10)=1111111(2)
   (h) 190 (10)= 27+26+22+21 (10)= 11000110(2)
                                                     9.10001000 00100010(2)
4. (2) 0.26 (10) = 2-2+2-7+2-9+ E (10) = 0.010000101 ... (2)
                                                           10001000 (2) Add I to quotient
   (b) 0.762(10)=2-1+2-2+2-7+2-8+E(10)=0.110000110.(2)
                                                           11011110(2)
    (c) 0.0975 (10) = 2-4+2-5+2-9+8 (10) = 0.000110001...(2) 101100110 (2) Add 1 to quotient
                                                        18 rated 11 0111 10 (2) +
                                                          101000100 m Add 1 to quotient
                                                      ignored 11011110 (2) +
                       → 010110
                                                         400100010 in Add to quotient
5. (e) 101010 ;
                 convert
                                                       19000011011110 (2) +
                2's complement
                                                       12 roved 000000001
   (f) 11001 convert 00111
                                                         quotient = -4 (10) = 11111100 (2)
                        00110100
   (g) 11001100 -
                                                   10, (2) 1111 (2) = F16
                  cornect
                  2's complement
                                                       (b) 1011 (2) = Bil
                  convert 00 111001
    CH) 11000111
                                                       (c) 000] 1111cm = 1F16
                  2's complement
6.(a). 10011001 (z) = -2+2423+20(10) = -103(10)
   (b) 01110100 (2) = 26+25+24+22(10) = (16 (10)
   (c) 10111111(2): -2++25+24+23+22+21+20 (10) =-65
                                 (b) 01110000 (2)
 7.12) 000 1011010
                                     1010111112)
        001100111274
                                   100011111m = 00011111cz)
        01001001(2)
                                (ignored)
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12(2) 0010 (8(0) + 0001 (8(0) =
$$2_{(10)} + 1_{(10)} = 0011_{(8(0))}$$

(b) 0101 (8(0) + 0011 (8(0)) = $5_{(10)} + 3_{(10)} = \frac{1000}{(8(0))}$
(c) 0111 (8(0) + 0010 (8(0)) = $7_{(10)} + 2_{(10)} = \frac{1001}{(8(0))}$
(d) 1000 (8(0)) + 0001 (8(0)) = $7_{(10)} + 1_{(10)} = \frac{1001}{(8(0))}$