Assignment -2

1. Convert each binary number to hexadecimal:
   (a) 11110110 (b) 10101101010
2. Convert each hexadecimal number to decimal:
   (a) ABC26 (b) 6F226
3. Convert each decimal number to hexadecimal:
   (a) 3654 (b) 7824
4. Convert each of the following decimal numbers to BCD (8421):
   (a) 4124 (b) 36455
5. Convert each of the BCD numbers to decimal:
   (a) 1000110000 (b) 0001011010000011
6. Determine which of the following even parity codes are in error:
   (a) 100110010 (b) 011101010 (c) 10111111010001010
7. Determine which of the following odd parity codes are in error:
   (a) 11110110 (b) 00110001 (c) 01010101010101010
8. Convert each binary number to Gray code:
   (a) 011011 (b) 1001010 (c) 1111011101110
9. Convert each Gray code to binary:
   (a) 1010 (b) 00010 (c) 11000010001
10. Add the following BCD numbers:
    (a) 1001 + 0110 (b) 0011 + 1001
    (c) 1001 + 1001 (d) 1001 + 0111
    (e) 0011 0101 + 0110 0111
    (f) 0101 0011 + 0101 1000
    (g) 1001 0101 + 1001 0111
    (h) 0101 0110 0011 + 0011 0010 1000