**Assignment -2**

1. Convert each binary number to hexadecimal:
2. 11110110 (b) 10101101010
3. Convert each hexadecimal number to decimal:
4. ABC26 (b) 6F226
5. Convert each decimal number to hexadecimal:

(a) 3654 (b) 7824

1. Convert each of the following decimal numbers to BCD (8421):
2. 4124 (b) 36455
3. Convert each of the BCD numbers to decimal:

(a) 1000110000 (b) 0001011010000011

1. Determine which of the following even parity codes are in error:
2. 100110010 (b) 011101010 (c) 10111111010001010
3. Determine which of the following odd parity codes are in error:
4. 11110110 (b) 00110001 (c) 01010101010101010
5. Convert each binary number to Gray code:

(a) 011011 (b) 1001010 (c) 1111011101110

1. Convert each Gray code to binary:
2. 1010 (b) 00010 (c) 11000010001
3. 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