Digital Logic Design (CSE 231)

Quiz 1 Sec. 5

Total marks 5 x 5 = 25 marks

*(Each question carries equal weight)*

1. Convert the following numbers

(a) (10101.011)2 = (?)10

(b) (101.101)4 = (?)16

1. Write first 20 decimal digits equivalent in base 4.
2. Convert the following number in base 2 and 8

(101.1)10

4. Consider two binary numbers M=11101100, N= 00111101.

Calculate using r’s complement

(a) M-N (b) N-M

5. Perform BCD addition on the following decimal numbers

(a) 7 and 57