Digital Logic Design (CSE 231)

Quiz 1 Sec. 4

Total marks 5 x 5 = 25 marks

*(each question carries equal weight)*

1. Convert the following numbers

(a) (11101.011)2 = (?)10(b) (4.205)8 = ()16

1. Write first 20 decimal digits equivalent in base 3.
2. Convert the following number in base 2 and 8

(57.25)10

4. Consider two binary numbers M=11100011, N= 00110100.

Calculate using r’s complement

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

5.Perform BCD addition on the following decimal numbers

(a) 8 and 3