1 Flekhar Hakim Kaowson

Q.

(°) YES

(1) We will get connect ADCH value. But may get wrong ADCL value. As a regult, regulting ade value may be [connected value=3, connected value=3] connected value=3. Because, in 2 bit, maximum decimal 3 can be represented, so, tresulting voltage is in range [V-3*stepsize, V+3*stepsize, V+3*stepsiz

Here are 2 worst case. One when resulting ade value has last two bit oo and actual ade value has last two bits II. Other one is ap value variation

Herre, fore this ADMUX value,

Reference voltage = 2.56V, right adjusted.

As ApMux.... = 10000

Positive differential input = Input of ADCO = 2V

negative differential input = Input of ADCO = 1V

GAIN = 1

... ADC = (Npos-Nneg) X Orain X 512 = (2-1) X 1 X 5 P)

NREF

 $=(200)_{10}$