Q17.

Ed1=0.0259 eV, Ed2=2\*0.0259 eV. Electron concentration in case 1 is 10^18. Find the % by which Nd has to be increased so that electron concentration in case 2 also becomes the same. (T=300 K, Nc=3.2\*10^19/cc)(neglect thermally generated carriers)

Q18.

Find ΔT to go from fig1 to fig2. Find n/ni for the two cases. (n is total e- conc ). (Nc=3.2\*10^19/cc).