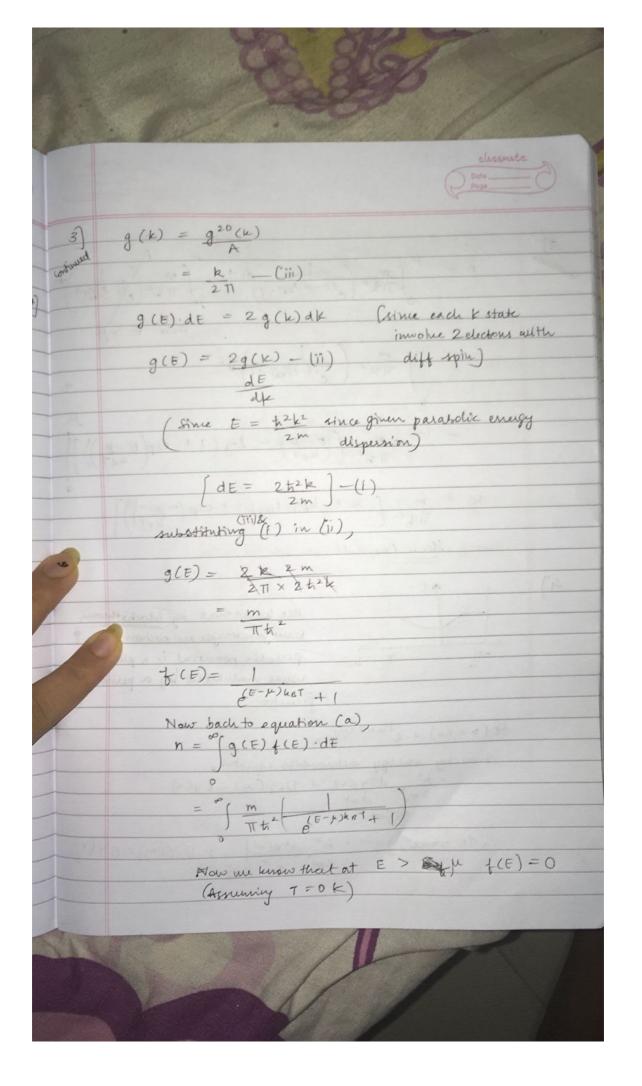
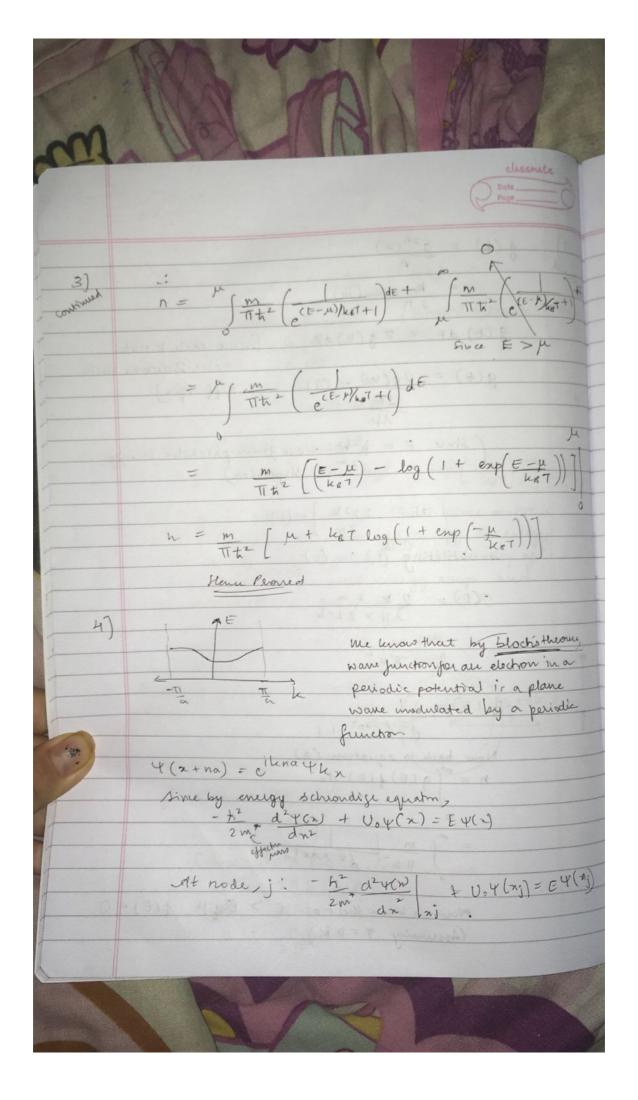
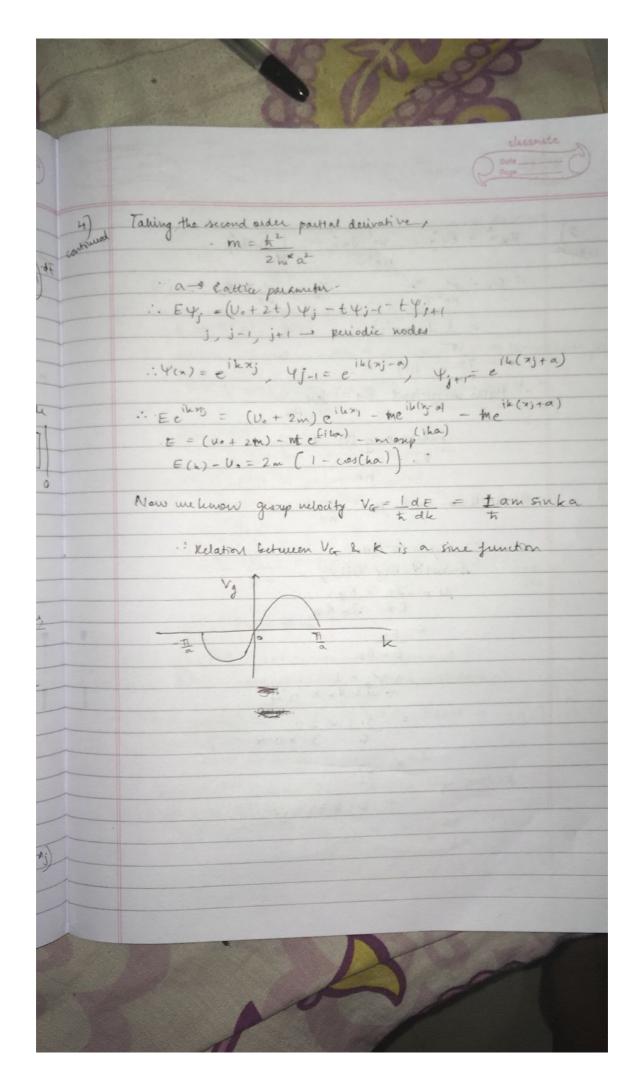
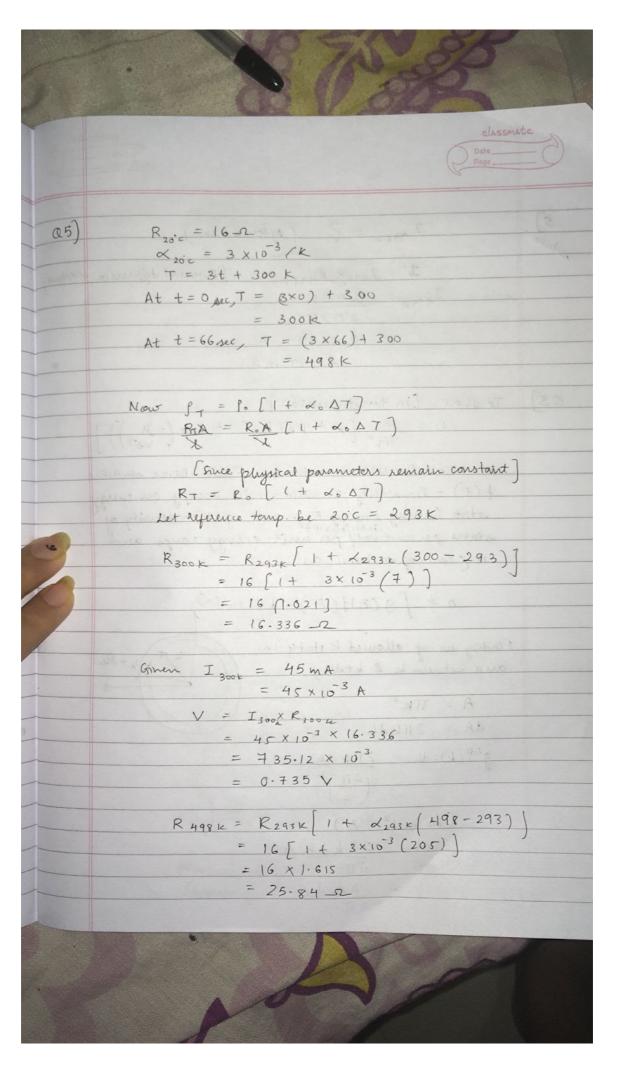


To show: [in two dimension] 03) n = m [u+keTlog(1+ exp(-keT))] the know the relation between Fami-Dirac statistics f(E) - Probability an electron will occupy an energy state having energy E and g (E) - density of states per unit vol/ per unit energy range and n (conc. of electrons), as: $n = \int g(E) f(E) \cdot dE - (a)$ Finding no of allowed K states in area between k & k+dk, A = TRZ dA = 2TIkdh g2P(k).dk = 2Thdk (Since L2 = A) = 2TkdkA = RA. dk









Classmare Page	I 4986 = ? (After 66 sec) I 4986 = 0.735 I 4986 = 0.735 - 0.735 - 0.735 - 0.02844 A = 28.44 mA
	S SAMEROS