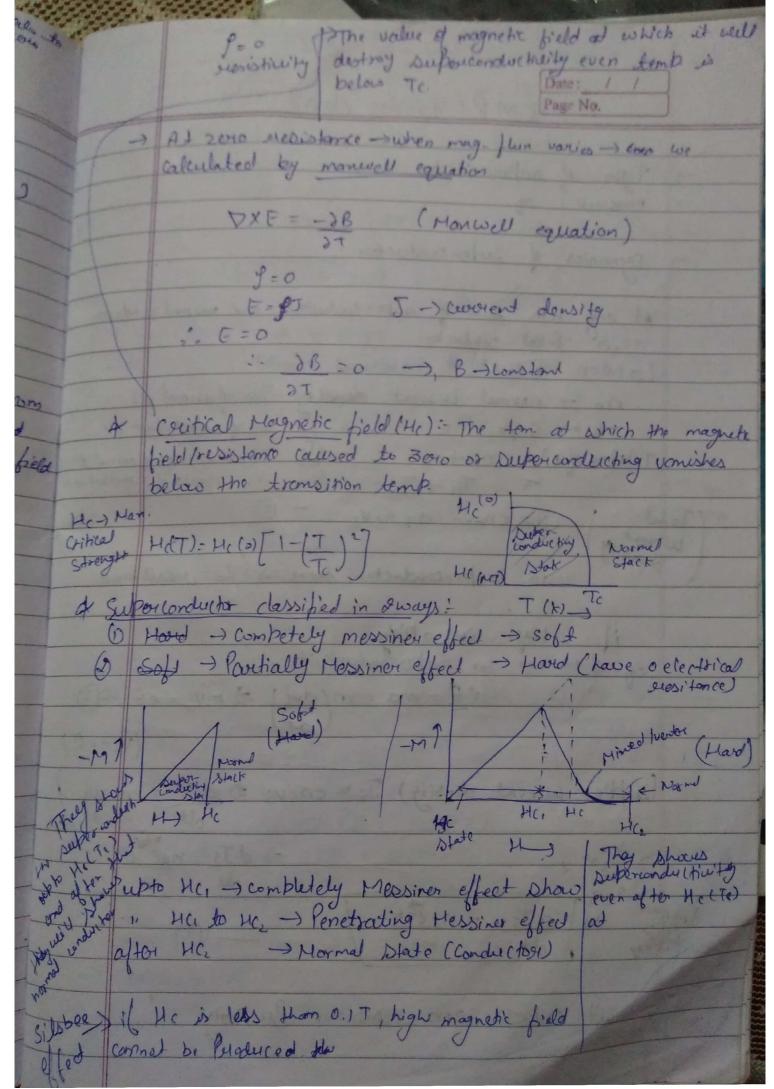


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CMP (Forday class) Page No. Cocincal Types of superconductors > Dynamics of Duberconductors At any tem. Dum of superborductor and narmal conductor (ondon Equations (Statement - Book) nn -> normal current density no. of normal e's

ns -> Super " no. of submedant e's

Total no of e) n = nn + ns - O un = velocity of normal e

T = In + Is

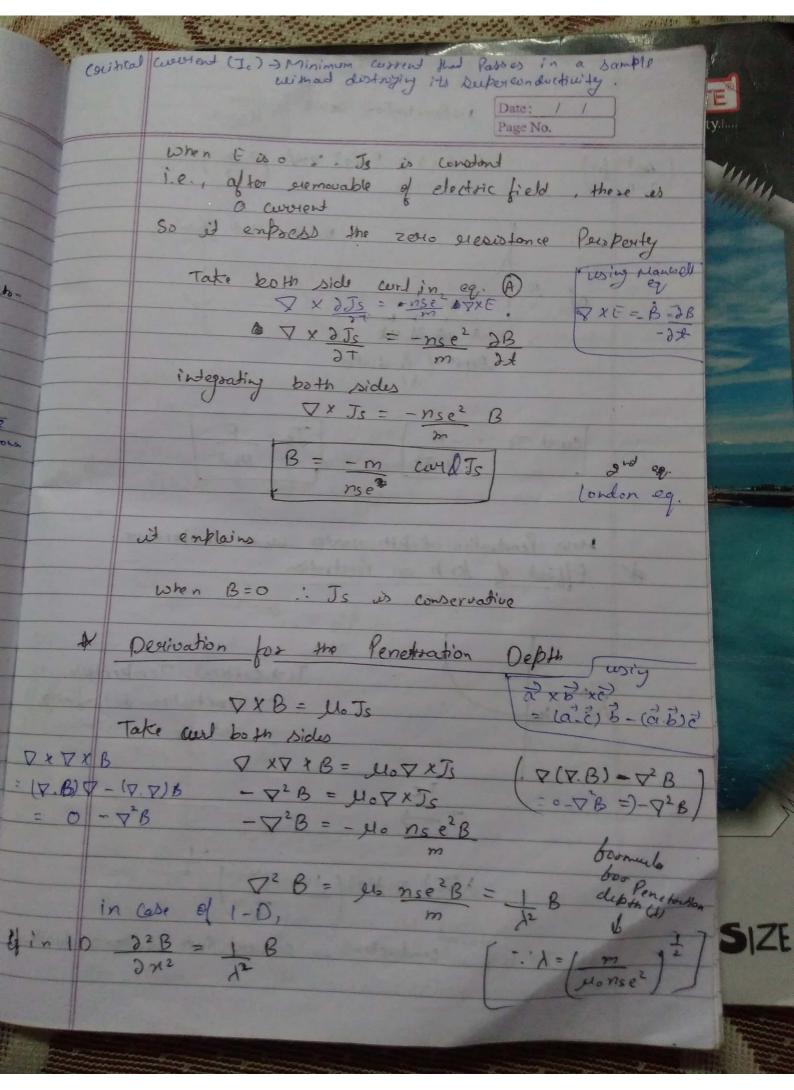
Vs = velocity of Dubor electron

T = en, un + ens vs - © in Duperconductor, there is no resistance, eq. of Motion for Suberconductivity. E's

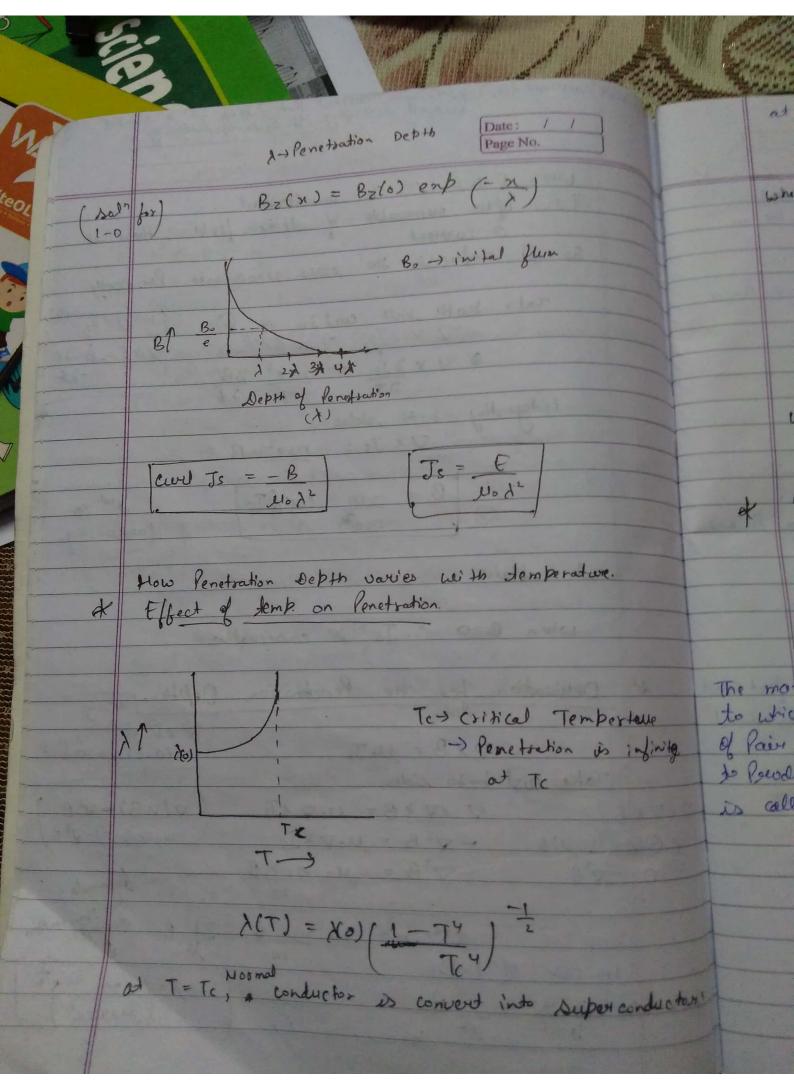
eq. of Motion for Suberconductivity. E's

et = ma = m(dvs) => mvs = et -3

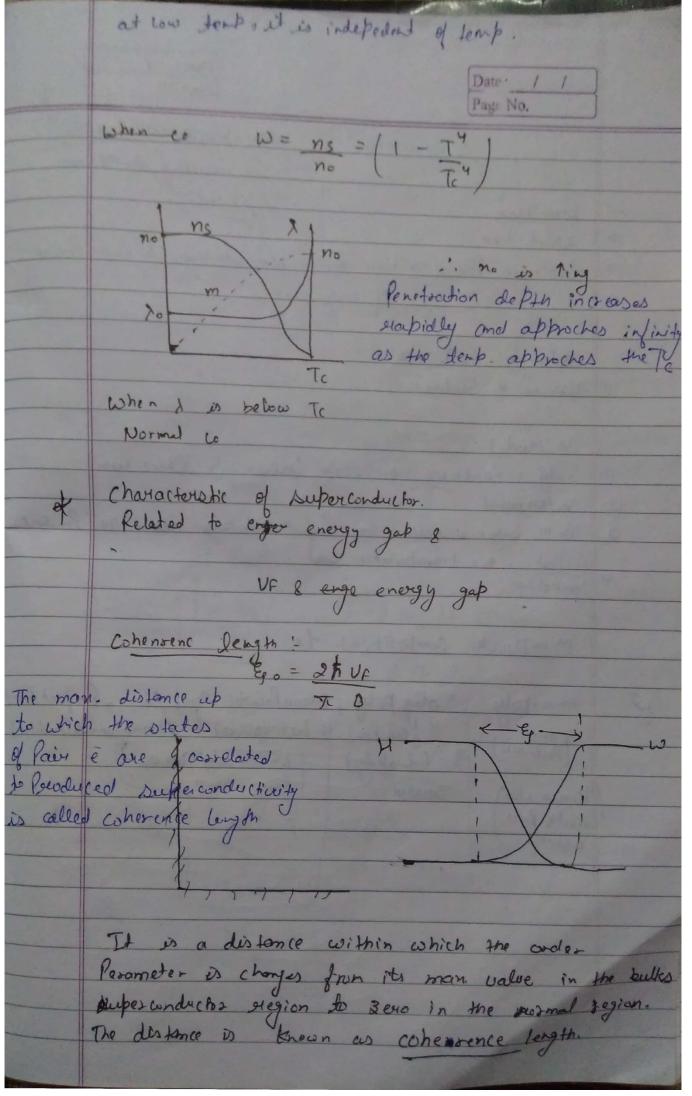
(ve = et (supper current density) Js = ensus =) dJs = ns. eds it entress zero resistance Perspenty

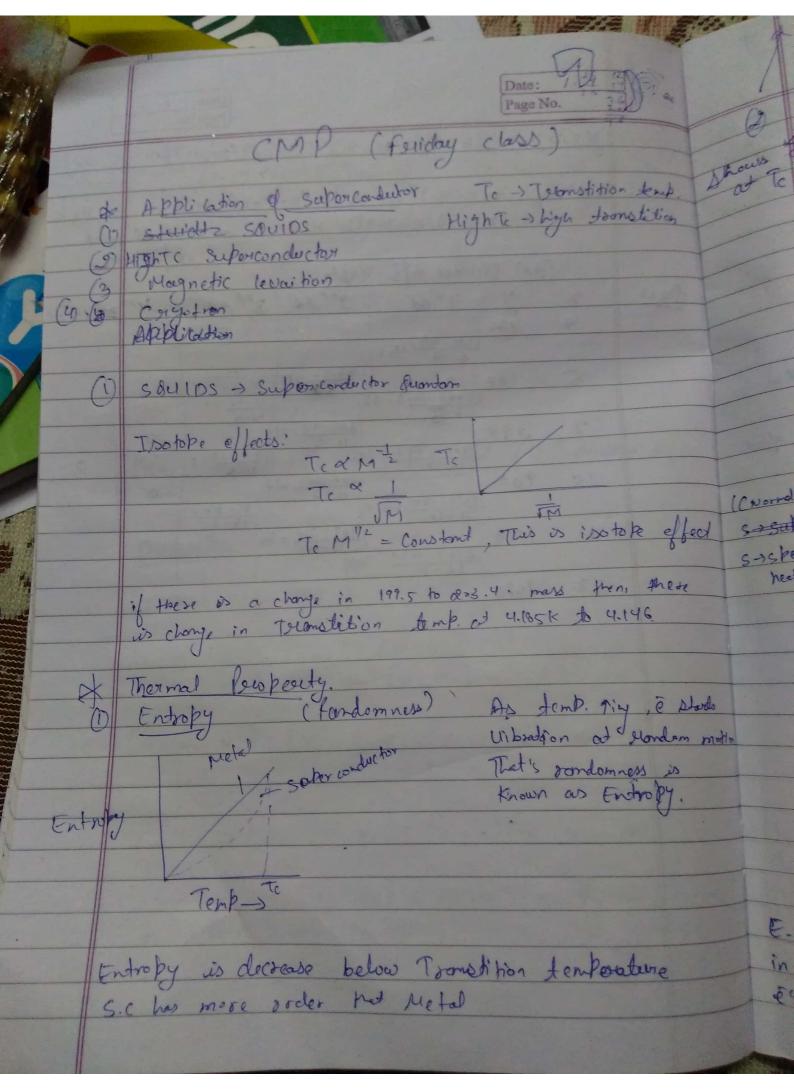


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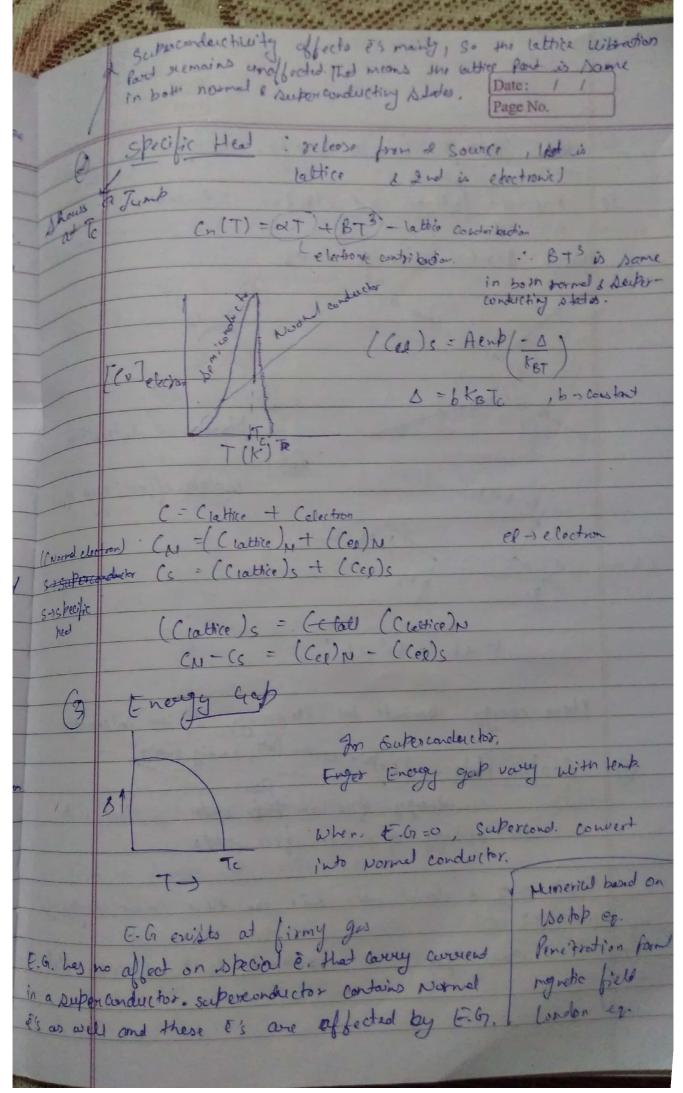


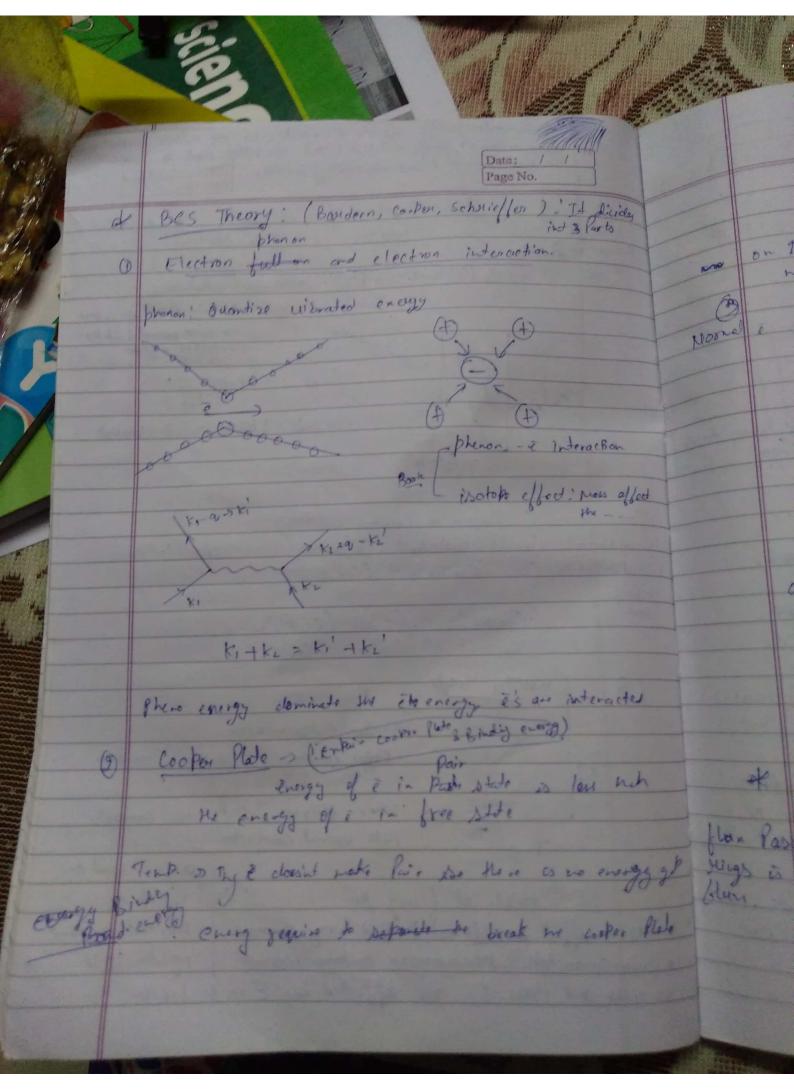
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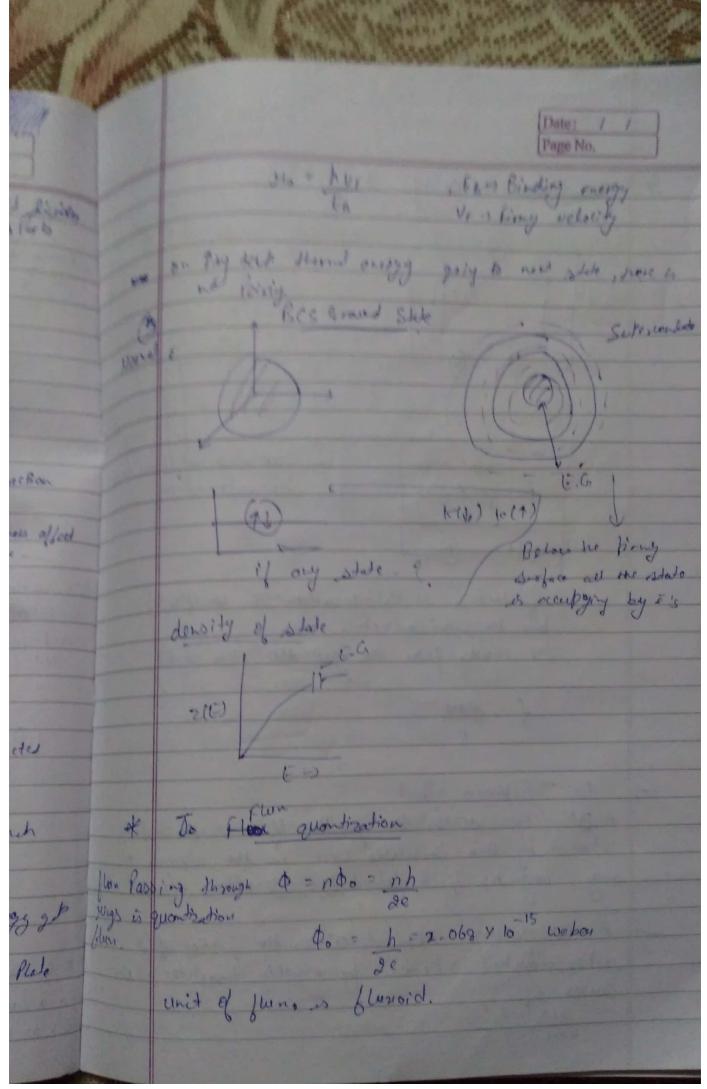


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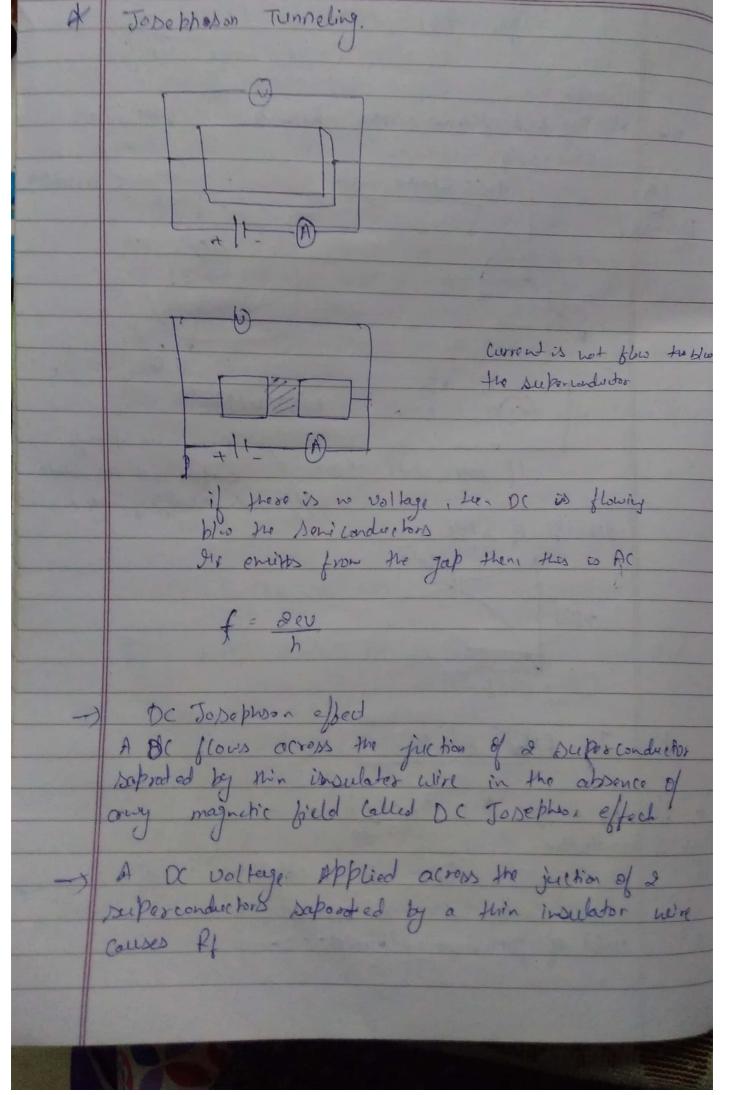




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