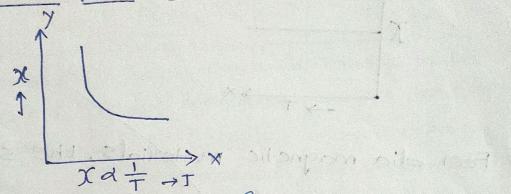
G. V. Nikhil Sai 2100031496 de medical response in the printing sec-14.

a) Discuss susceptability vs temperature eurive for dia, para and ferro magnetic materials.

Ans: -> Parlamagnetic materials:



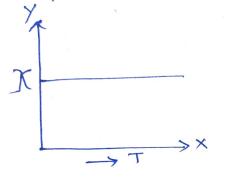
In para magnetic morterials, the susceptability decoreases with incorease of temperature due to lattice thermal (viborations.

-> ferror magnetic materials cully le temp

In feelow magnetic materials, as the temperature increases upto currie temperature the behaves as fermo and beyond curmie

temperature, it is converted as para and then susceptability decreases due to lattice thermal viborations.

-> dia magnetic materials



For dia magnetic moitorials, the susceptibility is independent of temperature