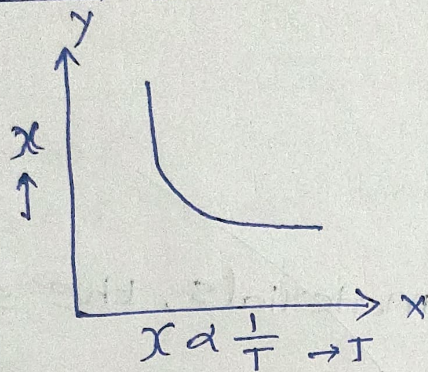


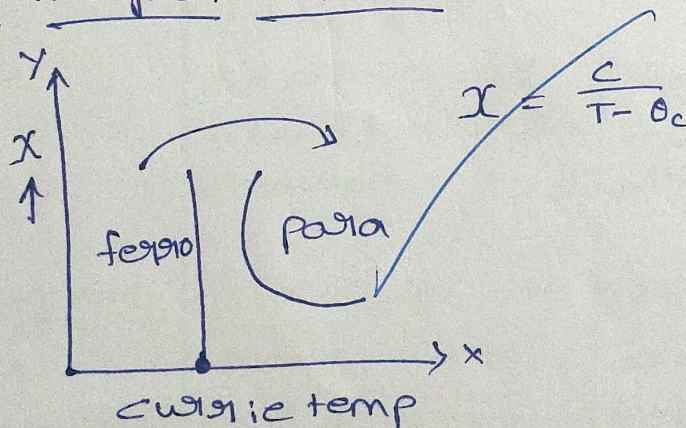
Q) Discuss susceptibility vs temperature curve for dia, para and ferro magnetic materials.

Ans: → Paramagnetic materials:



In para magnetic materials, the susceptibility decreases with increase of temperature due to lattice thermal vibrations.

→ ferro magnetic materials

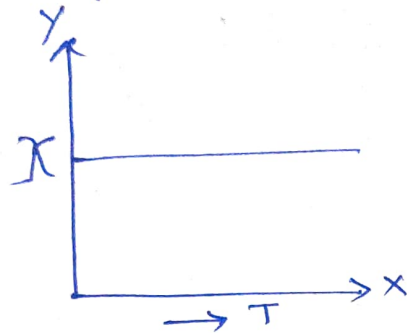


In ferro magnetic materials, as the temperature increases upto Curie temperature the behaves as ferro and beyond Curie



temperature, it is converted as para and then susceptibility decreases due to lattice thermal vibrations.

→ dia magnetic materials



For dia magnetic materials, the susceptibility is independent of temperature.

(X) ✓