CL49_Q1. Obtain the expression saturation magnetization, if the magnetic interaction energy is much greater than the thermal energy.

CL49_Q2. What does Brillouin function represent?

CL49_Q3. Discuss the Brillouin function for magnetic materials for large values of j and when j=1/2. How does this lead to the expression for the paramagnetic susceptibility?

CL49_Q4. How does magnetic susceptibility vary with temperature in case of paramagnetic materials?