

CL50\_Q1. Describe Quantum theory of Para magnetism.

CL50\_Q2. Discuss Weiss theory of spontaneous magnetization and express susceptibility in terms of the modified Curie-Weiss law

CL50\_Q3. Explain how Curie law is modified by internal molecular field and mention the significance of Curie temperature?

CL50\_Q4. Starting from the relation  $M/H = C/T$  explain how Weiss was able to arrive at the paramagnetic behaviour  $\chi = \frac{T}{C-\theta}$ .