CL47_Q1. Obtain the expression for orbital magnetic moment of the electron and Explain Bohr magneton.

CL47_Q2. Estimate the magnetic moment of an electron that revolves around a nucleus in an orbit of $0.53A^0$ radius. If the frequency of revolution 6.6×10^{15} Hz.

CL47_Q3. Why does a magnetic dipole due to orbital motion of the electron precess in a magnetic field?

CL47_Q4. Evaluate the magnetic moment corresponding to one Bohr magneton.

CL47_Q5. What is Larmor precsssion? A magnetic field of 2T is applied to an electron undergoing orbital motion. Calculate the precsssional frequency.