

CL46\_Q1. The magnetic induction inside a medium is given by  $B = \mu_o H + \mu_o M$ .

Discuss this equation with basic principle.

CL46\_Q2. Define the following terms (i) Intensity of magnetization and (ii) relative permeability.

CL46\_Q3. Classify the magnetic materials based on susceptibility of the material .

CL46\_Q4. Explain magnetic flux density B, magnetic flux intensity H and magnetization M . How are they related to each other?

CL46\_Q5. A magnetic field of 2500 A/m is applied to a material which has a susceptibility of 800. Estimate (i) relative permeability (ii) intensity of magnetization and (iii) flux density.