

CHAPTER 4

1. $F = BIl \sin\alpha$ Proof. Max and Min force
2. $F = qvB \sin\alpha$. Max and zero force.
3. Circular and helical motion of charge.
Different expressions of radius, velocity, frequency, time period, pitch
4. Biot Savart law and its circular coil applications.
5. Field at a distance from wire of infinite length
6. Force between two parallel conductors and definition of Ampere.
7. Mag. Field of solenoid Proof.
8. Moving coil galvanometer and its conversion into Ammeter and Voltmeter.
9. NCERT examples & exercise all.