

Chapter 5: Current and Resistance

Write on the topic of “current and resistance” of the following points:

- Electric Current.
- Definition of current and current density.
- The electrical Resistance.
- Resistance and temperature.
- The Electrical Power

Chapter 6: Magnetic Force

Write on the topic of “Magnetic force” of the following points:

- Magnetic field and magnetic force.
- Comparison between the electric field and the magnetic field.
- Motion of a charged particle in a magnetic field
- A current-carrying wire in a magnetic field

Magnetic field of a solenoid

- Magnetic flux.
- Gauss's law in Magnetism