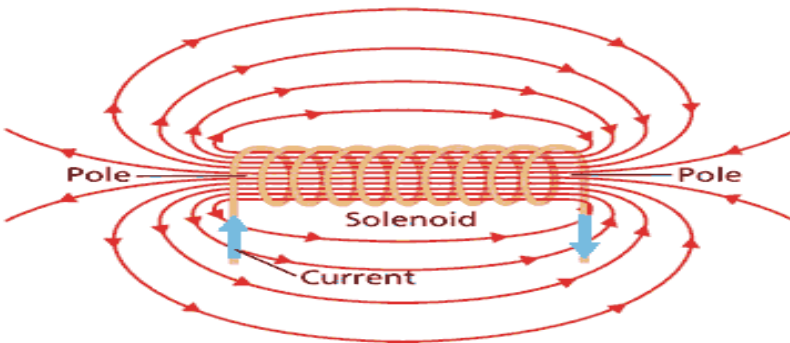


CHAPTER 2. (MAGNETIC EFFECTS OF AN ELECTRIC CURRENT) (BASED ON NCERT PATTERN)

Magnetic field produced due to solenoid :-

Solenoid: It is a long coil containing a large number of turns of copper wire.



When solenoid is connected to a battery and current is passed through it, it also produces a magnetic field which is similar to the magnetic field produced around a bar-magnet i.e., one side of solenoid acts as the north pole & other as the south pole.

Strength of magnetic field can be changed by:-

- Increasing the amount of current.
- Increasing the number of turns of copper wire.
- Decreasing the gap between turns of copper wire.
- The nature of material used in making solenoid.