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CLASS: X(PHYSICS)

- Q1) A current 'I' flows along the length of an infinitely long, straight, thin walled pipe. Then what is the magnitude of the magnetic field at any point inside the pipe?
- Q2) In which path electrons move, if a beam of electrons passes undeflected through mutually perpendicular electric and magnetic fields and electric field is switched off and the magnetic fields are maintained?
- Q3) What happens to the momentum and kinetic energy of a particle if a charged particle moves through a magnetic field perpendicular to its direction?
- Q4) What happens to an electron if a strong magnetic field is applied on a stationary electron?
- Q5) A current carrying straight conductor is placed in the East- West direction. What will be the direction of the force experienced by this conductor due to earth's magnetic field? How will this force get affected on: a) reversing the direction of the flow of current b) doubling the magnitude of current?
- Q6) A coil of insulated copper wire is connected to a galvanometer. What would happen if a bar magnet is :
- i) Pushed into the coil
 - ii) Withdrawn from inside the coil
 - iii) Held stationary inside the coil?
- Q7) On what thing does the induced current produced in a coil by moving a magnet does not depend upon?
- Q8) What are the colours of the LIVE, NEUTRAL, EARTH wires in house hold wiring.
- Q9) What is the difference between TREE and ring system.
- Q10) What is the difference between over loading and short circuiting in an electric supply.