



PHYSICS
CH: 13 MAGNETIC
EFFECTS OF ELECTRIC
CURRENT

Name: _____

Date: _____

Class: X Sec: ____

1. What were the observations made by Oersted in his experiments?
2. What is the shape of the magnetic field lines around a straight current carrying conductor?
3. How can we find the direction of magnetic field lines around a circular current carrying conductor?
4. What is the shape of magnetic field lines around a circular current carrying conductor?
5. Give the factors on which, magnetic field produced by a current carrying solenoid depends?
6. Name the rule used to find the direction force on a current carrying conductor.
7. What are the factors on which the strength of induced current depends?
8. What is the function of armature coil in an electric motor?
9. How is alternating current different from direct current?
- 10 Name three colours used and names of the wires used in house hold wiring.
- 11 Why is earthing important for electrical appliance?
- 12 An alternating current has a frequency of 50hz. How many times does it change its direction in one second?
- 13 What will be the frequency of an alternating current if its direction changes after every 0.01s?
- 14 What is short circuiting in an electric supply?
- 15 Explain the functions of: (i) Commutator (ii) brushes.
- 16 Why is series arrangement not used for domestic circuits?
- 17 Why is pure iron not used for making permanent magnets? Name one material used for making permanent magnets.
- 18 Draw a labelled diagram of domestic wiring circuit which includes (i) a main fuse (ii) a power meter (iii) one light point (iv) a power plug.
- 19 How can you magnetise a piece of magnetic material?
- 20 How is a circuit overloaded ?



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