**Practice Paper**

**Magnetic Effect of Electric Current**

1. What is solenoid? Draw the pattern 0f magnetic field line of a solenoid through which steady current flows.
2. Write four properties of magnetic field lines?
3. Why do we connect earth wire in house? Give two reasons
4. What precautions should be taken to avoid the overloading of domestic circuit?
5. Give an activity to show magnetic field produced by current carrying circular loop?
6. What do you mean by term magnetic field line? List any two properties?
7. Two circular coils A and B are placed closed to each other. If the current in coil A is changed, will some current be induced in the coil B? Give reason.
8. Why does a current carrying conductor kept in a magnetic field experience force? On what factor does the direction of this force depend? Name and state the rule used for determination of direction of current?
9. What is the direction of thumb indicates in right hand thumb rule? In what way this rule is different from Fleming’s left hand rule?
10. No two field lines intersect each other. Explain
11. Draw the pattern of magnetic field lines produced by current carrying circular loop.
12. What is role of fuse in domestic circuit? Why we use the fuse of defined rating?
13. How will deflection of compass get affected if current in straight wire is increased? Support your answer with reason.
14. Differentiate short circuit and over loading?
15. What are permanent magnet and electromagnet? Give two use of each.