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**SERIES - 1**

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**Important Questions  
for Chhattisgarh  
Board Exam ‘2021’**

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**CLASS – 10<sup>th</sup>**

**Subject – Science**

**“Magnetic Effect of Electric Current”**

**2 Marks Questions.**

1. What is an electric motor / electric generator?
2. Name the appliances wherein the electric motor is used. Write the name of any three.

**3 Marks Questions.**

3. What is the principle of an electric motor?
4. Write three main properties of magnet.
5. Why do two magnetic lines of force never intersect each other?
6. What are the properties of magnetic lines of forces?
7. State the rule to determine the magnetic field produced around a straight current carrying conductor.

**4 Marks Questions.**

8. Write the Fleming’s left hand rule.
9. Write four differences between alternating current and direct current. (Any Four)

**5 Marks Questions.**

10. Explain the electric motor / electric generator under the following headings:
  - a. Principle
  - b. Labelled diagram
  - c. Working
11. Plot the magnetic line of force putting the magnetic north towards geographical north. Explain the experiment under the following heads.
  - a. Labelled diagram
  - b. Method
  - c. Two precautions
12. Write the properties of magnetic lines of force.