

## PRACTICE TEST PAPER: CLASS-X

### MAGNETIC EFFECTS OF ELECTRIC CURRENT

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- Q1. State any three appliances that function on Fleming's left hand rule.
- Q2. Explain the role of fuse in series with any electrical appliance in an electric circuit. Why should a fuse with defined rating for an electric circuit not be replaced by one with a larger rating?
- Q3. State the properties of magnetic lines of force.
- Q4. Difference between short circuiting and overloading.
- Q5. There are some differences between electric motor and electric generator. State them.
- Q6. What is electric fuse? What material is used for fuse wire?
- Q7. What is an electromagnet? Draw a circuit diagram to show how a soft iron piece can be transformed into electromagnet.
- Q8. Draw a schematic labelled diagram of a domestic circuit which has a provision of a main base, meter, one light bulb and a socket.
- Q9. Describe an activity to show that a magnetic field is produced by an electric current flowing a circular coil of wire.
- Q10. Describe an activity to demonstrate the pattern of magnetic field lines around a straight conductor carrying current.