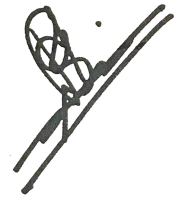


**PHYSICS (GRADE-6)**

**CH - 5 ELECTRICITY AND MAGNETISM**

**Lesson - 4 MAGNETISM**



Mrs. Ruksana & Mrs. Farhana

**1. Explain some properties of magnets.**

Ans.

- i) A magnet can attract magnetic materials such as iron, steel nickel and cobalt.
- ii) A magnet has two poles: North pole (N) and south pole (S).
- iii) Like poles repel and unlike poles attract.

**2. Differentiate between soft and hard magnetic material.**

Ans.

i) Soft magnetic material:

Iron is called a soft magnetic material. It is easy to magnetize but it loses the magnetism very quickly.

ii) Hard magnetic material:

Steel is difficult to magnetize but once magnetized, it keeps it. So, steel is called hard magnetic material.

**3. What makes iron a magnet?**

Ans. Inside a piece of iron, each atom acts as a small magnet called dipole, which are grouped in domains. When iron is exposed to a magnet, the domains line up in North and South Pole directions and behave as a magnet. This makes iron a magnet.

**4. What is magnetic field?**

Ans. The space around a magnet where it can affect magnetic materials is called a magnetic field.