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SUBJECT:- PHYSICS

CLASS:- XTH

DATE:- 30/05/XXI

SUBJECT TEACHER:- MR. NEEL NIRANJAN

CHAPTER 2. (MAGNETIC EFFECTS OF AN ELECTRIC CURRENT) (BASED ON NCERT PATTERN)

Magnet:- It is an object which attracts pieces of iron, steel, etc. towards itself. Man made magnets are of different shapes like

- Bar magnet- a long rectangular piece of magnet
- Horseshoe shaped- U shaped magnet



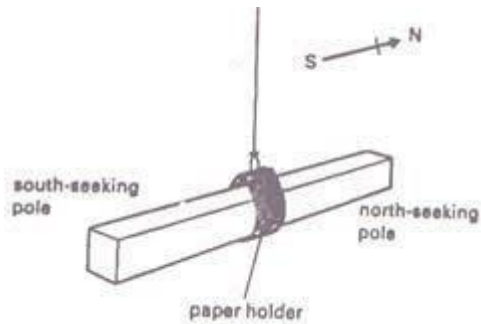
- Magnetic needle



- Magnetic compass

Some facts about magnets:-

- When a magnet is freely suspended, it always aligns towards north-south direction.



- Like poles always repel & opposite poles attract each other.
- Magnet always exists as dipole
- Two poles can never be separated: if we try to cut them then also, both the poles will exist even in a small piece of magnet. It automatically develops the lost polarity.

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- A magnet always develops certain area around it where its effect can be felt i.e. magnetic field.