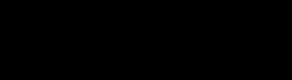


MAGNETIC EFFECT OF CURRENTS



CLASS 10TH

**Q. 1.**

What is a magnetic field?

**Q. 2.**

What are the magnetic lines of force?

**Q. 3.**

What is an electric motor?

**Q. 4.**

What is a solenoid?

**Q. 5.**

Which effect of electric current is utilized in the working of an electric motor?

**Q. 6.**

What is the frequency for a.c (altemating current) in India?

**Q. 7.**

On what principle is an a.c generator based?

**Q. 8.**

Why don’t two magnetic lines of force interest each other?

**Q. 9.**

Name some source of direct current?

**Q. 10.**

When does an electric short circuit occur?

**Q. 11.**

What is the usual colour code followed for connecting ive, neutral and earth wires. Why is it so important?

**Q. 12.**

What are electromagnetic inductions?

**Q. 13.**

State the rule to determine the direction of magnetic field produced around a current carrying conductor?

**Q. 14.**

What is the role of a fuse in the electric circuits?

**Q. 15.**

Explain direct and alternating current?

**Q. 16.**

What is the function of an earth wire? Why is it necessary to earth metallic appliances?

**Q. 17.**

Draw magnetic field lines around a bar magnet?

**Q. 18.**

Why does a compass needle get deflected brought near a bar magnet?

**Q. 19.**

List the properties of magnetic lines of force?

**Q. 20.**

What is the principle of an electric motor?

**Q. 21.**

State the principle of an electric generator.

**Q. 22.**

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.

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