CLASS X

SCIENCE

CHEMICAL EFFECTSOF ELECTRICCURRENTS

ASSIGNMENT

1.Define a solenoid. Compare the magnetic field produced by a solenoid with that of a bar magnet?

2.Give one important advantage of AC over DC

3.Give the circuit symbol for a fuse. Explain its importance in a circuit.

4.Give a note on Magnetism in Human beings.

5.What is meant by earthing? Why should electrical appliances be earthed?

6.State Fleming's right Hand Rule. Give the principle, construction and working of the AC generator with a simple diagram. What modification will you suggest so that the output is DC

7.How can you convert an A.C. into a D.C. generator?

8.What is a magnetic field?

9.Distinguish between a solenoid and a bar magnet. Draw the magnetic lines for both

10.Which effect of electric current is utilized in the working of an electric fuse?

11.What will you do if you see a person coming in contact with a live wire?

12.Explain why, two magnetic lines of force do not intersect.

13.State the right hand thumb rule.

14.How will you find out the direction of the magnetic field produced by current-carrying conductor?

15.Distinguish between a bar magnet and an electromagnet.

16.How does alternating current differ from the direct current?

17.Why is a fuse wire made of a tin-lead alloy and not copper?

18.Give two reasons why different electrical appliances in a domestic circuit are connected in parallel.

19.Why is a fuse wire made of a tin-lead alloy and not copper?

20.Explain the principle and working of an electric motor with the help of a diagram. What is the function of a split ring commutator?