

Chapter- 13

MAGNETIC EFFECT OF ELECTRIC CURRENT

WORKSHEET

1. The mains power supply of a house is through a 2A fuse. How many 50W bulbs can be used in this house at the normal voltage?

- A. 7
- B. 8
- C. 5
- D. 6

2. In your city electricity costs 40 paise per kilowatt hour. You pay for:

- A. Electric current
- B. Electric energy
- C. Electric charge
- D. Electric power

1.

3. A magnetic field line is used to find the direction of:

- A. South-north
- B. A compass needle
- C. A bar magnet
- D. Magnetic field

4. The mains power supply of a house is through a 20A fuse. When a 1500 W heater is used in this house, how many 100 W bulbs can be used simultaneously? (The supply is at 220 V and the appliances are rated for 220V)

- A.35
- B. 29
- C. 30
- D.19

5. A magnetic field line is used to find the direction of:

- A. South-north
- B. A compass needle
- C. A bar magnet
- D.Magnetic field

6. The magnetic field lines inside a current carrying solenoid, are:

- A. Along the axis and parallel to each other
- B. Circular, but they do not intersect each other
- C. Circular at the ends inside the solenoid
- D.All of these

7. A strong bar magnet is placed vertically above a horizontal wooden board. The magnetic lines of force will be:

- A. Only in horizontal plane around the magnet
- B. Only in vertical plane around the magnet
- C. In horizontal as well as in vertical planes around the magnet
- D. In all planes around the magnet

8. _____ are generally made up of pure tin or an alloy of tin with other metals like copper.

- A. Metal wires
- B. Fuse wires
- C. Circuit
- D. Electric iron

9. The most suitable material for making the core of an electromagnet is:

- A. Soft iron
- B. Brass
- C. Aluminium
- D. Steel

10. The north pole of earth magnet is in the:

- A. Geographical south
- B. Geographical east
- C. Geographical west
- D. Geographical north

