

**Bharatiya Vidya Bhavans, V.M. Public School**

**Ch 14- Electric Current and its Effects**

**I Fill in the blanks.**

- a) The instrument which measures the current is called \_\_\_\_\_.
- b) The closed path along which electric current flows is called an \_\_\_\_\_
- c) \_\_\_\_\_ of a conductor is the measure of hindrance it creates to the flow of electric current that passes through it.
- d) \_\_\_\_\_ was the first scientist who noticed the magnetic effect of current.
- e) \_\_\_\_\_ are more energy efficient than ordinary bulbs.

**II Answer the following questions.**

- Q1 Name three appliances that work on heating effect of current. Why the heating elements are made from Nichrome alloy?**
- Q2 What is an electric fuse? How does it work?**
- Q3 What are the factors on which the amount of heat produced by a current carrying conductor depends?**
- Q4 Explain the working of an electric bell with the help of a neat, labelled diagram.**
- Q5 What is an electromagnet? What are the uses of electromagnets?**
- Q6 What measures should we take to conserve electricity? ( any three)**

**III Choose the correct option**

- 1 Which metal is the best conductor of electricity**
  - a) Iron      b) silver      c) Gold      d) Copper
- 2 Tungsten is used in a bulb because it has**
  - a) High melting point   b) Low melting point   c) High temperature   d) Low temperature
- 3 Which of these instrument does not work on heating effect of electric current?**
  - a) Electric iron    b) Toaster    c) Geyser    d) Electric motor
- 4 Which of these appliances does not use an electromagnet?**
  - a) Refrigerator   b) Washing machine   c) Room heater   d) Electric bell
- 5 Resistance of a conductor is measured in**
  - a) Ampere      b) Ohms      c) Volts      d) None of these