

# Application of Heating and Magnetic Effect of Current

## 1. Fill in the blanks

- A. Electric heater contains a coil of wire which is called \_\_\_\_\_.
- B. The amount of \_\_\_\_\_ produced in a wire depends on its \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
- C. Full form of LED is \_\_\_\_\_.
- D. Full form of CFL is \_\_\_\_\_.
- E. Fluorescent tubes and CFLs contain \_\_\_\_\_ which \_\_\_\_\_ in nature.
- F. The end of a crane has a strong \_\_\_\_\_ attached to it.

## 2. True or false

- A. Electrical appliances, such as immersion heaters, hotplates, irons, geysers, electric kettles, hair dryers, have elements inside them
- B. LED bulbs consume less electricity as compared to incandescent bulbs or fluorescent tubes or CFLs

## 3. Answer the following questions

- A. What is heating effect of the electric current? Explain by an example
- B. List down the electric appliances where the heating effect of the electric current is used?
- C. What are the advantages and disadvantages of heating effect of electric current?
- D. What is the magnetic effect of the electric current? Name the scientist who identified this effect first.