

**BCM SCHOOL  
BASANT AVENUE, DUGRI ROAD, LUDHIANA  
Class VII SCIENCE  
Assignment**

Tick the correct option

1. Electromagnet loses its magnetic property when

- (a) Current is very high.                      (b) Current is switched OFF  
(c) Heat is increased                          (d) Current is switched ON

Ans (b) Current is switched OFF

2.(c) fragmentation

3.(c) transfer of pollen from anther to stigma

4. (d) A is false but R is true

5. (a) Both are true and A is correct explanation of R

6. Metals, especially copper, are very good conductors of electricity, allowing

current to flow efficiently. Copper is used commonly due to cost and availability

7. (i) Pollen grain, (ii) Pollen tube, (iii) Zygote

8. A) There would be severe competition for sunlight, water, minerals and space. As a result the seeds would not grow into healthy plants.

B) Fungi on a bread piece grow from spores which are present in the air. When spores are released they keep floating in the air. As they are very light they can cover long distances. Spores are asexual reproductive bodies. Each spore is covered by a hard protective coat to withstand unfavourable conditions such as high temperature and low humidity. So they can survive for a long time. Under favourable conditions, a spore germinates and develops into a new individual.

9.The amount of heat produced in a wire depends on its material, length and thickness. Thus, for different requirements, the wires of different materials and different lengths and thicknesses are used.

B) Since the magnetic effect directly depends on the number of turns of the coil. As, Paheli's coil has more number of turns than Boojho. So, her electromagnet is stronger than Boojho. So, electromagnet of Paheli attracts more pins as compared to Boojho

10. Case study

Electricity is the form of energy which we use electricity for many purposes to make our tasks easier. Electricity makes it possible to light our homes, roads, offices, markets and factories even after sunset. A bulb has a thin wire that gives off light. The wire of an electric bulb gets heated to such a high temperature that it starts glowing. Nowadays The

fluorescent CFLs and LED bulbs are being used for lighting as they are considered to much better than incandescent electric bulbs. However, damaged CFLs need to be disposed off safely. It is advised to use electrical appliances and gadgets, which are electricity efficient. It also advisable to use ISI marked electrical appliances and gadgets

**Q.1. What is the name of thin wire in the electric bulb?**

**Ans filament**

**2. CFLs and LED stand for:**

**Ans Compact fluorescent lamps and light emitting diode.**

**3. Fluorescent tubes and CFLs contain toxic gas:**

**Ans Mercury**