

Biology Project Assignment

- 1.D. N. A. Fingerprinting**
- 2.Human Genome Project**
- 3.Pedigree Analysis**
- 4.Ozone Depletion**
- 5.Microbes in Human Welfare**

Physics Project Assignment

Investigatory Project Class 12 Physics

- To study various factors on which the internal resistance/EMF of a cell depends.
- To study the variations in current flowing in a circuit containing an LDR because of a variation in
 - (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance).
 - (b) the distance of an incandescent lamp (of fixed power) used to 'illuminate' the LDR.
- To find the refractive indices of
 - (a) water
 - (b) oil (transparent) using a plane mirror, an equi-convex lens (made from a glass of known refractive index) and an adjustable object needle.
- To design an appropriate logic gate combination for a given truth table.
- To investigate the relation between the ratio of
 - (i) output and input voltage and
 - (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
- To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
- To estimate the charge induced on each one of the two identical styrofoam (or pith) balls suspended in a vertical plane by making use of Coulomb's law.
- To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
- To study the earth's magnetic field using a tangent galvanometer.

Chemistry Project Assignment

1. Determine the quantity of Casein in Milk
2. Dyeing of wool, Silk and Cotton in Malachite Green
3. Effects of Dye on Different Types of Fabric
4. Environment Pollution
5. Discoveries in the Field of Chemistry
6. Which of the Plant Material Used
7. Which Road Deicer Corrodes Steel the Most?
8. Fermentation
9. Fuel Go Boom
10. Get More Hydrogen from your Water
11. Measuring Solubility
12. Measuring the Amount of Acetic Acid in Vinegar
13. Mohr's salt

Informatics Practices

Project Assignment

- 1. Slame Book Management**
- 2. Airline Reservation Management**
- 3. Report card Management**
- 4. Library Management**
- 5. Hotel Management**
- 6. Quiz program Management**
- 7. Hospital Management**
- 8. Inventory Management**