

Split syllabus of Physics practical Class 12th

First Term

Experiments:

Exp 1: To determine the resistivity of two given wire by plotting a graph between potential difference and versus current.

Exp 2: To determine the resistance of given wire using metre bridge.

Exp 3: To verify the laws of combination using metre bridge.

Exp 4: To determine the resistance of galvanometer by half deflection method and to find it's figure of merit.

Activities:

Act 1: To assemble the house hold circuit comprising three on/off switches,a fuse,a power of sources.

Act:2: To assemble the components of given electrical circuit.

Act 3: To study the variation in potential drop with length of a wire for steady current.

Act 4: To draw the diagram of a given open circuit comprising at least a battery, resistor,key, ammeter,and voltmeter.and correct the circuit and also the circuit diagram.

Final exam

Experiments

Exp: 1 :To find the value of v for different values of u in case of concave mirror and to the focal length.

Exp 2: To find the focal length of convex lens by plotting a graph between u and v .

Exp 3: To determine the angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.

Exp 4: To determine the refractive index of glass slab using travelling microscope.

Activities

Act 1: To observe refraction and lateral deviation of a beam of light.

Act 2: To study the nature size of image formed by convex lens on a screen by using a candle and a screen.

Act 3: To obtain a lens combination with specified focal length by using two lenses from the given set of lenses.

Act 4: To study the nature and size of image formed by concave mirror on a screen by using candle and a screen.

One PROJECT will be given in final exam

Note: The syllabus of first Term will be also included in final exam.