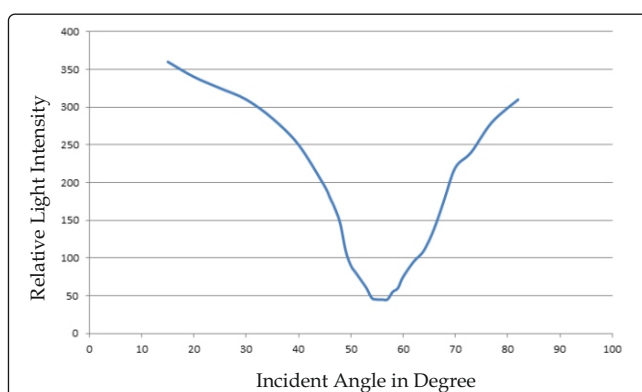
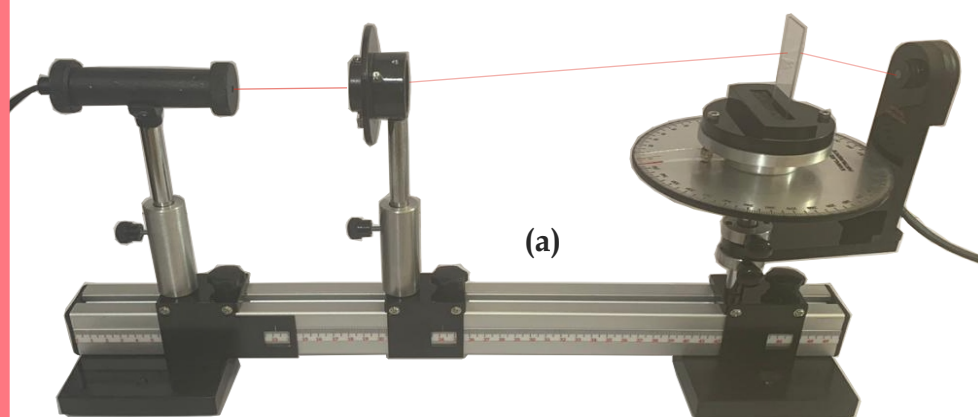


## Experiment(s):

1. Determination of Polarization angle or Brewster's Angle.
2. Determine Refractive Index of sample

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))



## Experiment Setup Consists:

- a) Optical Bench
- b) Laser Power Supply and Laser Detector

## Specifications:

### a) Optical Bench:

Bench Length: 500 mm  
Sliders: 3 (Laser, Polarizer & Goniometer)  
Material: Cast Iron heavy base with leveling screw, hardened Aluminium rail

### Semi-conductor Diode Laser

Laser: 650 nm (Red)  
Power: 5 mW

### Polarizer

Graduated on 360° rotating platform

### Goniometer

Graduated on 360° Fixed Platform with rotating sample bed and rotating pin hole sensor

### b) Power Supply and Detector:

Power Supply: Capable of powering up to 10mW semiconductor Laser  
Detector: Connected to Relative Light Intensity meter with auto

Reference : Lab Experiments Journal vol-12, No.3, Page-190



## KAMALJEETH INSTRUMENTS

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