

DKM College For Women (Autonomous), Vellore

Department of Physics

Subject: Allied Physics Practical

Subject Code :21CAPH2A

Credit:2

List of Experiments

1. Young's Modulus- Non-uniform bending method using Pin and Microscope.
2. Determination of rigidity modulus by static torsion method.
3. Torsion Pendulum - determination of rigidity modulus – without mass.
4. Determination of Co-efficient of viscosity- Graduated Burette.
5. Determination of surface tension by drop weight method.
6. Specific heat capacity of a liquid- by Newton's law of cooling.
7. Sonometer- Determining A.C Frequency (Screw gauge is given)
8. Potentiometer – calibration of low range voltmeter.
9. Potentiometer – calibration of ammeter
10. Figure of merit and voltage sensitiveness of a galvanometer.
11. Air wedge – diameter of thin wire
12. Spectrometer – determination of angle of prism and refractive index
13. Spectrometer – Grating – minimum deviation –Wavelength of mercury lines.
14. Construction of AND, OR gates using diodes and NOT by using transistor
15. Reverse characteristics of Zener diode-Zener diode as voltage regulator.