

DEPARTMENT OF PHYSICS
KARANJIA (AUTO) COLLEGE, KARANJIA

Sl. No.	Experiments	Quantity	Net amount
1	Millikan Oil Drop Apparatus to determine charge of an electron		
2	Study Quantum Efficiency of CCDS		
3	Study of Electron Spin Resonance-determine magnetic field as a function of the resonance frequency		
4	To measure Magnetic susceptibility of solids		
5	To study the Polarization of light by reflection and determine the polarizing angle for air-glass interface		
6	To analyse elliptically Polarized light using Babinet compensator		
7	To determine mechanical equivalent of heat by Callender and Barnes constant flow method		
8	Determine temp.co-efficient by platinum resistance thermometer		
9	To study the variation of Thermo- Emf of a Thermocouple with difference of temp.of its two junction	2	
10	To determine self inductance of a coil by Anderson's bridge		
11	To design Wien bridge oscillator for given frequency by using an OP-AMP		
12	To show tunnelling effect in tunnel diode using I-V Characteristics	2	
13	Determine co-efficient of thermal conductivity of Cu using Searl's apparatus		
14	Determine wavelength of laser source using diffraction of single,double slit		
15	Determine wavelength of He-ne laser source using diffraction grating		
16	Hot plate 8inch dia with energy regulator		
17	Digital multimeter		

Brand : NVIS, ASICO etc.

Condition:-
No instrument will be
procured by the dept.
without providing demo
for instrument.

Satyabrata Singh Dharua

S.S. Dharua
HoD physics