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# DEPARTMENT OF PHYSICS SURENDRANATH COLLEGE

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Ref. No. ....

Date: .....20.....

## Department of Physics

### List of laboratory equipments and approximate prices to be purchased from Lab Fund for the session 2019-20

Sl. No.	Description of Apparatus	Comp. name	Model No	Approx.Price
1	To study PE hysteresis of ferroelectric crystal.		PEH-03	42500
2	To study BH hysteresis of ferromagnetic material		HLT-111	42000
3	Measurement of magnetic susceptibility of solids		SSP-01	88500
4	To determine Brewster's angle for air-glass interface using a prism		EMT-007	33040
5	To verify the Malus law using a pair of polaroids.		EM-045	22420
6	Determination of wavelength and velocity of ultrasonic waves in a liquid (kerosene, Xylene etc).		EMT-03	35000
7	To analyze elliptically polarized light by using babinete compensator.		EMT-001	30000
8	Measurement of variation of resistivity in a semiconductor and investigation of intrinsic band gap using linear four probe.		DEP-03	28900
9	To study temperature coefficient of a semiconductor (NTC thermistor) and construction of temperature controller with comparator and relay switch		EMT-08	33040
10	Construction of 4 bit shift registers (serial & parallel) using D type FF IC 7476.		DSA-004	5310
11	To study OPAMP: inverting amplifier, non inverting amplifier, adder, subtractor, comparator, Schmitt trigger, Integrator, differentiator, relaxation oscillator		ASP-013	5000

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07/10/20