

Name of Lab: - Physics Lab

Name of Lab in charge: - Prof. Shinde S. A

The objective of this lab is to demonstrate an ability to make physical measurements and understand the limits of precision in measurements, to develop the ability to use experimental statistics to determine the precision of a series of measurements, also demonstrate the ability to measure properties of a variety of electrical and optical systems. This lab all equipment as per requirement of MSBTE for subject of Basic & Applied Physics which introduce in I scheme for first year student.

Maharashtra State Board of Technical Education

Equipment List

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Particulars: Specifications of Major/essential Equipment required for conduction of practical as per curriculum

Sr. No	Particulars	No Of Available	Cost
1	voltmeter	6	3300
2	ammeter	6	3300
3	characteristics of transistor	2	4750
4	coefficient of absorption	2	10900
5	compound pendulum	2	1150
6	dc powerpower supply 0-15 v	2	3500
7	diffraction grating	3	1095
8	digital capacitor meter	2	3500
9	effective capacitance in parallel & series	2	5400
10	effective capacitance in parallel and series(kit)	2	6100
11	encloser for 72*72 mm paner meter	12	4608
12	energy band gap of semi conductor	2	6675
13	energy band gap of semi conductor(kit)	1	4500
14	fibre optics training kit	2	9500
15	galvanometer	2	395
16	glass slab	2	208
17	joules calorimeter complete expt	2	5960
18	kit charging and discharging of condenser with sto	2	11250
19	laser	1	26000
20	mercury lamp with choke and	2	2650

	slit box		
21	meter scale	2	167
22	meterbridge	2	6300
23	micrometer screw guage	4	700
24	moment of inertia	2	3000
25	p-n junction diode characteristics kit	2	3000
26	photo voltaic cell characterstics apparatus	2	3800
27	photometer	2	8200
28	platinum resistance thermometer	2	9800
29	prism	3	1370
30	pulingers apparatus	2	3600
31	pullinges apparatus	2	7500
32	resistance box 1 to 1000 ohm	3	2015
33	resonance apparatus	2	2650
34	screw gauge	2	155
35	sm-spirit level	2	251
36	sodium vapor lamp 35 w with choke and bulb	1	4950
37	soldering gun(solderon 25 w-230 v)	1	190
38	sonometer	2	1610
39	spectrometer	2	8800
40	spherometer1/2 mm pitch	2	165
41	spiral spring	2	2600
42	surface crake	2	5000
43	surface tension apparatus	2	7295
44	thermocouple expt	2	8900
45	tool : vernier caliper 150mm	1	334
46	tool : vernier caliper 150mm	3	495
47	weighing machine(0-1000 g)	1	9800
48	prism	2	320
49	bar magnet	2	350
50	magnetic compass	2	200
51	wodden scale	2	160
Total Cost			218418

Lab In charge

HOD