

**AUXILIUM COLLEGE OF EDUCATION, KIDANGOOR, ANGAMALY**

**PHYSICS LABORATORY**

SI No	Equipments	Experiment	Quantity
	<b>FURNITURE</b>		
1	Physics table		2
2	Stools		16
3	Basins		1
4	Cupboard		1
	<b>APPARATUS</b>		
1	Density cubes	To explain properties of matter	1
2	Newton's colour disc	For demonstrating that white light is a combination of seven different colours	1
3	Common balance	Used in common balance	1
4	Physical Wt.Box	To measure weight	1
5	Vernier calipers	To measure length, breadth accurately	4
6	Screw gauge	To measure thickness accurately	2
7	Parallelogram apparatus	To verify the force acting on point	1
8	Spring balance 1 Kg	To measure weight	3
9	Spring balance 250 Kg	To measure weight	1
10	U-Magnet 2"	Magnetic experiments	1
11	Bar magnet 5 cm		2
12	Magnetic needle stand		1
13	Magnetic compass 502 MM		5
14	Compass 18 MM diameter		2
15	Plane Mirror	Optical experiments	3
16	Lens holder		3
17	Lens Screen		3
18	Illuminated wire gauze		1
19	Mirror-convex FL 20cm 50mm dia		1
20	Mirror-convex FL 25cm 50mm dia		1
21	Mirror-convex FL 15cm 50mm dia		2
22	Mirror-concave FL 20cm 50mm dia		3
23	Mirror-concave FL 10cm 50mm dia		1
24	Lens convex FL 20cm 50mm dia		1
25	Lens concave FL 15cm 50mm dia	2	
26	Lens concave FL 30cm 50mm dia	1	
27	Prism 50X50	1	
28	Resistance box 1 to 10 OHM	To test physical properties of electricity	1
29	Resistance box 1 to 500 OHM		1
30	Resistance box 1 to 5000 OHM		1
31	Voltmeter 10 V	To measure voltage	2
32	Voltmeter 100 mV		1
33	Voltmeter 2 V		1
34	Voltmeter 3 V		1
35	Ammeter 0 to 5 amp	To measure current	2
36	Ammeter 0 to 3 amp		1
37	Galvanometer	To find the direction of current, used in magnetic and electrical expts.	3
38	Multimeter	To measure voltage, current and resistance	1
39	Battery eliminator	Convert electrical source to suitable DC voltage	1
40	Thermometer	To measure body temperature	2
41	Wet and dry bulb thermometer	To measure the relative humidity of atmosphere	2
42	Leclanche cell	Used in electrical expts.	1
43	Daniel cell		1

44	Sphernometer	To find radius of curvature of lens	1
45	Hares apparatus	Used to compare densities of two liquids	1
46	Mercury metal pure 100 mg		2
47	Jockey knief edge	Used in meter bridge and wheaston's bridge	2
48	Battery clips	Electrical expts.	2
49	Over flow vessel(displacement vessel)	To find volume of solids	1
50	Tuning fork-loose-heavy weight	To measure the velocity of sound in air	3
51	Rubber hammer 2		2
52	Resonance column		1
53	Telescope astro cum terrestrial	To view sky	1
54	Bimetallic strip(compound strip)	For demonstrating unequal expan. Of diff. metals upon heating	1
55	Rheostat	Used to maintain constant current	1
56	Calorimeter	To find specific heat capacity of metals	1
57	Ball and ring with chain	To find thermal expansion of metals	1
58	Hand lens	To get a closer view and to magnify objects	1
59	Spring silky	For wave demonstration experiment	1
60	Periscope	To observe from a concealed place	1
61	Drawing board	To draw magnetic field pattern	2
62	Drawing pin	To fix the paper on the board	1 box
63	Meter scale 1m long	To measure length	3
64	Meter scale ½ m long	To measure length	2
65	Stop clock	To calculate time taken for an expt.	2
66	Stop watch 1-10		2
67	Plug key 1 way	Used in electrical expts.	1
68	Plug key 2 way		2
69	24 dcc wire 100 gm	Used in electrical expts.	1
70	Copper wire 500 gm		1
71	Inclined plane and friction board(wooden)	To demonstrate composition of force and to determine co efficient of friction between different metals	1
72	Pendulum bob	Lowest part of pendulum	4
73	Masses on carrier		3