

(PHYSICS LAB)

Report on Modernization of existing science labs

Sr. No	List of instrument	whether all equipments have been tested and being used regularly (yes/No)	Have they been properly displayed in the labs (yes/No)	Is there any issue with the usage in this regard	Remark
1.	Meter bridge	yes	yes	No	Most of the apparatus supplied by the Sangathan not match up with the practical syllabus XI & XII, most of these instruments are actually teaching aids.
2.	Potentiometer	yes	yes	No	
3.	Resonance tube apparatus	yes	yes	No	
4.	11 gm force apparatus	yes	yes	No	
5.	Vanier calipers	yes	yes	No	
6.	Digital multimeter	yes	yes	No	
7.	Sphero meter	yes	yes	No	
8.	Zener kit with two meter	yes	yes	No	
9.	P-N junction kit with two meter	yes	yes	No	
10.	Hooks law apparatus	yes	yes	No	
11.	Stokes law apparatus	yes	yes	No	
12.	Simple pendulum	yes	yes	No	
13.	Capillary tube apparatus	yes	yes	No	
14.	Helical spring apparatus	yes	yes	No	
15.	galvanometer	yes	yes	No	
16.	Sonometer	yes	yes	No	
17.	Tuning fork	yes	yes	No	
18.	Ammeter	yes	yes	No	
19.	Voltmeter	yes	yes	No	
20.	Optical bench	yes	yes	No	
21.	Travelling microscope	yes	yes	No	
22.	Screw gauge	yes	yes	No	
23.	Power supply	yes	yes	No	
24.	Resistance box	yes	yes	No	
25.	Prism, lances and mirrors	yes	yes	No	
26.	Van- De-Graff generator kit	yes	yes	No	
27.	Capacitance demo kit	yes	yes	No	
28.	Diode laser kit	yes	yes	No	
29.	Demonstration meter kit	yes	yes	No	
30.	Transformer kit	yes	yes	No	
31.	Physics exp. Kit with data logging and data logging accessories	yes	yes	No	
32.	Digital meter	yes	yes	No	

33	Newton's 2 nd law app.	Yes	Yes	No	
34	Hydraulic press	yes	yes	No	
35	Projectile launcher	yes	yes	No	
36	Magnetizing/ demagnetizing coil	yes	yes	No	
37	Electrostatic kit	yes	yes	No	
38	Field lines & equipotential lines	yes	yes	No	
39	Dia, para, ferromagnetism	yes	yes	No	
40	Ring launcher	yes	yes	No	
41	Compact wave tank	yes	yes	No	
42	Ray optic kit	yes	yes	No	
43	Laser ray kit	yes	yes	No	
44	Bell experiment	yes	yes	No	
45	Law of resistance board	yes	yes	No	
46	Optical kit	yes	yes	No	
47	Kit for magnetism experiment	yes	yes	No	
48	Mechanics kit	yes	yes	No	
49	Free fall apparatus	yes	yes	No	
50	Linear air track with timer	yes	yes	No	
51	Electricity kit	yes	yes	No	
52	Heat and thermometer kit	yes	yes	No	
53	Basic electricity kit	yes	yes	No	
54	Law of motion kit	yes	yes	No	

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MODERNIZATION OF EXISTING SCIENCE LABS : CHEMISTRY LAB
SESSION 2018-19
NON CONSUMABLE ITEMS

S. NO.	NAME OF ARTICLE/APPERATUS	WETHER ALL EQUIPMENTS HAVE BEEN TESTED AND BEING USED REGULARLY	HAVE THEY BEEN PROPERLY DISPLAYED IN THE LAB	IS THERE ANY ISSUE WITH THE USAGE IN THIS REGARD	ANY COMMENT/ SUGGESTION FROM TEACHER
1	BEAKER 1000ml	YES	YES	NO	
2	BEAKER 100ml	YES	YES	NO	
3	BEAKER 250ml	YES	YES	NO	
4	BEAKER 50ml	YES	YES	NO	
5	BEAKER 500ml	YES	YES	NO	
6	BOILING TUBE	YES	YES	NO	
7	BURETTE 50ml	YES	YES	NO	
8	CAPILLARY TUBE	YES	YES	NO	
9	CENTRIFUGE TUBE	YES	YES	NO	
10	CHINA DISH	YES	YES	NO	
11	CONICAL FLASK 100 ml	YES	YES	NO	
12	CORK BORDER	YES	YES	NO	
13	DROPPER (MEDIUM	YES	YES	NO	
14	FUNNEL	YES	YES	NO	
15	GLASS ROD	YES	YES	NO	
16	GLASS TUBE (THIN)	YES	YES	NO	
17	IRON STAND (WITH CLAMP)	YES	YES	NO	
18	MEASURING CYLINDER	YES	YES	NO	
19	MEASURING FLASK 100ml	YES	YES	NO	
20	MEASURING FLASK 500ml	YES	YES	NO	
21	MORTOR AND PASTLE	YES	YES	NO	
22	MEASURING CYLINDER 250 ml	YES	YES	NO	
23	MEASURING CYLINDER 100 ml	YES	YES	NO	
24	MEASURING CYLINDER 10 ml	YES	YES	NO	
25	PIPPET 10ml	YES	YES	NO	
26	PLATINUM WIRE	YES	YES	NO	
27	REAGENT BOTTLE WITH NARROW MOUTH	YES	YES	NO	
28	REAGENT BOTTLE WITH LARGE MOUTH	YES	YES	NO	
29	ROUND BOTTOM FLASK	YES	YES	NO	
30	RUBBER CORK	YES	YES	NO	
31	SPATULA STEEL	YES	YES	NO	
32	TEST TUBES 10 ml	YES	YES	NO	
33	TEST TUBE BRUSH	YES	YES	NO	
34	TEST TUBE HOLDERS	YES	YES	NO	
35	TEST TUBE STAND(PLASTIC)	YES	YES	NO	
36	THERMOMETER	YES	YES	NO	
37	TRIANGULAR FILE	YES	YES	NO	
38	TRIPOD STAND	YES	YES	NO	
39	VOLUMETRIC FLASK 100ml	YES	YES	NO	
40	WATCH GLASS	YES	YES	NO	
41	WASH BOTTLE	YES	YES	NO	
42	WIRE GAUZE	YES	YES	NO	
43	Digital balance (least count 1mg)	YES	YES	NO	
44	Dropping bottles 125 ML	YES	YES	NO	
45	MELTING POINT APPARATUS	YES	YES	NO	
46	ANALYTICAL APPARATUS	YES	YES	NO	
47	pH METER HAND HELD	YES	YES	NO	
48	CHEMISTRY KIT WITH DATALOGGING	YES	YES	NO	
49	CHEMISTRY KIT WITH DATALOGGING ACCESSORIES	YES	YES	NO	
50	DISTILLATION KIT	YES	YES	NO	

CONSUMABLE ITEMS