

Physics equipments for H.S. & B.Sc practical, Joya Gogoi College, Khumtai.

SL NO	Name of equipment	Nos
1	Bar magnet	5
2	U magnet	5
3	Prism	3
4	compass	5
5	Pendulum	2
6	Lens (concave, convex,plane)	10 pic
7	screw gauge	5
8	slide calipers	5
9	optical bench accessories	2
10	ohms law apparatus	2
11	vibration magnetometer	1
12	spectrometer	2
13	spherometer	2
14	voltmeter	2
15	Ammeter	2
16	Thermometer	2
17	Galvenometer	2
18	Stopwatch	2
19	series RC circuit	2
20	Potentiometer	2
21	LCR circuit	2
22	Rigid circular cylinder	3
23	Transistor	4
24	Anderson's bridge	1
25	Ballistic galvenometer	3
26	Cauchy's constant apparatus	1
27	Protractor	2
28	Vernier calipers	2
29	Meter scale	2
30	Telescope	2
31	Spirit level	3
32	Physical balance and a weight box	3
33	Pin	
34	Audio frequency oscillator	2
35	AC voltmeter	3
36	zener diode (with breakdown voltage in the range of 3 to 10V)	1
37	Transistorised power supply (0-4V 2 sets, 0-10V 4sets, 0-15,4 sets 0-30 V ,4 sets)	
38	Wire Gauge	3
39	stands	2
40	Galvenometer	1
41	Diodes(BY 126, BY 127)	2
42	Inductors (150mh)	2
43	Resistors (100ohm,2ohm)	2
44	Variable Power Supply(Or 15V to -15V)	2
45	Strong (bar) magnet	2
46	Transistorised power supply ($\pm 12V$)	2

47	Convex lens focal length 10-15 cm	4
48	Concave lens focal length 10 cm	3
49	Plane mirror	2
50	Glass plate	2
51	Polarimeter	2
52	Meter bridge	2
53	Rheostat	3
54	Deflection galvanometer	3
55	Solenoid	2
56	Polariser/Analyser	2
57	Capacitors(electrolytic and boxes)	1

	Biology practical equipments and items	(minimum size bottle)
s/no	name	no
1	Eehling's solution	1
2	Benedic Solution	1
3	Methylene Blue Solution	1
4	NaOH Solution	1
5	Iodine solution	1
6	Millon's Solution	1
7	Compound Microscope	2
8	Biology lab utility kits	2
9	Dissecting box	3
10	Articulated Human Skeleton1	1(small size)
11	Human model eye	1
12	Human model Heart	1
13	Human models kidney	1
14	Human models Stomach	1
15	Human models brain	1
16	Magnifying glass	3
17	Measuring cylinder(100ml,250ml)	2
18	Models of Meiosis	1
19	Models of Mitosis	1
20	Mounted charts showing different Human system	1
21	Mounted charts showing transverse section of Root, Stem and Leaves	1
22	permenent slides (Budding in Hydra)	5
23	permenent slides (congugation in paramecium, Budding in Hydra)	5
24	permenent slides (showing unicellular animals/plants)	5
25	permenent slides (transverse section of root, stem and leaves)	5
26	pH-meter, digital or pen type	1
27	plants models:Bifacial leaf, Bladderwort, Dicot/Root, Gametophyte of Selaginella	1
28	plants model: Typical plant cell	1
29	Safranine	1 (small size bottle)

30	Slide box	1
31	slide projector	1
32	Starch and iodine paper	5
33	Starch Test paper	5
34	Scientific Balance Weighing upto 0.5 kg	1
35	Syringe (2ml)	5
36	Test tube holder	5
37	specimen bottle with different specimen	50
38	plant preserved:Adiantum	2
39	plant preserved:Funaria	2
40	Dissecting tray	4