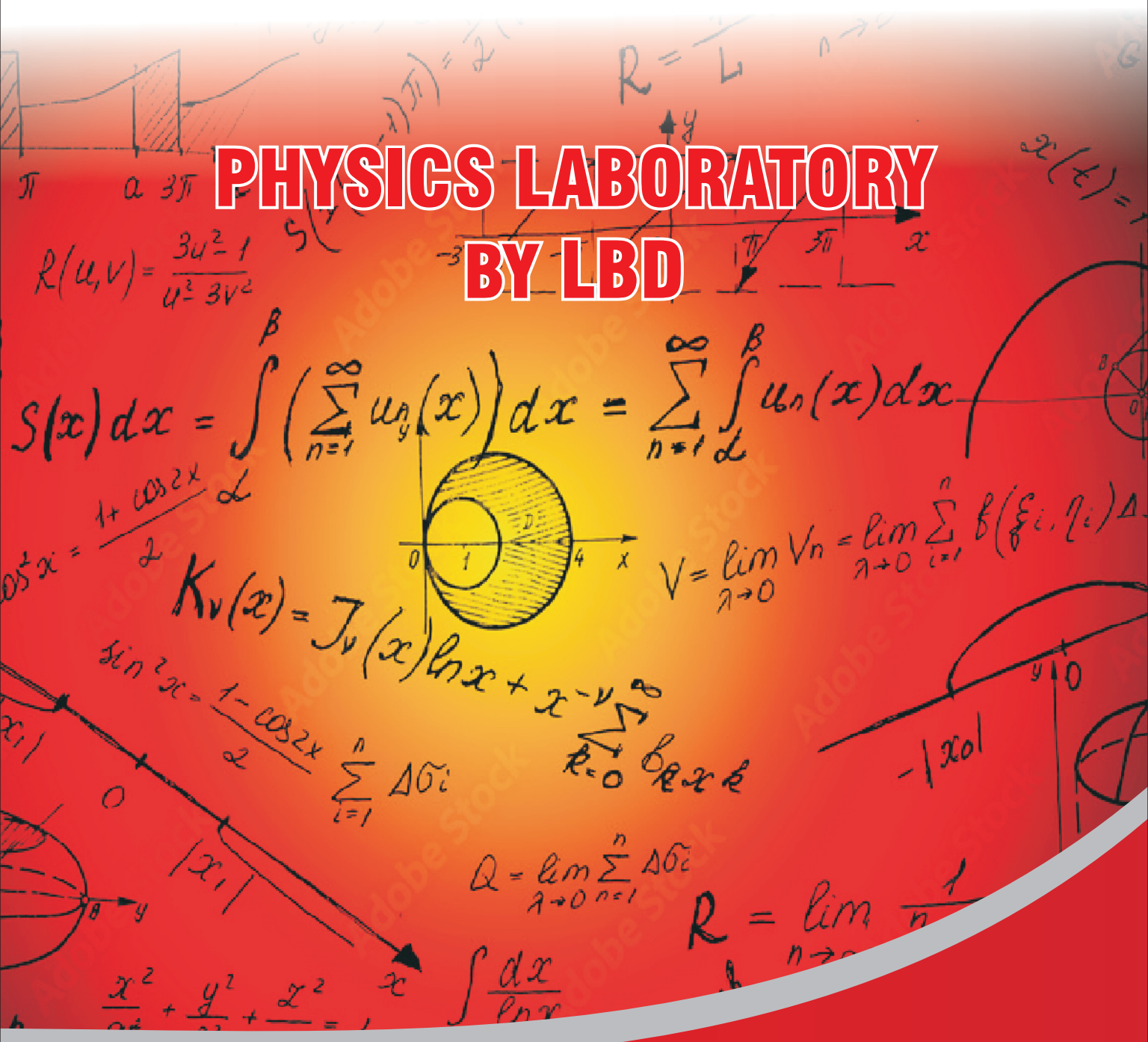


# LBD

Let's Build and Develop

## PHYSICS LABORATORY BY LBD



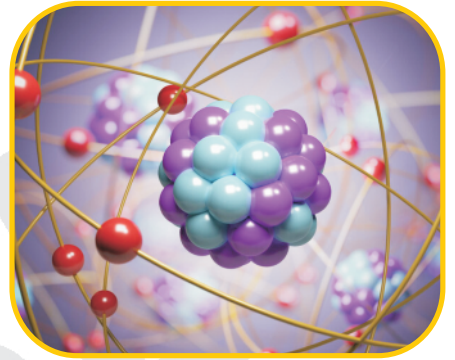
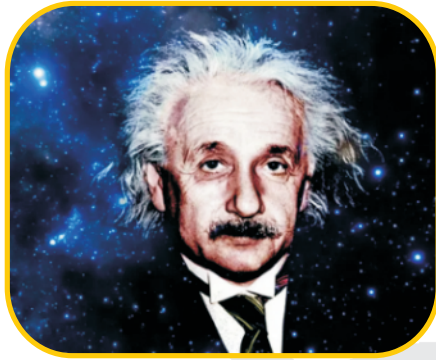
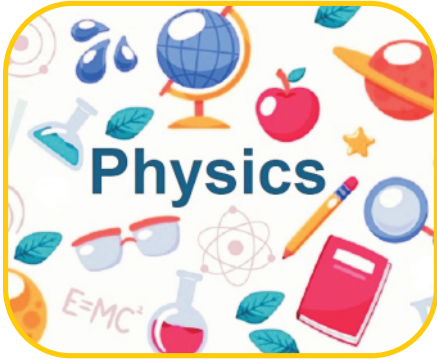
Registered Vendor  
On GEM for ATL Package

[www.lbdrobotics.com](http://www.lbdrobotics.com)

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**W**e, at **LBD** strive to provide quality products for our customers. As it is said that Great products build Great trust, we leave no stone unturned in ensuring quality for our products. Each and every detail of the product is monitored by our qualified Professional . We are dedicated towards developing quality products and enhancing them furthermore through regular feedback taken from our customers, and Clients.

We firmly believe that good relations with the customers is the sole reason behind the success of the product and we put in best of our efforts to maintain this relation. According to the market requirements and customers' demand, we are providing a wide range of materials Services

**LBD** provides products that are tested for their quality, durability while ensuring optimum pricing which helps us to provide the best solutions for everyone.

For any further information, reach us at [sales@lbdrobotics.com](mailto:sales@lbdrobotics.com)

Thank You

## LETTER TO THE PRINCIPAL

Dear Principal,

I am writing to you on behalf of the company I manage, LBD. We are currently considering the possibility of establishing a physics laboratory at your school.

The physics laboratory would be a valuable addition to your school's curriculum. It would provide students with the opportunity to explore and discover the principles of motion, energy, and matter through hands-on experimentation. The lab would also allow them to develop critical thinking and problem-solving skills while working with various materials.

We are confident that the physics laboratory would greatly benefit your students, and we would like to discuss the possibility of establishing such a facility at your school. Please let me know if you would be interested in discussing this topic further.

Sincerely,



Director  
**MR. KUMAR MAYANK**

## Moto of Physics Laboratory

Laboratories aim to create opportunities to provide students with hands-on experience of laboratory experiments, which could bridge the gap between theoretical concepts and their application in everyday life. The laboratory performance is based on the idea that science focuses on hands-on, minds-on observational activities and that these activities help students make connections between various scientific concepts and real-life experiences. If students are to make use of any technology/ scientific skills in their classrooms, they must learn to make observations, formulate hypotheses, conduct experiments, collect data, use appropriate tools, analyse the data and interpret the obtained results. The practicals enable students to connect to other science areas, communicate the information effectively, and argue their conclusions logically. Students can learn these skills if they can participate in various laboratory exercises.

In the study of Physics, practicals are given special consideration as they are necessary to stimulate creativity, curiosity and critical thinking among students. Moreover, practicals help increase students' engagement, thus boosting their interest in the subject. School labs are an excellent place for students which help them enhance their learning by understanding the theoretical concepts of science taught in classrooms. Well-designed laboratories make science experiments fun and help students achieve good academic results. It helps to close the gap in the achievement of learning outcomes, and classroom transactions will shift towards competency-based learning and education. Hence, a well-equipped Science Laboratory is required in every school to:

- Make learning Holistic, Integrated, Enjoyable, and Engaging
- Develop conceptual understanding giving a strong emphasis on Experiential learning in all stages of science education to move toward Competency-focussed education.
- Provide opportunities to students for hands-on learning to observe, experiment and innovate.
- Full fill curricular expectations in a holistic manner
- Create and facilitate a culture of research from the school level itself
- Promote collaborative learning.

## Expectations From Laboratory

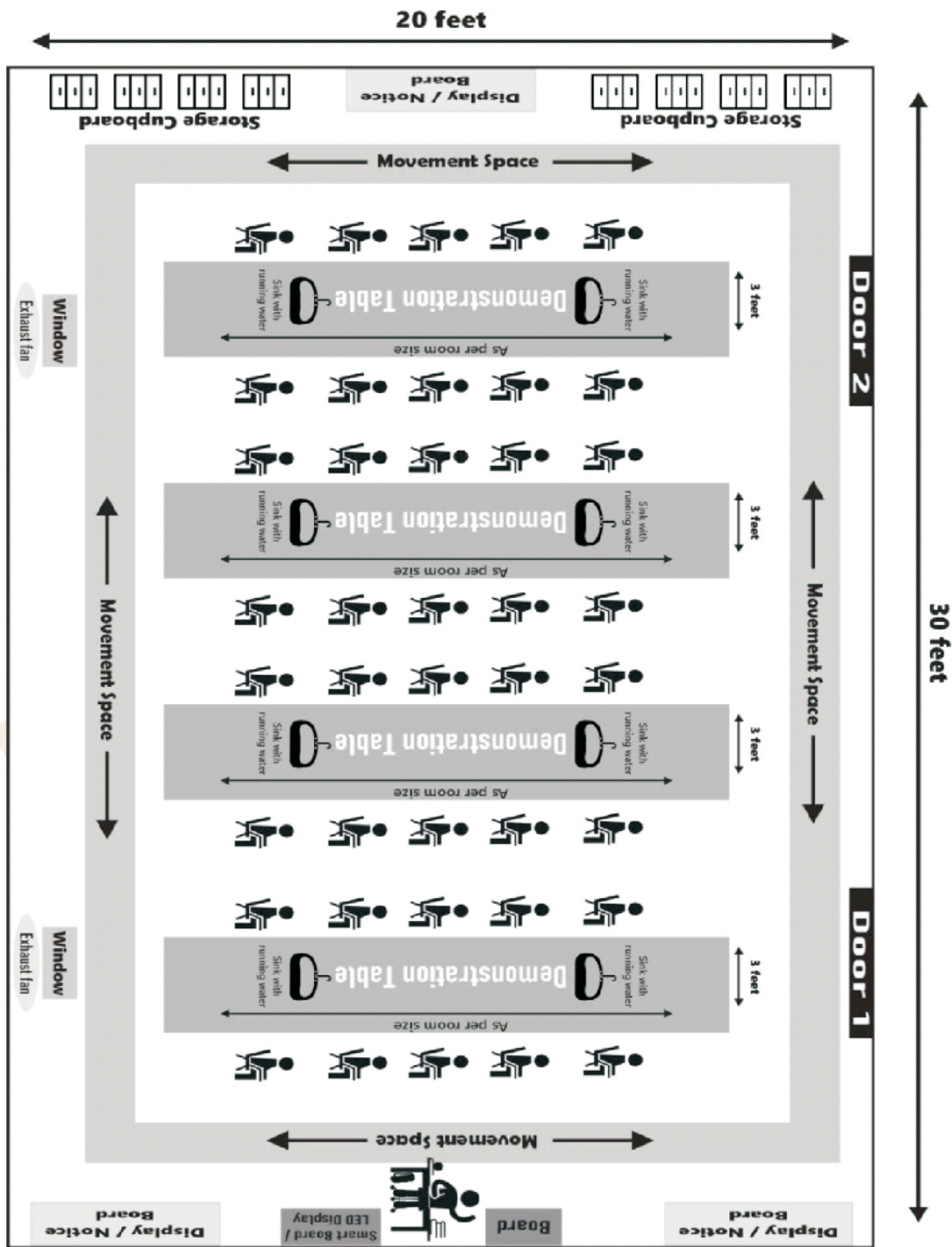
**As per the NCERT Learning Outcomes at Senior Secondary Stage, at this stage Learners are expected to:**

- Develop interest to study physics as a discipline;
- Strengthen the concepts developed at the secondary stage to acquire firm ground work and foundation for further learning of Physics more effectively and learning the relationship with real life situations.
- Apply reasoning to develop conceptual understanding of Physics concepts.
- Realize and appreciate the interface of Physics with other disciplines
- Get exposure to different processes used in Physics-related industrial and technological applications.
- Develop process-skills and experimental, observational, manipulative, decision-making and investigatory skills.
- Synthesize various science/physics concepts to solve problems and thinking critically in the process of learning Physics.
- Understand the relationship between nature and matter on scientific basis, develop positive scientific attitude, and appreciate the contribution of Physics towards the improvement of quality of life and human welfare.
- Comprehend the contemporary knowledge and develop aesthetic sensibilities.
- appreciate the role and impact of Physics and technology, and their linkages with
- overall national development.

## 3. Pedagogy of Science education as recommended by National Education Policy 2020:

- Chapter 4 of NEP 2020 'Curriculum and Pedagogy in Schools: Learning Should be Holistic, Integrated, Enjoyable, and Engaging' has laid a wide emphasis on Experiential learning in all stages of science education in Para 4.6.
- Chapter 7 of NEP 2020 in Para 7.5 has mentioned the importance of well-equipped science laboratories for strong science education.
- According to Para 12.1 Effective learning requires a comprehensive approach that involves appropriate curriculum, engaging pedagogy, continuous formative assessment, and adequate student support. The curriculum must be interesting and relevant, and updated regularly to align with the latest knowledge requirements and to meet specified learning outcomes which can be made possible by well-equipped science laboratories.

#### 4. Model Layout of Physics Laboratory



**Model of Physics Lab**

30 feet

### Infrastructure needed for Physics Laboratory:

S.No.	Category / Materials needed	Requirements
1	Physical Infrastructure	<ul style="list-style-type: none"> <li>• Minimum Lab. Room size 600 Sq.ft.</li> </ul>
2	Storage	<ul style="list-style-type: none"> <li>• A separate room or cupboards within lab for consumables and non- consumables items in the lock and key mechanism, thus ensuring a safety, dust and vermin-free environment.</li> </ul>
3	Teaching facility	<ul style="list-style-type: none"> <li>• Preferably an intelligent board with an internet Facility or white / green board.</li> </ul>
4	Demonstration Table	<ul style="list-style-type: none"> <li>• The demonstration table should also have a sink along with a water tap. In the laboratory, seats are made available to the students, so students sit at the allotted place and note the instructions from the teacher.</li> <li>• 40 seating facilities (lab stools)</li> </ul>
5	Display / Notice Board	<ul style="list-style-type: none"> <li>• Do's &amp; Don'ts/ rules for the laboratory use/ safety procedures</li> <li>• List of practical activities</li> <li>• Timetable- (laboratory timetable)</li> <li>• Emergency Contact numbers</li> </ul>
6	Gas/ heating	<ul style="list-style-type: none"> <li>• Preferably gas pipeline. (2 heating burners)</li> </ul>
7	Sink with Water supply	<ul style="list-style-type: none"> <li>• 8 sinks with water supply</li> </ul>
8	Waste management	<ul style="list-style-type: none"> <li>• 02 bins to be installed for biodegradable and non - biodegradable waste.</li> <li>• Flammable chemicals bottles must be packed separately. Empty chemical bottles can be packed in cartons/sacks. Disposal must be sent to the Material Management Division of the school.</li> </ul>
9	Fire extinguisher	<ul style="list-style-type: none"> <li>• To be installed at a prominent place within the laboratory or in the corridor outside the laboratory.</li> </ul>
10	Exhaust fans	<ul style="list-style-type: none"> <li>• 2 in number</li> </ul>
11	Medical First Aid Kit	<ul style="list-style-type: none"> <li>• 2 in number</li> </ul>
12	Heating facility	<ul style="list-style-type: none"> <li>• One Heater should be available in the lab to conduct Heat related experiments</li> </ul>

S.No.	Category / Materials needed	Requirements	S.No.	Category / Materials needed	Requirements
53	Insulated copper wire	500 gm	71	Laptop/ desktop set	2 setup
54	Meter tape (1-100 meter)	4 roll	72	Balance ( Physical )	2
55	Soldering iron	4	73	Boyle's law apparatus	2
56	Spring balance (0-250 gm)	10	74	Fortnis Barometer	2
57	U-shaped magnet	5	75	Metallic Cylinders	2
58	Copper calorimeter	2	76	Metal Sphere	2
59	Epidiascope	2	77	SG Bottles	2
60	Newton's Disc	2	78	Grave sand apparatus	2
61	Telescope	2	79	Young's Modulus	2
62	Camera	2	80	Young's Modulus	2
63	Barometer tube	2	81	Hydrometer	2
64	Lactometer	2	82	Spirit Level	2
65	Stove (Oil)	2	83	Potentiometer	2
66	Electric bell	2	83	Silk and cat skin pieces	2
67	Proof Plane	2	84	Gold leaf electroscope	2
68	Binoculars	2	85	Tuning fork	2
69	Soldering rods	2	86	Tuning fork	2
70	P-N junction diode set up	4			

**b)List of Consumable Items (for a batch of 40 students )**

S.No.	Equipment	Requirements			
1	Ammonium Chloride`	500 gm			
2	All Pins 1.5 “	2 Packets			
3	Copper Sulphate	500 gm			
4	Drawing Pins	6 Packets			
5	Thread Rolls	1 Roll			

## Infrastructure Needed For Physics Larecommended Equipment / Items For A Physics Laboratorylaboratory:

### Recommended equipment / items for a Physics laboratory

S.No.	Category / Materials needed	Requirements	S.No.	Category / Materials needed	Requirements
1	Ammeters different range	10	27	Rheostat	10
2	Battery eliminator	10	28	Resistance coil different range 1-5 ohms)	20
3	Daniell cell	8	29	Resonance apparatus	8
4	Drawing board	30	30	Sphero meter	30
5	Friction apparatus complete set with weight box	8	31	Screw gauge	20
6	Galvanometer	10	32	Wooden scale (1-50 cm, 1-100 cm)	10 each
7	Parallelogram apparatus	10	33	Stopwatch	8
8	Key one way	20	34	Sono meter	8
9	Jockey pencil type	10	35	Sprit level	4
10	Two-way key	8	36	Thermometer	10
11	Laclanche cell	8	37	Tuning fork (250 Hz, 480 Hz and 512 Hz) with pad	5 each
12	Meter bridge	8	38	Vernier calliper	20
13	Multimeter digital	4	39	Voltmeter (different range)	20
14	Multimeter manual	4	40	Beakers	10
15	Magnetic compass	10	41	Connecting wires	1 Kg
16	Optical bench (1 meter long)	10	42	Charts for display (bio visuals)	20
17	Prism (Indian glass)	30	43	Portraits (as per choice)	20
18	Potentiometer	8	44	Concave mirror	10
19	Plier	5	45	Convex mirror	10
20	Cutter	5	46	Convex lens	10
21	Ammeters different range	5	47	Rheostat	10
22	Scissor	5	48	Wedge knife edge (for sono meter)	10
23	Resistance box (different range 0.1 to 10 ohm) •1 to 10 ohms •1 to 100 ohms •1 to 1000 ohms •1 to 100000 ohms	5 each	49	Glass slab	30
24	Dry cell 10g (chargeable)	10	50	Pendulum box	20
25	Dry cell charger	8	51	Hanger weights 500 gm	20
26	Helical spring apparatus with weights	8	52	Hanger weights 500 gm	8 set







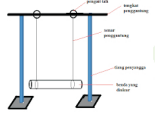




# List of Equipment

Equipment for Physics							
S. No.	Product Image	Name	Product Code	Specification	Price		
1		Ammeter(MO-65) Labtop Make (Any one range) Moving Coil	PH1/1	DC with Desk Stand Range 0-1, 1.5, 3.5 10Amp	440/-		
			PH1/2	AC with Desk Stand, Range 0-1, 3, 5Amp	540/-		
		Ammeter(MO-65) Oxford Make (Any one range) Moving Coil	PH1/3	DC with Desk Stand Range 0-1, 1.5, 3.5 10Amp	100/-		
			PH1/4	AC with Desk Stand, Range 0-1, 3, 5Amp	1400/-		
		Ammeter(EDM-80) Square Dial, (Any one range) Moving Coil	PH1/5	DC with Desk Stand, Range 0-1, 1.5, 3.5 10Amp	640/-		
			PH1/6	AC with Desk Stand, Range 0-1, 3, 5Amp	900/-		
			PH1/7	DC with Desk Stand, Range 0-15, and 0-25 Amp	900/-		
2		Aneroid Barometer	PH2/1	Demonstration Type With Pump '	1560/-		
			PH2/2	Wall Pattern, Dia 10 cm	360/-		
3		Astronomical/ Terrestrial Telescop with Tripod Stand	PH3/1	Ordinary Quality with Bakelite Parts (In Velvet Box)	3000/-		
			PH3/2	Routine Quality with Metal Parts (In Velvet Box)	4400/-		
			PH3/3	Superior Quality (Brass Body Telescope)	12000/-		
			PH3/4	Imported (Superior Quality)	12000/-		
4		Balance Physical (Cap 250 Gm)	PH4/1	7 Stone, Teak Wood Case	4000/-		
			PH4/2	3 Stone, Simple Wood Case	3200/-		
			PH4/3	Original Varanasi (Sunshine Make) 7 Stone, Teak Wood	3200/-		
5		Balance Digital	PH5/1	Cap. 600 gm, L.C. 0.1gm (100mg) Imported	28.00/-		
			PH5/2	Cap. 300 gm, L.C. 0.1gm (10mg) Imported	7200/-		
			PH5/3	Cap. 200 gm, L.C. 0.001gm (1mg) Imported	48000/-		
			PH5/4	Cap. 220 gm, L.C. 0.0001gm (0.1mg) Imported	180000/-		
			<b>Indian Heavy Duty Digital Balances</b>				
			PH5/5	Cap. 600 gm, L.C. 0.1gm (10mg) I	14000/-		
			PH5/6	Cap. 15 Kg/30Kg/50Kg, L.C. 5gm(Any One)	14000/-		
PH5/7	Cap. 100Kg, L.C. 10gm (Platform Type)	24000/-					

# List of Equipment

Equipment for Physics					
S. No.	Product Image	Name	Product Code	Specification	Price
6		Ballistic Galvanometer (100 or 500 Ohm) Any one	PH6	Ballistic Galvanometer (100 or 500 Ohm) Any one	10800/-
7		Bar Magnet (Superior Quality)	PH7/1	38x10x5mm (1.5")	160/-
			PH7/2	50x11x7mm (2")	240/-
			PH7/3	75x11x7mm (3")	360/-
			PH7/4	100x11x7mm (4")	480/-
			PH7/5	150x11x7mm (6")	720/-
8		Bar Magnet (Routine Quality)	PH8/1	38x10x5mm (1.5")	128/-
			PH8/2	50x10x5mm (2")	168/-
			PH8/3	75x10x5mm (3")	260/-
			PH8/4	100x10x5mm (4")	340/-
			PH8/5	150x10x5mm (6")	500/-
9		Bar Magnet Heavy (Parco Type)	PH9/1	50x15x10mm (2")	480/-
			PH9/2	75x15x10mm (3")	720/-
			PH9/3	100x15x10mm (4")	960/-
10		BAR MAGNET (Economy Type) Ferrite , 50mm	PH10/1	BAR MAGNET (Economy Type) Ferrite , 50mm	64/-
11		Bar Magnet (Steel)	PH11/1	50mm (2")	88/-
			PH11/2	75mm (3")	108/-
			PH11/3	100mm (4")	132/-
12		Ring Magnet/ Disc Magnet (Steel)	PH12/1	Small, 25mm	40/-
			PH12/2	Medium, 30mm	60/-
			PH12/3	Plastic Coated Coloured Ring Magnet 30mm	100/-
13		Bar Pendulum (Compound Pendulum)	PH13/1	Iron (Powder Coated)	1800/-
			PH13/2	Brass (Chrome Plated)	6000/-
14		Bar Pendulum Stand (Metallic)	PH14	Bar Pendulum Stand (Metallic)	5600/-
15		Barton's Horizontal Apparatus (Supplied w/o weights)		<b>(Torsion Apparatus) Searl's Pattern</b>	
			PH15/1	<b>Half Meter</b>	5400/-
			PH15/2	<b>One Meter</b>	8800/-







# List of Equipment

Equipment for Physics					
S. No.	Product Image	Name	Product Code	Specification	Price
16		Barton's Vertical Apparatus (Supplied w/o weights)	PH16	<b>(Torsion Apparatus)</b>	18000/-
17		Battery Hydrometer	PH17	Battery Hydrometer	360/-
18		Bending of Beam Apparatus (Iron)	PH18/1	Air Pump For Bell in Bell Jar (Bell In Bell Jar)	3800/-
			PH18/2	Vacuum Grease for above experiment, 50gm	800/-
			PH18/3	Bell Jar with Cap (Plastic)	600/-
19		Bending of Beam apparatus (Koenig's Method)	PH18	100 cm Iron bar consisting of two G-Clamps with knife edge top & spherometerfited on irnstand. Supplied without weights.	4800/-
			PH19/1	1mtr Brass Beam, 2 knife edges of heavy clamps, 1 knife edge with hanger & tilting type mirrors.	6000/-
			PH19/1	Tand for bending of beam app.(mettalic)	6000/-
20		Bifilar Suspension Arrangemen (Iron)	PH20	To Find Moment of Inertia of given metal of rectangular corss section.	9600/-
21		Binocular, Routing (Improted)	PH21	<b>Binocula</b> , Superior (Imported)	6400/-
22		BI-Metal Strip with Wooden Handla (Iron/Brass) 20 cmx2.5cm	PH22	BI-Metal Strip with Wooden Handla (Iron/Brass) 20 cmx2.5cm	240/-
23		BI-Prism (Freshnel's)	PH23/1	40x32mm	520/-
			PH23/2	50x40mm	720/-
24		BI-Prism Assembly (with out optical I be rich)	PH24	Biprism Holder, Auto action lens holder, Micrometer eyepiece & Optical Slit.	16800/-
25		Bob with Hook (Used in simple Pendulum Experiemnt)	PH25/1	Brass, Dia 12mm	88/-
			PH25/2	Brass, Dia 18mm	120/-
			PH25/3	Brass, Dia 25mm	280/-
			PH25/4	Iron, Dia 18mm	64/-
			PH25/5	Iron, Dia 25mm	120/-

# List of Equipment

Equipment for Physics					
S. No.	Product Image	Name	Product Code	Specification	Price
26		Bob set of 6 Metals (with Hook)		(Brass, Aluminium, Copper, Zinc, Iron & Lead)	
			PH26/1	Dia, 18mm	700/-
			PH26/2	Dia, 12mm	500/-
			PH26/3	Dia, 25mm	1400/-
27		Boyle's Law App. (Export Pattern) Oil Filled	PH27	Boyle's Law App. (Export Pattern) Oil Filled	2800/-
28		Brass Wire (100Gm)	PH28	Brass Wire (100Gm)	11000/-
29		Bucket & Cylinder 2"	PH29/B	Archimedes Experimental Setup	400/-
30		Bunsen Photometer (with Two Lamp Houses)	PH30		8000/-
31		Cornu's Methode (Complete Setup)	PH31	Vernier Microscope, Sodium Lamp Setup, Special Stand, Weights, Glass Plate, Lens Etc	52000/-
<b>ELECTRICAL BRIDGES</b>					
32		Anderson's Bridge (Without Accessories)	PH32	Anderson's bridge (with Headphone & Oscillator)	12000/-
33		Callender & Griffith's Bridge (without Accessories)	PH33	<b>Callender &amp; Griffith's Bridge (without Accessories)</b> Platinum Resistance Thermometer, Galvanometer, Powersupply 2V/100mA, Hot Plate & Steam Boiler	15600/-
34		Crompton Potentiometer Bridge (with Accessories)	PH34	<b>Crompton Potentiometer Bridge (with Accessories)</b> Galavanometer, 2v/100mA DC Supply, Votmeter, Power Supply 0-2VDC & Two Four Terminal Resistance	44000/-
35		Carry Foster Bridge (without Accessories)	PH35	<b>Carry Foster Bridge (without Accessories)</b> Provided with power supply 2v/100mA, Galavanometer & 2 unknown resistance	15600/-
36		DE- Sauty Bridge (without Accessories)	PH36	<b>DE- Sauty Bridge (with Headphone &amp; Oscillator)</b>	16000/-
37		Hay Bridge (without Accessories)	PH37	<b>Hay Bridge (with Headphone &amp; Oscillator)</b>	16000/-
38		Kelvin Bridge Student (without Accessories)	PH38	<b>Bridge Kelvin Student (Complete Setup)</b> Provided with DCSource 5Amp, DCC Wire, Galvanometer & Four Terminal UnknownResistance	34000/-















# List of Equipment

Equipment for Physics					
S. No.	Product Image	Name	Product Code	Specification	Price
39		Kelvin Double Bridge (Industrial) Complete	PH39	<b>Anderson's bridge</b> (with Headphone & Oscillator)	92000/-
40		Maxwell Inductance Bridge (w/o Accessories)	PH40	<b>Maxwell Bridge</b> (with Headphone & Oscillator)	16000/-
41		Owen Bridge (without Accessories)	PH41	<b>Owen Bridge</b> (with Headphone & Oscillator)	16000/-
42		Rayleigh's Bridge (without Accessories)	PH42	<b>Rayleigh's Bridge</b> (Complete Setup) Provide with Ballistic Galvanometer, Fixed Power Supply 2vdc & Unknown Resistance	36000/-
43		Schering Bridge (without Accessories)	PH43	<b>Schering Bridge</b> (with Headphone & Oscillator)	16000/-
44		Wheatstone Bridge (Portable)	PH44	<b>Wheatstone Bridge</b> (with Headphone & Oscillator)	11400/-
45		Weins Bridge (Frequency Measurement) without Accessories	PH45	<b>Weins Bridge</b> (with Headphone & Oscillator)	16000/-
46		Weing Capacitance Bridge (Without Accessories)	PH46	Weing Capacitance Bridge (Without Accessories)	12000/-
47		Weing Capacitance Bridge (with Headphone & Oscillator)	PH47	Weing Capacitance Bridge (with Headphone & Oscillator)	16000/-
48		Null Detector Optional Instead Of Headphone	PH48	Null Detector Optional Instead Of Headphone <b>Headphone Spare for use in Bridges</b>	6000/-
49		Quartz Prism/ Calacite (18mmx18mm)	PH49/1	Quartz Prism/Calacite (18mmx18mm)	5400/-
		Quartz Prism/ Calacite (25mmx25mm)	PH49/2	Quartz Prism/ Calacite (25mmx25mm)	6400/-
50		Callendar & Barnes (continuous Flow Calorimeter)	PH50/1	Callendar & Barnes (Canthus Flow Calorimeter)	4000/-
		Transformer For Callendar & Barnes	PH50/2	Transformer For Callendar & Barnes	4000/-
51		Candle Holder With Metal Base	PH51	Candle Holder With Metal Base	360/-
52		Carbon Rod, With Terminal, 150x15mm	PH52		100/-
		Carbon Plate, with Terminal 150x50mm	PH52	Carbon Plate, with Terminal 150x50mm	280/-
53		Cantilever Apparatus 100cm be with G-Clamp	PH53	Cantilever Apparatus 100cm be with G-Clamp	1300/-
54		Cathetometer (Half Meter)	PH54	Cathetometer (Half Meter)	44000/-

# List of Equipment

Equipment for Physics					
S. No.	Product Image	Name	Product Code	Specification	Price
55		Center of Gravity Toy (Set of 3)	PH55	Center of Gravity Toy (Set of 3)	900/-
56		Cell Holder, Plastic (D Size Cell) Provided W/o Cell	PH56/1	Two Cell	120/-
			PH56/2	Four Cell	160/-
			PH56/B	Cell Holder Single (Stackable) Export Quality	88/-
57		Charge & Discharge Key "	PH57	Charge & Discharge Key	1100/-
58		Charcoal Borer	PH58	Charcoal Borer	160/-
59		Clement & Desormer's (Complete) 5Ltr	PH59	Adiabatic Expansion of Gas Experiment	20000/-
60		Cobalt Glass (Blue Glass)	PH60/1	38x38mm	280/-
			PH60/2	50x50mm	480/-
61		Commutator Brass (Four way plug Key)	PH61	Commutator Brass (Four way plug Key)	500/-
62		Compass Magnetic (Aluminium) One Side Glass	PH62/1	Dia 12mm	28/-
			PH62/3	Dia 25mm	32/-
			PH62/4	Dia 38mm	36/-
			PH62/5	Dia 50mm	48/-
			PH62/6	Dia 75mm	108/-
			PH62/7	Dia 100mm	132/-
			PH62/A	Compass Magnetic Dia 18mm, Both Side Glass	32/-
			PH62/B	Compass Imported Very Superior Quality, 3"	200/-
63		Compass Box (For Deflection Magneto Meter, 125mm dia)	PH63	Compass Box (For Deflection Magneto Meter, 125mm dia)	400/-
64		Compression/ Kitchen Balance Top Pan Plastic (Braun Make)	PH64/1	Capacity 500gm, 1Kg, 5kg, 4kg (Any One)	1900/-
			PH64/2	Capacity 5kg	2200/-
			PH64/B	Capacity 10kg	3200/-
65		Conductivity Apparatus of 4 Metals (Ring Type)	PH65	Conductivity Apparatus of 4 Metals (Ring Type)	340/-
66		Conductor (Set of 3) Conical / Spherical/ Cylindrical	PH66	Conductor (Set of 3) Conical / Spherical/ Cylindrical	1900/-
67		Constantan Resistance Wire (100gm)	PH67	Constantan Resistance Wire (100gm)	360/-

# List of Equipment



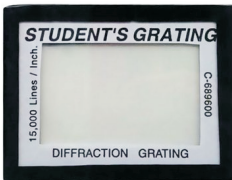






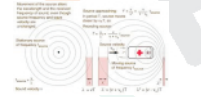







Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
68		Convex Lens (Regular Quality)	PH68/1	Dia 50mm, F.L.5cm	112/-
			PH68/2	Dia 50mm, F.L.10cm	56/-
			PH68/3	Dia 50mm, F.L.15,20,30cm (Any One)	32/-
			PH68/4	Dia 75mm, F.L.10cm	200/-
			PH68/5	Dia 75mm, F.L.15,20(Any One)	112/-
			PH68/6	Dia 75mm, F.L.25,30cm (Any One)	64/-
69		Lens (Exact Focal Length) DIA2",FL 15/20CM Any One	PH69/1	Concave Lens (Exact)	80/-
			PH69/2	Convex Lens (Exact)	76/-
70		Plano Concave Lens Dia 50mm	PH70/1	Plano Concave Lens Dia 50mm	60/-
			PH70/2	Plano Concave Lens Set for Newton Ring	480/-
71		Convex Mirror, F.L.10 to 30 cm (Any One Focal Length)	PH71/1	Dia 50mm	56/-
			PH71/2	Dia 75mm	128/-
72		Concave Mirror, F.L.10 to 30 cm (Any One Focal Length)	PH72/1	Dia 50mm	PH72/1
			PH72/2	Dia 75mm	PH72/2
73		Convection Tube (Borosilicate Glass)	PH73	Convection Tube (Borosilicate Glass)	800/-
74		Copper Calorimeter Size 3"x2" (in wooden Box)	PH74/1	Copper Calorimeter Pot Only Size 3"x2"	280/-
			PH74/2	Copper Calorimeter Size 4"x3" (wooden)	1000/-
75		Copper Plate with Terminal 6"x2" approx	PH75	Copper Plate with Terminal 6"x2" approx	120/-
76		Copper Rod with Terminal 125mm Long	PH76	Copper Rod with Terminal 125mm Long	360/-
77		Copper Turning (500gm)	PH77	Copper Turning (500gm)	1500/-
78		Copper Wire (DCC Wire) Double Cotton Covered for Connectios	PH78/1	100gm	340/-
			PH78/2	500gm	1500/-
			PH78/3	250gm	760/-
79		Copper Voltammeter with Jai	PH79	Copper Voltammeter with Jai	700/-
80		Cork Borer	PH80/1	Set of 6 (German Type)	480/-
			PH80/2	Set of 3 (German Type)	260/-
			PH80/3	Set of 6 (Ordinary Type)	260/-
			PH80/4	Set of 3 (Ordinary Type)	160/-
			PH80/5	Set of 12 (German Type)	4800/-
			PH80/6	Set of 6 (Heavy Pattern) Strong Handles	2200/-
81		Crocodile Clip (Per Piece)	PH81	Crocodile Clip (Per Piece)	24/-

# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
82		Crook's Radiometer	PH82	Crook's Radiometer	600/-
83		CUBE METAL (Set of 6 different metals)	PH83/1	Size 10mm	480/-
			PH83/2	Size 18mm	1400/-
			PH83/3	Size 25mm	2500/-
84		Cubes (Aluminum) 25mm	PH84/1	Cubes (Aluminum) 25mm	240/-
85		Cylinder Solid (metal) 38mm	PH85/1	Aluminum	64/
			PH85/2	Brass	152/-
86		Cylinder Hollow(metal) 38mm	PH86/1	Aluminum	52/-
			PH86/2	Brass	160/-
87		Cylinder Metal Set	PH87/A	( Set of 6 different metals) SOLD, 38x12mm	900/-
			PH87/B	(Set of 4 different size) HOLLOW, Aluminium	320/-
88		Cylinder Magnet	PH88/1	50mm	320/-
			PH88/2	75mm	440/-
			PH88/3	100mm	600/-
89		D.P.D.T. Switch (Iron)	PH89/1	D.P.D.T. Switch(Iron)	700/-
90		Daniel Cell (Complete)	PH90/1	Daniel Cell (Complete) Includes Copper Pot, Enoty Porous Pot & Zinc Rod	900/-
			PH90/2	Daniel Cell Pot Only (Copper)	600/-
91		Electronic Daniel Cell (Output Voltage 1.08VDC)	PH91	Electronic Daniel Cell (Output Voltage 1.08VDC)	1800/-
92		Davy Safety Lamp	PH92	Davy Safety Lamp (Brass)	560/-
93		Decade Condenser (Capacitance Box) Dial Typa	PH93/1	Single Dial, 0.001mfd/0.01mfd/0.1mfd	2900/-
			PH93/2	Two Dial, 0.001mfd/0.01mfd/0.1mfd	5800/-
			PH93/3	Three Dial, 0.001mfd/0.01mfd/0.1mfd	8700/-
94		Deflagrating Spoon	PH94	Copper Voltammeter with Jai	160/-
95		Deflection Magnetometer	PH95	Deflection Magnetometer Mica Top with Compass & Supplied W/o magnets	1200/-
96		Demonstration Transformer (On Board)	PH96	Demonstration Transformer(On Board)	1800/-
97		Demonstration Transformer	PH97	Demonstration Transformer	3000/-



# List of Equipment



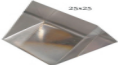

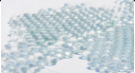









Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
98		Demonstration Meter	PH98/1	Multi Range Meter (Side Type)	2400/-
			PH98/2	Large Size with Ac & DC Interchangeable Scales (2 Scales)	6000/-
			PH98/3	Vertical Type Demo Meter	1800/-
99		Diamond Pencil (Routine)	PH99/1	Diamond Pencil (Routine)	100/-
			PH99/2	Diamond Pencil (Imported)	140/-
100		Diffraction Grating (Hilger & Watt Type)	PH100/1	15000 Lines per Inch, (600 Lines/mm) (Routine Quality)	400/-
			PH100/2	15000 Lines per Inch, (600 Lines/mm) (Superior Quality)	1980/-
			PH100/3	25000 Lines per Inch, (1000 Lines/mm) (Superior Quality)	1980/-
			PH100/5	Laser Grating, 100/250/500 LPI (Any One)	1980/-
			PH100/6	Grating Holder With Rod	600/-
101		Digital DC Voltmeter 3.5 Digit LCD	PH101/1	Digital DC Voltmeter 3.5 Digit LCD	2000/-
			PH101/2	Digital DC Ammeter 3.5 Digit LCD	2000/-
102		Digital AC Voltmeter 3.5 Digit LCD	PH102/1	Digital AC Voltmeter 3.5 Digit LCD	2200/-
			PH102/2	Digital AC Ammeter 3.5 Digit LCD	2200/-
103		Dip Circle	PH103/1	Brass Parts	7200/-
			PH103/2	Aluminium	5600/-
104		Dispensing Balance (Simple Two pan balance)100gm	PH104	Dispensing Balance (Simple Two pan balance)100gm	1500/-
105		Drawing Board (Superior Quality Soft Wood)	PH105/1	12"x18"	580/-
			PH105/2	16"x23"	1200/-
			PH105/3	12"x18" (Ordinary Quality)	480/-
106		Drawing Pin (PKT)	PH106	Drawing Pin (PKT)	24/-
107		Doppler Effect Model	PH107	Doppler Effect Model	1160/-
108		Dry Cell (2Volt shot life (No return)	PH108	Davy Safety Lamp (Brass)	960/-
109		Dry & Wet Thermometer	PH109	Dry & Wet Thermometer	380/-
110		Dynamo Model (Ac/DC)	PH110/1	Superior Quality	2000/-
			PH110/2	Routine Quality	1000/-
111		Dyanmic Trolley (Pair)	PH111	Dyanmic Trolley (Pair)	3000/-
112		Earth Inductor(1000 Turns)	PH112	Earth Inductor(1000 Turns)	22000/-
113		Ebonite Rod (Friction Rod) 30cm	PH113	Earth Inductor(1000 Turns)	80/-
114		Electric Bell Model on wooden stand, Demonstraion Type	PH114/1	Routine Quality (Wooden Medium Size)	800/-
			PH114/2	Superior Quality (Acrylic)	1400/-

# List of Equipment





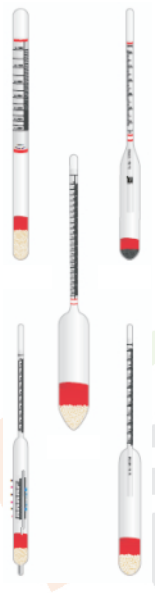






## Equipment for Physics

S. No.	Product Image		Product Code	Specification	Price
115		Electric Motor Model workable on 6v-3Amp DC supply	PH115/1	Electric Motor Model workable on 6v-3Amp	600/-
			PH115/2	DC supply Electric Motor Model in Acrylic Body	1400/-
116		Electric Vibrator (works on AC mains)	PH116	Electric Vibrator (works on AC mains)	3200/-
117		Electron Spin Resonance(ESR) App	PH117	Electron Spin Resonance(ESR) App	196000/-
118		Electromagnet 'u' Shape (superior Quality)	PH118/1	75mm	200/-
			PH118/2	100mm	260/-
			PH118/3	75mm (Export Quality ) Plastic Coated	560/-
119		Electric Motor Assembly Kit(DIY)	PH119	Electric Motor Assembly Kit(DIY)	1400/-
120		Faraday Law Apparatus (working Mode) 3in 1	PH120	Faraday Law Apparatus(working Mode) 3in 1	1600/-
121		Febry Perot Etalon (for Interferometer exp)	PH121	This Etalon is Mounted on Spectrometer & Is Used With Sodium Light Setup	36000/-
122		Floating Magnet Set	PH122	Floating Magnet Set	600/-
123		Fly Wheel (To Determine the moment of inertia)	PH123/1	Dia 20cm, without Counter	6800/-
			PH123/2	Dia 20cm, with Counter	8000/-
			PH123/3	Dia 25cm, without Counter	16400/-
			PH123/4	Dia 25cm, with Counter	17600/-
124		Friction Apparatus	PH124	Friction Apparatus	800/-
125		Froth Flotation Apparatus (Purification of Metal)	PH125	Froth Flotation Apparatus (Purification of Metal)	22000/-
126		Franck - Hertz Experiment Setup	PH126	Franck - Hertz Experiment Setup	196000/-
127		Fortin's Barometer (supplied without mercury)	PH127/1	Brass Parts	9600/-
			PH127/2	Aluminium parts	6800/-
			PH127/3	Complete Brass (Deluxe Model)	12000/-
			PH127/4	Digital Barometer / Alitmeter / Comps (3 In 1)	8000/-
128		Fortin's Barometer Showcase (Wooden)	PH128	Fortin's Barometer Showcase (Wooden)	3200/-
129		G-Clamp (Iron)	PH129/1	7.5 cm	400/-
			PH129/2	10 cm	560/-
130		Galvanometer (DC with Stand ) 30-30	PH130/1	MO-65,	440/-
			PH130/2	MO-65,	1100/-
			PH130/3	EDM-80, (Square)	640/-
131		Cork Pressure	PH131	Cork Pressure	700/-
132		Galvanoscope	PH132	Galvanoscope	480/-
133		Generator Model	PH133	Generator Model	3200/-

# List of Equipment
















Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
134		Geometrical instruments Box "	PH134/1	Plastic, Routine Quality	1100/-
			PH134/2	Plastic, Superior Quality	1500/-
			PH134/3	Wooden, Superior Quality	3200/-
			PH134/4	Protactor (Wooden)	400/-
			PH134/5	Set Square Wooden	900/-
			PH134/6	Compass Wooden	500/-
135		Geo Metrical Figure (Set of 12) wooden	PH135/1	Size 4"x2" (Yellow Painted)	1100/-
			PH135/2	Size 6"x4" (Multi Coloured )	2800/-
			PH135/3	Size 12"x6" (Multi Coloured)	5800/-
136		Glass Prism	PH136/1	38MM (Superior Quality)	88/-
			PH136/2	50MM (Superior Quality)	140/-
			PH136/3	38MM (Routine Quality)	80/-
			PH136/4	50MM (Routine Quality)	128/-
137		Acrylic Prism 50mm Equilateral 60x60x60	PH137	Acrylic Prism 50mm Equilateral 60x60x60	400/-
138		Glass Slab (English Glass) "	PH138/1	70x50x12 mm (Ordinary Quality)	40/-
			PH138/2	70x50x18 mm	96/-
			PH138/3	100x60x18 mm	160/-
			PH138/4	Acrylic Slab 75x50x12mm	220/-
			PH138/5	Semi Circular Glass Slab D	260/-
139		Glass Beads (500gm) Packed in Plastic Box	PH139	Glass Beads (500gm) Packed in Plastic Box	800/-
140		Glass Rod (Friction Rod) 12	PH140	Glass Rod (Friction Rod) 12	56/-
141		Gold Leaf Electroscope	PH141/1	Glass Jar	1000/-
			PH141/2	Wooden Frame	600/-
			PH141/3	Concial Flask Patten	600/-
			PH141/4	Metalic Frame (Export Quality)	1000/-
142		Goniometer	PH142	Goniometer	32000/-
143		Ground Glass Screen (Wooden)	PH143	Ground Glass Screen (Wooden)	220/-
144		Hoffman Voltammeter	PH144	<b>Hoffman Voltammeter</b> With Platinum Electrode & Metallic Stand	2600/-
145		Hamburger Colil (Conductivity Cell)	PH145	Hamburger Colil (Conductivity Cell)	3000/-
146		Hare's Apparatus on Wooden Sand	PH146	Hare's Apparatus on Wooden Sand	900/-
147		Helmholtz Galvanometer	PH147	Helmholtz Galvanometer	6400/-
148		Hollow Glass Prism	PH148/1	38mm	160/-
			PH148/2	50mm	200/-

# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
149		Hook's Law Apparatus with weights	PH149/1	Small Size	900/-
			PH149/2	Big Size	1400/-
150		Hope's Apparatus, Tin (Painted) "	PH150	Hope's Apparatus, Tin (Painted)	600/-
151		Horse Shoe Magnet/ "U" Magnet (Alnico)	PH151/1	50mm (Superior Quality)	320/-
			PH151/2	75mm (Superior Quality)	480/-
			PH151/3	100mm (Superior Quality)	640/-
			PH151/4	50mm (Routine Quality)	140/-
			PH151/5	75mm (Routine Quality)	200/-
			PH151/6	100mm (Routine Quality)	280/-
152		Hydrostatic Press	PH152	Hydrostatic Press	2400/-
153		Hydrometer (Superior Quality) shot weighted with paper scale	PH153/1	Heavy, Range 1000 to 2000	160/-
			PH153/2	Light, Range 700 to 1000	160/-
			PH153/3	Universal Hydrometer Range 700 to 2000	300/-
			PH153/12	Sikes Hydrometer (For Distillery & Alcohol Industries)	700/-
				Range Sikes 0-20, 20-40, 46-60, 60-80, 80-100, 60-90 (Any One)	
		Beaumes Hydrometer in 10 Degree Range, Shot Weighted with Paper Scale	PH153/4	Beaumes Hydrometer, Range 0-10 or 30-40 (Any One)	400/-
			PH153/5	Beaumes Hydrometer, Range 10-20 or 40-50 (Any One)	400/-
			PH153/6	Beaumes Hydrometer, Range 20-30 or 50-60 (Any One)	400/-
			PH153/7	Beaumes Hydrometer, Range 0-30 or 60-70 (Any One)	400/-
		Brix Hydrometer with built in Thermometer	PH153/10	Brix Hydrometer with built in Thermometer	1400/-
			PH153/11	Brix Hydrometer without Thermometer Range Bx 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60-70, 70-80, 80-90, 0-30, 30-60, 60-90 (Any One)	700/-
		Density Hydrometer (ISI Marked) Short & Wax Poised, Adjusted for use at 15c, M-50 Sp	PH1530/8	Hydrometer For DIESEL 800 to 850	600/-
			PH153/9	Hydrometer For PETROL 700 to 750	600/-
			PH153/13	Hydrometer For KEROSENE 750 to 800	600/-
			PH153/14	Hydrometer For MOBILE OIL 850 to 900	600/-
			PH153/15	Hydrometer For OILS 900 to 950	600/-
			PH153/16	Hydrometer For PETROLEUM ETHER 950 to 1000	600/-
PH153/17	NABL CERTIFICATE Charges for Hydrometer	600/-			
154		Hygrometer Dial Dia 10cm (Heuger Type)	PH154	Hygrometer Dial Dia 10cm (Heuger Type)	1200/-
155		Hypsometer (Copper)	PH155	Hypsometer (Copper)	1400/-
156		Inclined Plain (without weights)	PH156/1	75mm with Roller & Pan, Superior Quality	1500/-
			PH1156/1	100mm with Roller & Pan, Supeior Quality	1700/-
			PH156/1	Deluxe Pattern With Metallic Bas (for applied mechanics)	8000/-
			PH156/1	Inclined Plain 4" (Teak Wood)	3200/-
157		Double Inclined Plain (Regular Quality)	PH157	Double Inclined Plain (Regular Quality)	1200/-
158		Inductance Coil (3000 Truns)	PH158	Inductance Coil (3000 Truns)	1400/-
159		Inductance Box (Single Dia) 100-1000uh	PH159	Inductance Box (Single Dia) 100-1000uh	2800/-

# List of Equipment

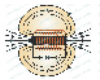












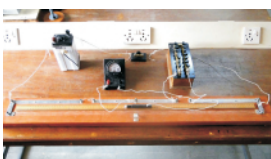
## Equipment for Physics

S. No.	Product Image		Product Code	Specification	Price	
160		Induction Coil, Work on(4-6 Volts D.C)	PH160/1	10mmSpark	2600/-	
			PH160/2	25mm Spark	4400/-	
			PH160/3	50mm Spark	10800/-	
161		Inertia balance with G-Clamp	PH161/1	Inertia balance with G-Clamp	2400/-	
			PH161/2	Inertia bar, Soild Iron Rod with wall bracket	2000/-	
162		Inertia Disc (iron) 6" Dia Disc with Clamping arrangement	PH162	Inertia Disc (iron) 6" Dia Disc with Clamping arrangement	2400/-	
163		Inertia Table (for Moment of inertia Experiment)	PH163	Inertia Table (for Moment of inertia Experiment) 6" Dia. Aluminium disc with groove. It is suspended by steel wire provided with circular base which is also fitted with levelling screws. Supplied with 4 different shapes of Same masses.	5600/-	
164		Induced Current Apparatus (Rod Type)	PH164/1	Induced Current Apparatus (Rod Type)	1400/-	
			PH164/2	Induced Current App with Bulb (working Model)	600/-	
165		Iron stand (with Clamp & Boss Head) 7x5" sheet metal (Retort stand)	PH165/1	Routine Quality with Oxidized Clamp * Bosshead	720/-	
			PH165/2	Superior Quality with Dipress Clamp & Bosshead	860/-	
		PH165/3	Iron Stand (Base & Road) 7x5" sheet Metal (Retort stand)	560/-		
		PH165/4	Iron Stand, Cast Iron (Heavy base without clamp & Bosshead)	Base 6"x4", Road 18"x3/8"	640/-	
				PH165/5	Base 7"x5", Road 24"x1/2"	800/-
				PH165/6	Base 6"x4", Road 18"x3/8"	860/-
		PH165/7	Iron Filling, 500gm	220/-		
166		Lodine Vapour Absorption Spectrum Setup	PH166	Iron Filling, 500gm	76000/-	
167		Jaeger's Apparatus with tube with manometer tube fitted on the stand	PH167	Jaeger's Apparatus with tube with manometertube fitted on the stand	4400/-	
168		Jockey (Pencil Jockey)	PH168	Jockey (Pencil Jockey)	60/-	
169		Joule's Calorimeter	PH169/1	In Wooden Box	960/-	
			PH169/2	All Metal (Outer Aluminium & Inner Copper)	960/-	
170		K. Constant Spring Apparatus	PH170/1	with Spiral Spring About 25mm Dia & 10cm Long On Metal base with 250 slotted weight Simple Pattern with wooden scale	2000/-	
			PH170/2	Heavy pattern with graduated metal Pipe (Superior)	3600/-	
171		Kaleidoscope (Metallic)	PH171	Kaleidoscope (Metallic)	260/-	
172		kater's Pendulum	PH172/1	(Iron) with 120cm long steel rod & wall bracket	4800/-	
			PH172/2	(Brass) with 120cm long brass rod & wall bracket	11200/-	
173		Kudt's Tube App (On wooden board with 1 meter acrylic tube	PH173	Kudt's Tube App (On wooden board with 1 meter acrylic tube For showing the wave length of vibration in air in a close tube by the Lycopodium powder	4800/-	
174		L.B Photometer W/o Bench	PH174	L.B Photometer W/o Bench	24000/-	

# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
175		Lamp house (Metallic with Rod)	PH175	Lamp house (Metallic with Rod)	1900/-
176		Lamp & Scale (works on 220V, A.C. mains)	PH176	Lamp & Scale (works on 220V, A.C. mains)	8800/-
177		Laser Beam Green (Pen Type) Imported	PH177/1	Laser Beam Green (Pen Type) Imported	1800/-
		Laser Pointer Red (Map Pointer) Imported	PH177/2	Laser Pointer Red (Map Pointer) Imported	520/-
178		Lead Accumulator (Battery)	PH178/1	2V-20AH	1200/-
			PH178/2	2V-45AH	1800/-
			PH178/3	6 Volt	2300/-
179		Lead Shots (500gm)	PH179	Lead Shots (500gm)	880/-
180		High Resistance by Leakage Method (Complete)	PH180	High Resistance by Leakage Method (Complete) Complete Experimental Kit Supplied with Ballistic Galvanometer and Lamp & Scale	4400/-
181		Leclanche Cell (Complete)	PH181	Leclanche Cell (Complete) Includes Filled Porous Pot, Zinc Rod & Plastic Jar (Without Chemicals)	640/-
182		Electronic Leclanche Cell (output 1.5VDC)	PH182	Electronic Leclanche Cell (output 1.5VDC)	1800/-
183		Led's Disc Conductivity Apparatus (Brass Disc)	PH183	Led's Disc Conductivity Apparatus (Brass Disc) To Find Co-efficient of Thermal Conductivity of a bad conductor by Lee's Method	11000/-
184		Lens Set OF 6 (50mm)	PH184	Lens Set OF 6 (50mm)	800/-
185		Lens Holder, Wooden 'V' Shaped	PH185	Lens Holder, Wooden 'V' Shaped	88/-
186		Lens Holder with Base (All Metal) Iron	PH186/1	Lens Holder with Base (All Metal) Iron	360/-
			PH186/2	Lens Holder (Spring Type) Brass without Base	900/-
			PH186/3	Lens Holder Only (Metallic) without Base	260/-
187		Light Travel in Straight Line (set of 3) Wooden	PH187	Light Travel in Straight Line (set of 3) Wooden	160/-
188		Linear Expansion Apparatus (Brass Pipe)	PH188	Linear Expansion Apparatus (Brass Pipe) 50cm long pipe & 2.5cm Dia, with opening for thermometer fitted with spherometer.	3600/-
190		Magdeburg Hemisphere (Aluminium), Dia 75mm	PH190	Magdeburg Hemisphere (Aluminium), Dia 75mm	1600/-
200		Maganine Wire , 100	PH200	Maganine Wire , 100	700/-
201		Magnetic Needle (75mm) with Stand	PH201/1	With Aluminium Stand	160/-
			PH201/2	With Plastic Stand	72/-
			PH201/3	Magnetic Needle only (75mm)	24/-
202		Magnetic Field Apparatus (5,10,20 Turns)	PH202	Magnetic Field Apparatus (5,10,20 Turns)	1000/-

# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
203		Magnetic Field by Sole Noid Using Search Coil (Complete)	PH203	Lamp house (Metallic with Rod)	1000/-
204		Magnifier/ Plastic Frame (Sup) /Metal Frame	PH204/1	1.5"	22000/-
			PH204/2	2."	88/-
			PH204/3	3"	100/-
			PH204/4	4"	200/-
			PH204/5	Magnifier (Bakelite handle), 3"	300/-
			PH204/6	Magnifier with Light (Imported) Small	260/-
			PH204/7	Magnifier with Light (imported) Big	720/-
205		Manometer On Stand 6"	PH205	Manometer On Stand 6	400/-
206		Mariner Compass (Jumble Type)	PH206	Mariner Compass (Jumble Type)	900/-
207		Max. Min. Thermoerter (Plastic Base)	PH207	Max. Min. Thermoerter (Plastic Base)	400/-
208		Maxwell Wheel	PH208	Maxwell Wheel	4400/-
209		Max Well Vibration Needle Graduated (Brass)	PH209	Max Well Vibration Needle Graduated (Brass) To determine the Modulus of Rigidity of a material, Provide with wall bracket	8800/-
210		Maxwell Vibration Needle Stand	PH210	Maxwell Vibration Needle Stand	3400/-
211		Magnetic Field Demonstrator	PH211	Magnetic Field Demonstrator	3400/-
212		Melde's Apparatus (Electrically maintained Tuning Fork)	PH212/1	OSAW Type without weight & thread.	7800/-
			PH212/2	INCO Type without weight & thread.	8400/-
213		Mercury Vapour Lamp (80w or 125) works with chowk	PH213/1	Mercury Vapour Lamp (80w or 125) works with chowk	1000/-
			PH213/2	Mercury Lamp (Works without chowk ) 160w	1300/-
214		Mercury Lamp Wooden Slit Box	PH214/1	Fitted with Chowk	4400/-
			PH214/2	Fitted without Chowk	2400/-
215		Mercury (Per Kg) Price can varyas per maket Fluctuation	PH215	Mercury (Per Kg) Price can varyas per maket Fluctuation	44000/-
216		Meter bridge (Wheatstone Bridge)	PH216/1	With Pencil jockey (Sunmical Base)	1900/-
			PH216/2	With Pencil jockey (Teak Wood Base )	4400/-
			PH216/3	With Pencil jockey (Sunmical Base)	2600/-
			PH261/4	With Pencil jockey (Teak Wood Base)	5200/-
			PH261/5	Heavy Sunmica Base To Avoid Bending (Pencil Jokey)	2200/-
			PH261/6	Heavy Sunmica Base To Avoid Bending (Spring Jokey)	3000/-


# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
217		Metal Block Rectangular 4x3xcm (Aluminum)	PH217	Metal Block Rectangular 4x3xcm (Aluminum)	220/-
218		Meter Scale	PH218/1	One meter, Routing Quality (MDF)	88/-
			PH218/2	One Meter, Superior Quality (Wood)	300/-
			PH218/3	Half meter, Routing Quality (MDF)	44/-
			PH218/4	Half meter, Superior Quality (Wood)	140/-
			PH218/5	Meter Scale (Stainless Steel) 60cm	400/-
			PH218/6	Meter Scale (Stainless steel) 1mtr	800/-
			PH218/7	Meter Scale Full with handle (MDF)	300/-
			PH218/8	Meter Scale half with handle (MDF)	220/-
219		Micro- Ammeter Dc L (MO-65)	PH219/1	Range 500uA	600/-
			PH219/2	Range 100,250,300uA (Any one range)	700/-
220		Micro- Ammeter Dc (MO-65)	PH220/1	Range 500uA	1200/-
			PH220/2	Range 100,250,300uA (Any one range)	1300/-
221		Micro- Ammeter Dc (EDM-80))	PH221/1	Range 500uA	7200/-
			PH221/2	Range 100,250,300uA (Any one range)	1000/-
222		Multi- Ammeter D.C (any one range) Range 0-50,100,250,500mA	PH222/1	Labtop Make (MO-65)	440/-
			PH222/2/	Oxford Make (Mo-65)	1100/-
			PH222/3	Adarsh Make (EDM-80) Square	640/-
223		Multi- Voltmeter D.C (any one range) Range 0-50,100,250,500mA	PH223/1	Labtop Make (MO-65)	440/-
			PH223/2	Oxford Make (Mo-65)	1100/-
			PH223/3	Adarsh Make (EDM-80) Square	640/-
224		Mirror Strip, 4'x1' with Plastic Stand	PH224/1	Mirror Strip, 4'x1' with Plastic Stand	12/-
			PH224/2	Mirror Strip Mounted on Wooden base , 4'x2'	120/-
225		Mirror Strip, Holder	PH225/1	Plastic (Black Colour)	4/-
			PH225/2	Wooden Cube with slot to hold mirror strip	20/-
226		Models for Demonstration	PH226/1	Bio Gas Plant	1800/-
			PH226/2	Solar Cooker	1900/-
			PH226/3	Steam Engine Cut Section (All metal) with Acrylic plate	6400/-
			PH226/4	Steam Engine Model (Small)	2800/-
			PH226/5	Steam Engine with Electric Heater (Boiler Type)	9600/-
			PH226/6	Petrol Engine 2 Stroke	5200/-
			PH226/7	Petrol Engine 4 Stroke	5600/-
			PH226/8	Diesel Engine 2 Stroke	1500/-
			PH226/9	diesel Engine 4 Stroke	4400/-
			PH226/10	Vernier Calliper Model ( All Wooden)	1800/-
			PH226/11	Water Turbine Working Model (All Metal)	1600/-
			PH226/12	Wind Mill (Big Size)	2000/-
			PH226/13	Wine Mill (2parts) in wooden box new design superior quality	2000/-
			PH226/14	Sphermoreter Model (Metallic Large Size)	3200/-
			PH226/15	Screw gauge Model (Micrometer) (metallic Large Size)	1900/-
			PH226/16	Nudear Reactor in Acrylic Case	1900/-
			PH226/17	Nudear Fission in Acrylic Case	3800/-
			PH226/18	Nudear Fusion Model in Showcase	1600/-
			PH226/19	Nudear Chain Reaction in Acrylic case	4800/-
			PH226/20	Electrolysis Apparatuue/Electroplating App	800/-



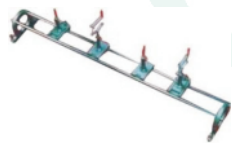


# List of Equipment

## Equipment for Physics

S. No.	Product Image		Product Code	Specification	Price
			PH226/21	Rocket/ Space Shuttle Model (Any One)	2400/-
			PH226/22	Spectr Scope (Wooden)	2600/-
			PH226/23	Satellite Model	3600/-
			PH226/24	Blast Furnace Model	6400/-
			PH226/25	Conservation of Energy/ Momentum (Newton Cradle)	2400/-
			PH150/26	Conservation of Linear Momentum in 2D	2400/-
			PH226/27	Fleming Left Hand Rule (With Manual)	2000/-
			PH226/28	Fleming Right Hand Rule (With manual)	4000/-
			PH226/29	Hydro Power Model	8800/-
			PH226/30	Bucky Ball (In Acrylic Showcase)	2600/-
			PH226/31	Nano-Tube (In Acrylic Showcase)	600/-
			PH226/32	Gear Model Motorised	2000/-
			PH226/33	Gear Model Simple	7000/-
			PH226/34	Agriculture Instruments Set (Wooden)	1400/-
			PH226/35	A.C. Main Domestic Circuit Model	1500/-
			PH226/36	Good & Bad Conductor (Circuit Board)	1400/-
			PH226/37	Bariow Wheel Horizontal	2500/-
			PH226/38	Jack Screw Model (Metal)	1600/-
			PH226/39	Coupled Pendulum Model)	22600/-
			PH226/40	Working of Diode Model	7000/-
			PH226/41	Centrifuge Force Kit-1	3600/-
			PH226/42	Centrifugal Force Kit-2	8000/-
			PH226/43	Persistence of Vision (Bird in Cage)	2000/-
			PH226/44	Electric & Effect of Current	2000/-
			PH226/45	Heating Effect of Current	1600/-
			PH226/46	Ampere Model	1100/-
			PH226/47	Street Light Circuit Model	1100/-
			PH226/48	Rain Alarm Model	1100/-
			PH150/49	Burglar Alarm Model	1100/-
			PH226/50	Touch Alarm Model	1100/-1
			PH226/51	Fire Alarm Model	1100/-
PH226/52	Full Tank Alarm Model	19600/-			
PH226/53	Clap Alarm Model	2600/-			
PH226/54	Wankel Engine Model Four Store	2100/-			
PH226/55	Gas Engine Model two Stroke with Battery Base	8200/-			
PH226/56	Gas Engine Model Four Stroke with Batter Base				
PH226/57	Hero Engine Model with Bumer				
227		Multimeter	PH227/1	Digital (Imported) Economical	720/-
			PH227/2	Analog (Sanwap - 3)	2600/-
			PH227/3	Digital (Imported) Superior Quality	2200/-
228		Neodymium Magent 10mm	PH228/1	Neodymium Magent 10mm	60/-
			PH228/2	Neodymium Magent 25mm	300/-
229		Newton Colour Disc with rotating wheel on stand	PH229/1	6" Disc (Regular Quality)	700/-
			PH229/2	8" Acrylic Screen Printed Disc with Heavy Base (Superior Quality )	1200/-

# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
230		Newton law of Cooling	PH230/1	University Pattern	3000/-
			PH230/2	School Pattern, Brass Sheet	1700/-
			PH230/3	School Pattern, G.I. Sheet	880/-
231		Newton law of Motion	PH231/1	First Law	900/-
			PH321/2	Second Law	900/-
			PH321/3	Third Law	1100/-
232		Newton Ring Apparatus	PH232/1	Combination of two lenses in Aluminium Frame	700/-
			PH232/2	Wooden Stand with inclined glass plate Note: The above are used in Six Position Vernier Imicroscope (Ph260)	500/-
			PH232/3	Metallic Frame with Adjustable Glass Plate	2200/-
233		Newton Ring Microscope (Compact Model)	PH233	Newton Ring Microscope (Compact Model)	16000/-
234		Nicholson Hydrometer	PH234	Nicholson Hydrometer	900/-
235		Nichrome Wire (Resistance Wire) 100gm	PH235	Nichrome Wire (Resistance Wire) 100gm	320/-
236		Nodal Slide Assembly w/o Optical Bench	PH236	Nodal Slide Assembly w/o Optical Bench	18000/-
237		OHM's Meter	PH237	OHM's Meter	1900/-
238		Orsted's Apparatus (Law Electromagnetism)	PH238	Orsted's Apparatus (Law Electromagnetism)	900/-
239		Optical Bench (All Wooden)	PH239/1	Optical Bench (All Wooden)	1300/-
			PH239/2	Optical Bench (Wooden) with Metal Riders	2900/-
240		Optical Bench (Metal Double Rod)	PH240/1	Brass Pipe, 1meter Long (Half Sharper Riders)	7600/-
			PH240/2	Brass Pipe, 1.5meter Long (Half Sharper Riders)	9600/-
			PH240/3	Iron Rod, 1meter Long (Ordinary)	4600/-
			PH240/4	Iron Rod, 1.5meter Long (Ordinary)	6000/-
			PH240/5	S.S.Rod, 1Metr Long (Half Shaper Riders)	9600/-
			PH240/6	S.S.Rod, 1.5meter Long (Half Shaper Riders)	11000/-
241		Optical Bench (Metal Double Rod)	PH141/1	Brass Pipe, 1meter Long	9600/-
			PH141/2	Brass Pipe, 1.5Meter Long	11400/-
			PH141/3	S.S.Rod, 1meter Long	11400/-
			PH141/4	S.S. Rod, 1.5meter Long	15800/-
242		Optical Bench (Rail Type) Aluminum Triangular Profile (Export Pattern)	PH242/1	1 Meter Long	60000/-
			PH242/2	1.5 Meter Long	66000/-
243		Slow Motion Rider Spare for double Rod Optical bench	PH243	Slow Motion Rider Spare for double Rod Optical bench	1200/-
244		Over Flow Vessel	PH244/1	Plastic	60/-
			PH244/2	G.I. Sheet	240/-

# List of Equipment



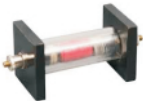





Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
245		Parallelogram Apparatus (Gravesand Apparatus)	PH245/1	Provided with Three slotted weights of 250gms & Two Z-pulley Wall Type	280/-
			PH245/2	Stand Type (Wooden)	20/-
			PH245/3	All Metal Stand (Gujarat Type)	96/-
246		Optical Needle (Parallax Pin) 100mm Iron. C.P.	PH246	Optical Needle (Parallax Pin) 100mm Iron. C.P.	40/-
247		Optical Needle Stand (Stand only)	PH247	Optical Needle Stand (Stand only)	240/-
248		Pascal Law (Glass)	PH248	Pascal Law (Glass) Demonstrates how pressure is transmitted equally in all direction	280/-
249		Periscope (Wooden)	PH249	Periscope (Wooden)	280/-
250		Pinch Clip	PH250/1	(Iron) Mohr Type	20/-
			PH250/2	(Iron) Hoffman (Screw Type)	96/-
251		Pin Hole Camera (Wooden)	PH251	Pin Hole Camera (Wooden)	340/-
252		Pith Ball Pendulum (On Stand)	PH252	Pith Ball Pendulum (On Stand)	240/-
253		Platinum Resistance Thermometer	PH253	Platinum Resistance Thermometer	13200/-
254		Direct Vision Spectroscope (Brass)	PH254	Direct Vision Spectroscope (Brass)	3600/-
255		Plug Key	PH255/1	One Way with brass block, Routing Quality	144/-
			PH255/2	One Way with 1/2" brass block, Superior Quality	300/-
			PH255/3	Tow Way with brass block, Routing Quality	220/-
			PH255/4	Two Way with 1/2" brass block, Superior Quality	500/-
			PH255/5	Three Way with brass block, Routine Quality	400/-
256		Plumb Line (Brass)	PH256	Plumb Line (Brass)	40/-
257		Poisson's Ratio of Rubber Apparatus	PH257	Poisson's Ratio of Rubber Apparatus	4800/-
258		Polarimeter	PH258/1	Laurent's Half Shade	9600/-
			PH258//2	Bi-Quartz	12800/-
			PH258//3A	Research Model Half Shade. 200mm Tube	70000/-
			PH258/3B	Research Model Half Shade, 400mm Tube	152000/-
			PH258//8	Digital Polarimeter	140000/-
259		Spare Polarimeter Tube. 200	PH259	Spare Polarimeter Tube. 200	1000/-
260		Polaroid (Polarizer & Analyser)	PH260/1	Routine Quality (Aluminium Simple Type)	2400/-
			PH260/2	Superior Quality (All Brass) Graduated	4800/-
261		Pohl's Commutator	PH261	Pohl's Commutator	800/-

# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
262		Porous Pot(Porcelain)	PH262/1	Empty, 150x50mm for Daniel Cell	64/-
			PH262/2	Filled for Leclanche Cell	280/-
263		Post Office Box (Constantan Coil) Plug Type	PH263/1	3- Ratio (Routine Quality)	5200/-
			PH263/2	3- Ratio, 1/2" Brass Block (Superior Quality)	7200/-
			PH263/3	4 - Ratio, Ring Type Brass Block (Routine)	5600/-
264		Potentiometer  One meter long wooden board equipped with brass strips on sunmica base	PH264/1	4-wire with Pencil Jockey	1500/-
			PH264/2	4-wire with Spring Type Press Jockey	3000/-
			PH264/3	10-wire with Pencil Jockey	2200/-
			PH264/4	10-wire with Spring Type Press Jockey	5200/-
			PH264/5	Potentiometer 1 Wire (Pencil Jockey) 1Mtr	1200/-
			PH264/6	Potentiometer 1 Wire (Half Mtr Long)	800/-
			PH264/7	Extra Charges for Heavy Frame to Avoid Bending	500/-
265		Potentiometer (Teak Wood)	PH265/1	4-wire on Teakwood with Pencil Jockey	3000/-
			PH265/2	4-wire on Teakwood with Spring Type Press Jockey	4400/-
			PH265/3	10-wire on Teakwood with Pencil Jockey	5200/-
			PH265/4	10-wire on Teakwood with Spring Type Press Jockey	8800/-
266		Potentiometer (Pulley Type) for ease in Tightening of Wires	PH266/1	4-wire with Pencil Jockey on Wooden Board	2600/-
			PH266/2	10- wire with Pencil Jockey on Wooden Board	3200/-
267		Primary Coloure Kit (Working Mode)	PH267	Primary Coloure Kit (Working Mode)	3000/-
268		Pullinger Linear Expansion App(wooden) 1/2mtr	PH268	Pullinger Linear Expansion App(wooden) 1/2mtr	2800/-
269		Pulley (With Hook)	PH269/1	<b>Aluminium, Dia 38mm</b>	
			PH269/2	Single	180/-
			PH269/3	Double (Parallel)	360/-
			PH269/4	Triple (Parallel)	540/-
			PH269/5	<b>Plastic, Dia 38mm</b>	
			PH269/6	Single	60/-
			PH269/7	Double (Parallel)	88/-
			PH269/8	Triple (Parallel)	128/-
270		Pulley in Series (Aluminium)	PH270/1	Double	400/-
			PH270/1	Triple	600/-
271		Pulley Apparatus	PH271/1	Pulley Apparatus	1400/-
			PH271/2	Moment Bar Apparatus	2800/-
272		Rain Gauge Apparatus Metal (with plastic cylinder)	PH272/1	Brass	2000/-
			PH272/2/1	G.I.Sheet	1000/-
			PH272/1	Plastic	700/-
273		Ray Box	PH273	Ray Box	1400/-
274		Ray Optics Kit (Complete with working manual)	PH274	Ray Optics Kit (Complete with working manual) demonstrates basics of Light like reflection, Refraction, Deviation of Light etc.	4800/-
275		Power Supply for Ray Optics Kit	PH275	Power Supply for Ray Optics Kit	2000/-
276		Quink's Method Platform For mercury	PH276	Quink's Method Platform For mercury	1400/-

# List of Equipment

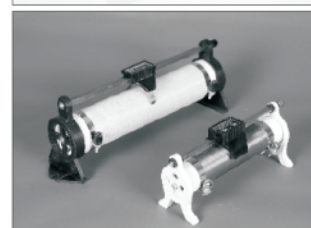
## Equipment for Physics

S. No.	Product Image		Product Code	Specification	Price
277		Reading Telescope	PH277/1	On Stand, Routine Quality	2800/-
			PH277/2	With Scale Arrangement, Deluxe model	7600/-
278		Reflection of Light Apparatus	PH278	Reflection of Light Apparatus	900/-
279		Reflection Of Sound Apparatus	PH279/1	Small Size	500/-
			PH279/2	Big Size	1200/-
280		Resistance Box (Brass) Plug Type		Constantan Coil, 9mm Thick Brass Block (Routine Quality)	
			PH280/1	0.1 to 1 or 1 to 10 Ohm (Any One)	1800/-
			PH280/2	0.1 to 10 or 1 to 100 Ohm or 1-50 Ohm (Any One)	1800/-
			PH280/3	1 to 500 Ohm	2400/-
			PH280/4	1 to 5000 Ohm	2400/-
			PH280/5	1 to 10000 Ohm	3000/-
			PH280/6	1 to 200 Ohm	3000/-
				Constantan Coil 1/2 Brass Block, Teak Wood Case (Deluxe Quality)	
			PH280/7	0.1 to 1 or 1 to 10 Ohm (Any One)	2400/-
			PH280/8	0.1 to 10 or 1 to 100 Ohm or 1-50 Ohm (Any One)	2600/-
			PH280/9	1 to 500 Ohm	3000/-
			PH280/10	1 to 1000 Ohm	3900/-
			PH280/11	1 to 5000 Ohm	3900/-
			PH280/12	1 to 10000 Ohm	4800/-
			PH280/13	1 to 200 Ohm	4800/-
				Wire Wound Maganin Coil 1/2 Brass Block, Teak Wood Case (Superior)	
			PH280/14	0.1 to 1 or 1 to 10 Ohm (Any One)	2800/-
			PH280/15	0.1 to 10 or 1 to 100 Ohm or 1-50 Ohm (Any One)	3600/-
			PH280/16	1 to 500 Ohm	4800/-
PH280/17	1 to 1000 Ohm	4800/-			
PH280/18	1 to 5000 Ohm	6000/-			
PH280/19	1 to 10000 Ohm	6000/-			
281		Dial Type Resistance Box or Decade Resistance Box	PH281/1	Single Dial, Each Dial Consist of 10 steps	1700/-
			PH281/2	Double Dial, Each Dial Consist of 10 Steps	3400/-
			PH281/3	Triple Dial, Each Dial Consist of 10 Steps	5100/-
			PH281/4	Four Dial, Each Dial consist of 10 steps	6800/-
282		Resistance Coil	PH282/1	Round Bakelite Case (Any Range 1 to 100 Ohms)	40/-
			PH282/2	Transparent Case (Any Range 1 to 100 Ohms)	100/-
			PH282/3	(High Resistance), 1k,2k,5k % 10k	480/-
283		Resonance Apparatus with 25mm S.S. Pipe	PH283	Resonance Apparatus with 25mm S.S. Pipe	2900/-
284		Reversing Key	PH284	Reversing Key	500/-
285		Rigidity Apparatus (Searls's)	PH285	Rigidity Apparatus (Searls's) To find the Modulus of rigidity for the material of wire with Two Brass Rods about 30cm long	3000/-
286		Rigidity Apparatus (Dynamical Method)	PH286	Rigidity Apparatus (Dynamical Method) Consists of Graduated iron rod of length 16" & dia 1" Circular weight with Screw is also Provided. Supplied with wall bracket. demonstrates basics of Light like reflection, Refraction, Deviation of Light etc.	3400/-
287		Rigidity Stand	PH287	Rigidity Stand	3600/-
288		Ring & Ball apparatus (with Handle)	PH288/1	Ball 18mm	260/-
			PH288/2	Ball 25mm	700/-

# List of Equipment

## Equipment for Physics

S. No.	Product Image		Product Code	Specification	Price			
289		Rubber Hammer	PH289/1	Hammer with Rubber Cork at one end of rod	120/-			
			PH289/2	Complete Wooden with Cork Lining on Hammer Heads	100/-			
290		Rubber Pad	PH2900	Rubber Pad	32/-			
291		Screw Gauge (Micrometer) Sand Blasted, L.C 1/100mm	PH291/1	10mm	360/-			
			PH291/2	15mm	400/-			
			PH291/3	20mm	480/-			
			PH291/4	25mm	520/-			
			PH291/5	25mm, Superior Quality (In Plastic Box)	560/-			
			PH291/6	Screw Gauge (Digital) Imported 25mm	14000/-			
			PH291/7	Screw Gauge 25mm (All Brass)	1000/-			
292		Screw Gauge (Micrometer) Stainless Steel Rod	PH292/1	20mm	700/-			
			PH292/2	25mm	800/-			
293		Screw Gauge with Lacking Arrangement 25mm	PH293	Screw Gauge with Lacking Arrangement 25mm	900/-			
294		Solenoid on wooden Base (Magnetizing & Demagnetizing coil)	PH294/1	Solenoid on wooden Base (Magnetizing & Demagnetizing coil)	1600/-			
			PH294/2	Solenoid on stand (Small)	500/-			
295		Searle's Apparatus (Young Modulus)	PH295/1	Iron	2500/-			
			PH295/2	Brass	3500/-			
			PH295/3	Spare Velvet Case for above	800/-			
			PH295/4	Vernier Type	2000/-			
296		Searle's Surface Tension Balance	PH286	Searle's Thermal Conductivity	5200/-			
297		Searle's Thermal Conductivity (Superior Quality)	PH297/1	18mm, Copper Rod	9200/-			
			PH297/2	25mm, Copper Rod	12000/-			
298		Self & Mutual Induction Coil	PH298	Self & Mutual Induction Coil "	2800/-			
299		Rheostat (Brass Rod) 4.3cm Dia Tube	PH299	Size 15cm Cat. No. A201/6 Cat. No. A201/17 (2.3 Amp to 0.3 Amp in Chart Below)	1040/-			
				Size 15cm Cat. No. A201/6 Cat. No. A201/17 (2.3 Amp to 0.3 Amp in Chart Below)	1200/-			
				Size 15cm Cat. No. A201/6 Cat. No. A201/17 (2.3 Amp to 0.3 Amp in Chart Below)	1400/-			
				Size 15cm Cat. No. A201/6 Cat. No. A201/17 (2.3 Amp to 0.3 Amp in Chart Below)	1600/-			
	<b>Cat. No</b>	<b>Length Amps</b>	<b>15cms Ohms</b>	<b>20cms Ohms</b>	<b>25cms Ohms</b>	<b>30cms Ohms</b>	Size 15cm Cat. No. B201/1 to Cat. No. B201/5 (8.0 Amp to 2.8 Amp in Chart Below)	1400/-
	B201/1	80.	1.5	2.5	3.5	4.5	Size 15cm Cat. No. B201/1 to Cat. No. B201/5 (8.0 Amp to 2.8 Amp in Chart Below)	1600/-
	B201/2	6.5	3.0	4.5	6.0	7.5	Size 15cm Cat. No. B201/1 to Cat. No. B201/5 (8.0 Amp to 2.8 Amp in Chart Below)	1700/-
	B201/3	5.0	4.5	6.5	8.5	10.5	Size 15cm Cat. No. B201/1 to Cat. No. B201/5 (8.0 Amp to 2.8 Amp in Chart Below)	1900/-
	B201/4	4.2	8	12	16	20		
	B201/5	3.3	10	16	22	28		
	B201/6	2.8	15	22	29	35		
	B201/7	2.3	23	34	45	56		
	B201/8	1.8	34	55	74	92		
	B201/9	1.6	50	75	100	125		
	B201/10	1.4	64	96	128	160		
	B201/11	1.2	89	135	180	225		
	B201/12	1.0	116	175	235	295		
	B201/13	0.8	160	240	320	400		
	B201/14	0.6	270	400	540	680		
	B201/15	0.5	400	600	800	1000		
	B201/16	0.4	650	975	1300	1625		
	B201/17	0.3	1000	1650	2300	2850		



# List of Equipment

## Equipment for Physics














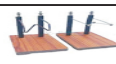
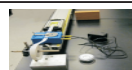
S. No.	Product Image		Product Code	Specification	Price
300		Ring & Ball Apparatus on Stand (18mm)	PH300	Ring & Ball Apparatus on Stand (18mm)	700/-
301		Ripple Tank with Power Supply (Export Quality) 18"18"	PH301	Ripple Tank with Power Supply (Export Quality) 18"18"	9600/-
302		Rising Table (Complete) with Capillary Tube Clamp & side rod attachment	PH302	Rising Table (Complete) with Capillary Tube Clamp & siderod attachment Used in Experiment: Surface Tension of Liquid by capillary rise method	3400/-
303		Sextant (Brass parts) withstand	PH303	Sextant (Brass parts) withstand	26000/-
304		Simple Pendulum Apparatus	PH304/1	10" long with 18mm brass bob (Light Pattern)	560/-
			PH304/2	18" long o A-base with 25mm brass bob	1100/-
			PH305/3	Stand Type (with Retort Stand + 1" bob + cork & thread	1200/-
305		Simple Cell (Voltaic Cell) Contests of Copper & Zinc Plate in Plastic Jar	PH305	Simple Cell (Voltaic Cell) Contests of Copper & Zinc Plate in Plastic Jar	400/-
306		Slit for Resolving Power (Micrometer Slit	PH306	Slit for Resolving Power (Micrometer Slit	2700/-
307		Resolving Power of Telescope (Complete Setup)	PH307	Resolving Power of Telescope (Complete Setup)	14000/-
308		Young Slit	PH308/1	Single Slit (Adjustable)	1600/-
			PH308/2	Double Slit (Adjustable)	2400/-
309		Kinetic Theory Model	PH309	Kinetic Theory Model	3200/-
310		Slinky Spring	PH310/1	75x50mm	120/-
			PH310/2	100x75mm	440/-
311		Self & Mutual Induction Coil	PH311	Self & Mutual Induction Coil	2800/-
312		SLOTTED WEIGHT (With Hanger) (Iron Chrome Plated)	PH312/1	50gm ; 5x10gm	180/-
			PH312/2	100gm ; 5x20gm	220/-
			PH312/3	250gm ; 5x50gm	280/-
			PH312/4	500gm ; 5x100gm	520/-
			PH312/5	1kg ; 5x200gm	1100/-
				(Brass Chrome Plated)	
			PH312/6	25gm ; 5x5gm	220/-
			PH312/7	50gm ; 5x10gm	340/-
			PH312/8	100gm ; 5x20gm	560/-
			PH312/9	250gm ; 5x50gm	960/-
			PH312/10	500 gm 5x100gm	1700/-
				(Iron Black Painted)	
313		Sodium Vapour Lamp Setup	PH313/1	Sodium Vapour Lamp (35watt)	8000/-
			PH313/2	Sodium Lamp Wooden Box with Slits	2400/-
			PH313/3	Sodium Lamp Transformer (35 watt)	3600/-
				Note: Sodium Lamp Price is Subject to change due to Dollar Fluctuation	
314		Stop Clock Led Digital 230V AC (Range 999.9 Sec.)	PH314	Stop Clock Led Digital 230V AC (Range 999.9 Sec.)	10000/-

# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
315		Working Models on Principle of Solar Energy	PH315/1	Solar Bulb Model (In Wooden Case)	800/-
			PH315/2	Solar Bulb Model (Economical) on Plastic Base	560/-
			PH315/3	Solar Fan Model (In Wooden Case)	1200/-
			PH315/4	Solar Fan Model (Economical) on Plastic Base	900/-
			PH315/5	Solar Energy kit (4 in 1) Superior Quality Wooden	3000/-
			PH315/6	Solar Wind Mill On house	4400/-
			PH315/7	Solar Water heater	4400/-
			PH315/8	Solar Water Pump	1800/-
			PH315/9	Solar Panel (Loose with single output 2V, 100mA)	500/-
			PH315/10	Solar Panel (Loose with single output 4V, 100mA)	900/-
			PH315/11	Solar Panel (Loose with single output 8V, 100mA)	1600/-
			PH315/12	Solar panel 6V/ 100mA	1400/-
316		Sonometer	PH316/1	Soft Wood (Aluminium Fitting)	1600/-
			PH316/2	Teak Wood (Brass Fitting)	2700/-
			PH316/3	Soft Wood (Brass Fitting)	2200/-
317		Electromagnet with T Ransfomer For Scnometer	PH317/1	Electromagnet with T Ransfomer For Scnometer	2200/-
		Electromagnet for Sonometer w/o Transformer	PH317/2	Electromagnet for Sonometer w/o Transformer	600/-
318		Kinetic Theory Model	PH318/1	Hydrogen Spectrum Tube	800/-
			PH318/2	Helium Spectrum Tube	800/-
			PH318/3	Neon Spectrum Tube	800/-
			PH318/4	Argon Spectrum Tube	800/-
			PH318/5	Carbon Spectrum tube	800/-
			PH318/6	Mercury Spectrum Tube	800/-
			PH318/7	Nitrogen Spectrum Tube	800/-
			PH318/8	Oxygen Spectrum Tube	800/-
			PH318/9	Sulphur Spectrum Tube	800/-
			PH318/10	X-Ray Tube	4400/-
			PH318/11	Cathode Ray Tube	1600/-
			PH318/12	Power Supply for Above Spectrum tube	8000/-
			PH318/13	Power Supply for cathode Ray Tube	8000/-
319		Spectrometer (in Wooden Box)	PH319/1	6", Routine Quality	13200/-
			PH319/2	6", Superior Quality	18000/-
			PH319/3	7", Superior Quality	23200/-
			PH319/4	6", Deluxe Quality	19400/-
			PH319/5	Spectrometer Eyepiece (Crossline)	800/-
320		Spectrometer Prism (32x32)	PH320/1	Crown, R.I 1.5	600/-
			PH320/2	D. Flint, R.I 1.62	1100/-
			PH320/3	E.D.F, R.I. 1.65	1400/-
			PH320/4	D.E.D.F, R.I. 1.71	2800/-
321		Spectrometer Prism (25x25)	PH321/1	Crown, R.I 1.5	440/-
			PH321/2	D. Flint, R.I 1.62	700/-
			PH321/3	E.D.F, R.I. 1.65	1000/-
322		Spectrometer Brass	PH322/1	Single Disc 1/100mm " Superior"	400/-
			PH322/2	Double Disc 1/100mm "Superior"	520/-
			PH322/3	Single Disc, Ordinary Quality	320/-
323		Spiral Spring (Helical) with pointer	PH323	Spiral Spring (Helical) with pointer	152/-









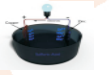




# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
324		Spirit Level	PH324/1	6" or 4" Plastic (Any One)	120/-
			PH324/2	2" Brass	132/-
			PH324/3	3" Brass	200/-
325		Spirit Balance (Specify Range at time of Order)	PH325/1	Plastic Body, 100/250/500gm/ kg (Any One)	92/-
			PH325//2	Tubular Acrylic, 100/250/500gm/1kg (Any one)	180/-
			PH325//3	Spring Balance (Acrylic) 10kg	340/-
			PH325//4	Spring Balance (Acrylic) 5kg	200/-
326		Spot Reflecting Galvanometer 125Ohm	PH326	Spot Reflecting Galvanometer 125Ohm	15000/-
327		Standard Cell (Electronic Version) 1.0186V	PH327	Standard Cell (Electronic Version) 1.0185V	2600/-
328		Steam Boiler (Copper)	PH3281	Capacity 1Ltr	1100/-
			PH328/2	Capacity 2Ltr	1600/-
			PH328/3	Steam Trap " B orosilicate"	240/-
329		Steel Wire (100gm)	PH329	Steel Wire (100gm)	160/-
330		Stewart & Gee's Apparatus (All Meta)	PH330	Stewart & Gee's Apparatus (All Meta)	4400/-
331		Stop Clock, (Metal Body) Smith Type, Fly Back Action	PH331/1	Stop Clock	1400/-
			PH331/2	Esal	2300/-
			PH331/3	Digital Stop Clock" Topper	1600/-
332		Stop Watch " Price Subject to Doller Fluctuation"	PH332/1	Mechanical 1/10 Sec, (Heavy Quality)	8800/-
			PH332/2	Digital 1/1000 Sec,	1000/-
			PH332/3	Digital 1/100 Sec, Routine Quality	300/-
333		Tangent Galvanometer	PH333/1	Brass 2,50,500 Turns, Superior Quality	2700/-
			PH333/2	Aluminum, Routine Quality	2000/-
334		Tapping Key	PH334/1	Single Contact	60/-
			PH334/2	Double Contact	240/-
335		Thermometer (30cm Lenght)	PH335/1	-10 to 110C, Mercury	180/-
			PH335/2	-10 to 250C or 360C , Mercury (Any One)	180/-
			PH335/3	-10 to 220F, Mercury	180/-
			PH335/4	-10 to 80R, Mercury	180/-
			PH335/5	-10 to 110C, Mercury	80/-
			PH335/6	1/10 b(Precision), 18" long -10 to 110C, Mercury	400/-
336		Multistem Digital Thermometer with Probe	PH336/1	Multistem Digital Thermometer with Probe	1800/-
			PH336/2	Pen Type Digital Thermometer -50 to +300Oc	800/-
337		Thermocouple (Copper-Constantan)	PH337	Thermocouple (Copper- Constantan)	700/-
338		Ticker Tape Timer Apparatus (with paper Tape)	PH338	Ticker Tape Timer Apparatus (with paper Tape)	2400/-

# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
339		Travelling Microscope, L.c. 0.01mm	PH339/1	2-Motion, in wooden box (Regular Quality)	13200/-
			PH339/1A	2-Motion, in wooden box (Superior Quality)	16800/-
			PH339/3	3-Motion, in wooden box (Superior Quality)	19800/-
340		Traveling Microscope Eyepiece (Cross line)	PH340	Traveling Microscope Eyepiece (Cross line)	800/-
341		Triple Beam Balance	PH341/1	Cap. 111 gms, on mica base	3600/-
			PH341/2	Cap. 310 gms, on mica base	4000/-
			PH341/3	Cap. 2610 gms, on mica base	5600/-
342		Tuning Fork (Set of 8)	PH342/1	In Thermocole Box, Routine Quality	440/-
			PH342/2	In Thermocole Box, Superior Quality	760/-
			PH342/3	Which Type, in Velvet Box	1100/-
			PH342/5	Tuning Fork Loose	60/-
343		Tuning Fork Deluxe Quality (Set of 8) with Calibration Certificate	PH343/6	Blue Steel	1200/-
			PH343/7	Aluminium ( Light Pattern)	3000/-
			PH343/8	Aluminium (Heavy Pattern)	4800/-
344		Variac/ Dimmerstate/ Auto Transformer	PH344/1	Single Phase, 2Amp	5200/-
			PH344/2	Single Phase, 4 Amp	9200/-
345		Vande Graf Generation (Motorised)	PH345/1	Vande Graf Generation (Motorised)	12000/-
			PH345/2	Vande Graf Generation (Hand Driven)	7200/-
346		Vernier Calliper	PH346/1	Wheel Type, 12cm, Chrome Plated	160/-
			PH346/2	IME Type, 12cm, Chrome Plated	560/-
			PH346/3	Wheel Type, 12cm, Stainless Steel	700/-
			PH346/4	Vernier Calliper Imported, Digital L.C. 0.01mm	2800/-
347		Vernier Microscope (Six Position in Wooden Box	PH347	Vernier Microscope (Six Position in Wooden Box	12000/-
348		Vibration Magnetometer (Brass)	PH348	Vibration Magnetometer (Brass)	1900/-





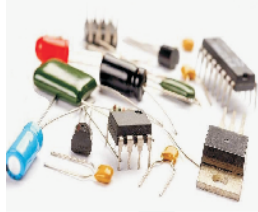
# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
349		Searle's Viscometer	PH349	Searle's Viscometer	10000/-
350		Viscosity Apparatus (Stokes Law)		1 Meter Tube of 35mm Dia To Fit In Provide Metal Stand (Without Liquid)	
			PH350/1	Provided with Borosillicate Glass Tube	3200/-
			PH350/2	Provided with Graduated Acrylic Tube (Un Breakable)	4400/-
			PH350/3	Spare Acrylic Graduated Tube for above 30x35mm	1600/-
351		Viscosity Apparatus (Poiseulles)	PH351	Viscosity Apparatus (Poiseulles)	4400/-
352		Voltmeter (MO-65) Any One Range Round Dal	PH352/1	DC with Stand	440/-
			PH352/2	AC with Stand, Range 0-3, 5, 10Volt	540/-
353		Voltmeter (MO-65) (Any One Range) Round Dal	PH353/1	DC with Stand	1100/-
			PH353/2	AC with Stand, Range 0-3, 5, 10Volt	1400/-
354		Voltmeter (EDM -80) Square Dial, (Any One Range)	PH354/1	DC, Range 0-1, 3,5,10,12,25,50,100,250,500 Volt	640/-
			PH354/2	AC, Range 0-3, 5, 10 Volt	1400/-
355		Vortic Cell (with Copper & Zine Plate)	PH355	Vortic Cell (with Copper & Zine Plate)	440/-
356		Wheel & Axle Model (Wooden)	PH356	Wheel & Axle Model (Wooden)	800/-
357		Water Level Apparatus on Base	PH357	Water Level Apparatus on Base	260/-
358		Water Voltmeter	PH358/1	Cup Shape with tubes & platinum electrode	1300/-
			PH358/2	Routine Quality	760/-
			PH358/3	Acrylic Type	1800/-
359		Wave Motion Machine (Hand Operated)	PH359/1	Wooden Base PH 269/2	2800/-
			PH359/2	All Pastic PH269/4	4800/-
360		Weight Box (Physical )	PH360/1	Iron C.P. 1gm to 10gm	440/-
			PH360/2	Brass C.P. 1gm to 100gm	1200/-
			PH360/3	Brass C.P. 1gm to 200gm	2200/-

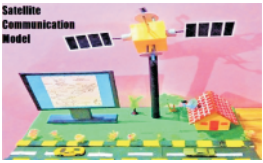










# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
361		Weights of Physical Weight Box (Brass)	PH361/9	1gm	28/-
			PH361/10	2gm	36/-
			PH361/11	5gm	44/-
			PH361/4	10gm	72/-
			PH361/5	20gm	120/-
			PH361/6	50m	192/-
			PH361/7	100gm	360/-
362		White Screen	PH362/1	Acrylic 4"x4" with Rod	600/-
			PH362/2	Acrylic 12"x3" with Rod	1200/-
			PH362/3	Wooden	160/-
363		Wind Wane	PH363/1	Big Size	4400/-
			PH363//2	Small Size (Ordinary)	1000/-
364		Wooden Block with Hook, Size 100x75x15mm	PH364/1	Worchester Kit (Basic Electric Circuit Kit)	6600/-
			PH364/2	Wire Gauge Screen (Wooden)	200/-
365		Wooden Cube / Cylinder/ Sphere (Any One)	PH365	Wooden Cube / Cylinder/ Sphere (Any One)	72/-
366		Z-Pulley (Pulley Clamp Pattern)	PH366	Z-Pulley (Pulley Clamp Pattern)	180/-
367		Zine Metal granular	PH367/1	Local Packing,500gm	720/-
			PH367/2	NICE Chemical Make, Granular 250gm	1600/-
				Note : We are Authorised Stockist of NICE Chemicals (Huge Ready Stock)	
368		Zine Palte (with Thick Terminals)	PH368	Zine Palte (with Thick Terminals)	120/-
369		Zinc Rod (with Terminal, Dia 9mm)	PH369	Zinc Rod (with Terminal, Dia 9mm)	140/-
370		Zeeman Effect (Complete Experiment Setup)	PH370	Zeeman Effect (Complete Experiment Setup)	560000/-
371		'G' By Free Fallapparatus	PH371	'G' By Free Fallapparatus	10000/-

# List of Equipment

Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
372		Wooden Wedge, Height 5" (triangular)	PH372/1	Wooden Wedge, Height 5" (triangular)	280/-
			PH3728/2	WOODEN WEDGE of Sonometer (Pair)	200/-
373		Capillary Tube (Set of 3 Different Dial) 6" Lenth	PH373	Capillary Tube (Set of 3 Different Dial) 6" Lenth	120/-
374		Linear Air Track Apparatus 1.25meter	PH374	Linear Air Track Apparatus 1.25meter	56000/-
375		Wimshurt Machine (12")	PH375	Wimshurt Machine (12")	8800/-
376		Electronic Components	PH376/1	Capacitor Assorted (Pack of 25)	200/-
			PH376//2	Diodes Assorted (Pack of 25)	200/-
			PH376//3	IC Loose	40/-
			PH376//4	LED Assorted (Pack of 25)	200/-
			PH376//5	LDR Loose	40/-
			PH376//6	Resistors Carbon (Pack of 100)	800/-
			PH376//7	transistor NPN/PNP (Pack of 25)	200/-
			PH376//8	thermistor Loose	60/-
			PH376//9	Soldering Wire (Roll)	600/-
			PH376//10	Soldering Flux (Paste)	400/-
			PH376//11	PCB Spare 4"x6"	100/-
			PH376//12	Cell Holder Single ( Pencil Cell Type)	80/-
			PH376//13	Cell Holder Double (Pencil Cell Type)	60/-
			PH376//14	Bule (1.5 Volt to 6 Volt ) Pack of 10	80/-
			PH376//15	Bulb Holder (Single)	200/-
			PH376//16	On/Off Switch	28/-
			PH376//17	Single Stranded wire (100 Yard Approx)	20/-

# List of Equipment

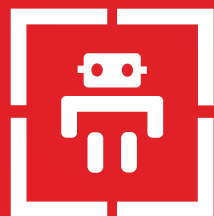
Equipment for Physics					
S. No.	Product Image		Product Code	Specification	Price
377		Working Models For Student Display Projects	PH377/1	Golbal Warming Models (Non Working)	3600/-
			PH377//2	Night Sensor Model	3600/-
			PH377//3	Wind Mill Project	3600/-
			PH377//4	Rain Water Harvesting	6400/-
			PH377//5	Purification of water using still Method	6400/-
			PH377//6	Earth Quake Model	3600/-
			PH377//7	Speed Braker Electriciety Producing Model	3600/-
			PH377//8	Dam Working Model	4400/-
			PH377//9	Electric Crance Model	2000/-
			PH377//20	Trafrfic Light Signal Model	3000/-
378		Force Table (wooden)	PH378	Force Table (wooden)	9200/-
379		Eddy Current Apparatus	PH379	Eddy Current Apparatus	5600/-
380		Primary & Secondary Coil	PH380	Primary & Secondary Coil	3200/-
381		Magnetizing & Demagnetising Coil 12"	PH381	Magnetizing & Demagnetising Coil 12"	2000/-
382		Circuit Board	PH382/1	Simple Pattern	1000/-
			PH382/2	Deluxe Pattern	2600/-
383		Hartle's Optical Disc With Magnetic Optical Lens	PH383/1	With Ray Box	8800/-
			PH383/2	With 5 Point Laser	11200/-
384		Stroboscope (Hand Model)	PH384	Stroboscope (Hand Model)	800/-
385		Lever Apparatus without Weights	PH385	Lever Apparatus without Weights	2400/-
386		Laser Optic Kit (Single Laser)	PH386	Laser Optic Kit (Single Laser)	4800/-
387		Laser Optical Tank	PH387	Laser Optical Tank	4000/-

## Physics Laboratory Furniture



## Sample of physics Laboratory





# LBD

Let's Build and Develop

Design & Printed By : Galaxy Enterprises # 9818554721

## **LBD Robotics Pvt. Ltd.**

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