



Poompuhar College (Autonomous)

of the Tamil Nadu Hindu Religious & Charitable Endowment (H.R. & C.E)

Recognized by UGC under section 2(f) and 12(B) of the UGC Act, 1956

Melaiyur Post, Sirkali Taluk, Tamil Nadu - 609 107.



3.1.1 *The institution's research facilities are frequently updated and there are well defined policy for promotion of research which is uploaded on the institutional website and implemented*

List of Laboratory Equipments

SPECIALISED EQUIPMENTS IN SCIENCE LABORATORIES**DEPARTMENT OF CHEMISTRY**

S. No	List of Equipment, Instruments and Machineries	Total
1	Hot air oven	2
2	Vacuum desiccator with cover, Porcelain plate 8 dia	1
3	All glass distillation apparatus	2
4	Heating Mantle 5 litre capacity	1
5	Hot plate with digital speed indicator	2
6	Microwave oven	1
7	Digital p ^H meter with electrode	1
8	Digital potentiometer with electrode	2
9	Digital conductivity meter with cell	2
10	Soxhlet apparatus full set	1
11	Rotary vacuum evaporator	1
12	Centrifuge hand operated	1
13	Digital stop watch	1
14	Digital electronic balance	2
15	Digital spectrophotometer	1
16	Dispensing scale balance	1
17	Halogen lamp for OHP	1
18	Hot plate	1
19	Muffle furnace	1
20	Photoelectric colorimeter	1
21	Electrical stirrer	1
22	Thermostatic constant water bath	1
23	Digital Potentiometer	1

PG & RESEARCH DEPARTMENT OF PHYSICS

LABORATORY STOCK LIST

S. No	Name of the Apparatus	Stock
1.	Ammeter	64
2.	Biscuit Balance	01
4.	Spherical Calorimeter	05
5.	Compound bar pendulum	02
6.	Charge discharge key	06
7.	Commtator plug type (silver)	01
8.	Commtator Reversing type	04
9.	Condenser 0.2 micro farad	05
10.	Condenser 0.1 microfarad	01
11.	Condenser 0.5 micro farad	04
12.	Field along the axis apparatus	03
13.	Forbe's thermal conductivity apparatus	03
14.	Condenser 2 dial (0.1 ,0.01)	04
15.	Condenser 4 dial (.0001,001, .01, 0.1)	03
16.	Corey Foster Bridge	05
17.	Dip circle	01
18.	DPDT Switch	06
19.	Deflection Magnetometer box	06
20.	Deflection Magnetometer board	06
21.	Drawing board	08
22.	Battery eliminators, 2, 4, 6V-2 amps	04
23.	Fixograph board	01
24.	Galvanometer	14
25.	SPOT Reflecting Galvanometer	03
26.	G Clamp	08
27.	High Resistance	11
28.	Hare's apparatus	04
29.	Induction coil -200 turns	04
30.	Induction coil -400 turns	04
31.	Induction coil -300 turns	02
32.	Induction coil-500 turns	02
33.	Induction coil-0, 300, 400, 500 taping	10
34.	Joule's Calorimeter apparatus	05
35.	Knife edge-Iron	08
36.	Knife edge-wooden	02
37.	Leeis Disc	03
38.	Air Wedge	04

39.	Beaker (Glass) Plastic 50ml	17
40.	Eye Piece	03
41.	Funnels(Glass/Plastic)	18
42.	Grating	08
43.	Lenses	126
44.	Multimeter	09
45.	Melde's apparatus	02
46.	Meter Bridge	04
47.	Travelling microscope	09
48.	Magnet 3''	5 Pairs
49.	Magnet 2	2 Pairs
50.	Meter scale 1 meter	22
51.	Mercury Vapour lamp	04
52.	Mercury	600 gm
53.	P.O. Box	02
54.	Plug Key one way	11
55.	Plug Key two way	02
56.	Prisms	22
57.	Potentiometer – 10 meter wire	03
58.	Resistance box 4 dial,	17
59.	Resistance box 2 dial (1,10)	01
60.	Resistance box 2 dial (X.1,X1)	03
61.	Resistance box single dial (x.1)	03
62.	Resistance box single dial (x.01)	02
63.	Standard Resistance (1 ohm)	16
64.	Standard Resistance (2 ohm)	07
65.	Standard Resistance (3 ohm & 5 ohm)	04
66.	Rheostat 50 ohms	09
67.	Rheostat 3600 ohms	03
68.	Searle's viscometer	03
69.	Spectrometer	04
70.	Static torsion apparatus	03
71.	Steel cup board	07
72.	Screw gauge	10
73.	Stop clock mechanical \Digital	13
74.	Steam boiler	06
75.	Stoke's apparatus (2 sets + glass tube-1)	02
76.	Sodium vapour lamp	05
77.	Iron stand (14+16)	30
78.	Scale and telescope	04
79.	Searle's vibration magnetometer -box type	04
80.	Thermometer 110°C	30

81.	Tuning forks	54
82.	Torsional pendulum	05
83.	Thermocouple	06
84.	Temperature coefficient coil	02
85.	Vernier calipers	09
86.	Weight box for physical balance	03
87.	Weight box for Buscuit balance	1 set
88.	Voltmeters (AC/DC)	38
89.	Sonometer	02
90.	Slotted weights ($1/2$ Kg, 1 kg,50 gms)	106 nos
91.	Wire for sonometer	1.5 Kg
92.	Calorimeter – ordinary type	NIL
93.	Fly wheel	2
94.	Burette-graduated	02
95.	Earth inductor	01
96.	Letters and figures fox fixograph board	NIL
97.	Black board sheet	NIL
98.	Atomic structure model	01
99.	Atomic model -plastic in a box	01
100.	Top pan balance (Mechanical type)	01
101.	Spring balance	02
102.	Reading lens	08
103.	Tool -chest box with set	01
104.	Beaker 100 ml/503.20 ml glass /plastic	24
105.	Sequence key	03
106.	Tap key	02
107.	Spirit level	01
108.	Steel rack -open type	02
109.	Thermal conductivity pye apparatus	02
110.	Searie’s extentiometer – young’s modulus apparatus	NIL
111.	Ac operated DC power supply using IC (2,4,6 V, 5V)	11
112.	Pencil jockey	06
113.	Hand tools set	01
114.	Digital multimeter	01
115.	LPG cylinder 12 kg	02
116.	LPG stove	02
117.	Ceiling fan	02
118.	AFO (Function generator)	05
119.	Electronic top pan balance	02
120.	Daniel cell substitute – IC regulated power supply	04
121.	Lechlanche cell substitute IC- regulated power supply	04
122.	Half adder and subtractor kit	03 sets

122.	Cathode Ray oscilloscope (CRO)	02
124.	Transistor characteristic apparatus	05
125.	Aluminium vessel	02
126.	Writing pad	03
127.	Steel table	02
128.	Plastic items (Bucket , Tray)	03
129.	Slides	3 units
130.	Semiconductor pn junction diode characteristic apparatus	03
131.	Single optic level	03
132.	Condensing lens in wooden frame (for newtton's ring expt.)	04
133.	Hammer for sonometer	07
134.	Zener diode – characteristics apparatus 6022 R type	03
135.	Shelf (wooden loft)	02
136.	Plastic boxes (container for resistances, diode)	42
137.	DCC Wire	6 kg
138.	Acetate roll (for OHP)	Nil
139.	Connection board (Extension board)	04
140.	Electronic connection board (Assembled)	24
141.	Soldering Iron	03
142.	Cassettes	18
143.	Speaker with box	05
144.	Devices work bench	01
145.	Dimmer stat	01
146.	Transistor Power Supply	04
147.	Lock	03
148.	Fore mica sheets (Practical instruction written boards)	13
149.	Transistor mounting board	08
150.	Gas lighter	01
151.	IC Bread board	16
152.	Logic gates (Assembled set)	Nil
153.	Logic gates (Assembled)	03
154.	Logic gates (Assembled universal)	03
155.	Logic gates (NAND, NOR)	03
156.	Logic gates (Assembled AND OR NOT)	03
157.	Wooden boxer covered with foremica (Assembled)	13
158.	Frequency meter	Nil
159.	Thermos flask	01
160.	Resistance (Assorted)	255
161.	Power supply (Assembled sets/Company make)	41
162.	Microprocessor without/with interfacing)	07
163.	Speaker with matching transformer	06
164.	Sodium vapour lamp transformer only	03

165.	Interface- D/A Converter	01
166.	Interface A/D Converter	01
167.	Interface Stepper Motor Controller with motor	01
168.	Interface Traffic light Control system	01
169.	Programming Instrument set – Computer	Nil
170.	Magnetic Stirrer with hot plate	02
171.	Water bath Digital Temp controller	1
172.	Ultrasonic Interferometer	1
173.	Abbe refractometer	1
174.	LED Box 8 bit Kinetic make	4
175.	4 bit switch box	4
176.	Autoclave	1
177.	Muffle Furnace	1
178.	Hot Air Oven – memmert model	1
179.	Water Double Distillation Unit	1
180.	Ultrasonic cleaner	1
181.	pH meter	1
182.	Beaker 25 ml	1
183.	Beaker 250ml	12
184.	Beaker 500ml	06
185.	Beaker 100ml	20
186.	Measuring Jar 50 ml	05
187.	Measuring Jar 100 ml	04
188.	Measuring Jar 250 ml	05
189.	Measuring Jar 500 ml	05
190.	Conical flask 100 ml	13
191.	Conical flask 250 ml	24
192.	Conical flask 500 ml	05
193.	Specific gravity bottle 5 ml	1
194.	Specific gravity bottle 10 ml	Nil
195.	Watch glass 2"	Nil
196.	Watch glass 3"	Nil
197.	Watch glass 4"	Nil
198.	Acetone	Nil
199.	Electromagnet	01
200.	Constant current Power supply	01
201.	Digital gauss meter	01
202.	Stand for quinke's tube	01
203.	Ge crystal (P, N type)	1
204.	Constant current source	01
205.	Clock pulse generator	02
206.	Philips Portable CD mini system (Tape Recorder)	01

207.	Laptop Lenovo make	02
208.	HP Laser inkjet Printer M 1005 MFD	01
209.	HP Laser inkjet printer	01
210.	Table top spin coating unit – (specktron make)	01
211.	Infra Red Heater Curer for Coated plates	01
212.	Image & Data analyzer unit	01
213.	On line Heater accessory for substrate	01
214.	AFO	3
215.	XY Coordinate Microscope	2
216.	Stefan's Constant	2
217.	e/M	2
218.	Four Probe	2
219.	5 dail Resistance box	2
220.	DC-Volt meter	8
221.	Ammeter	12
222.	Polarimeter	2
223.	Biprism	3
224.	Plank's Constant	2
225.	Hydrogen discharge tube	1
226.	Thermometer	20
227.	Mill Ammeter	3
228.	D/A converter kit	1
229.	Input switch-Kinetic	6
230.	Output switch-kinetic	6
231.	Phase shift oscillator	1
232.	Wien Bridge Oscillator	1
233.	OHP	1
234.	Polarimeter tube	2

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POOMPUHAR COLLEGE (AUTONOMOUS)

(of the Tamil Nadu Hindu Religious & Charitable Endowments Admn. Dept.)

Melaiyur 609 107, Sirkazhi-TK., Nagai-Dt., Tamil Nadu.

(Accredited with "B+" Grade by NAAC)

Affiliated to Annamalai University

RESEARCH DEPARTMENT OF PHYSICAL EDUCATION



Dr. R. JAYACHANDRAN M.Sc (Psy.), M.Sc (Yoga), M.P.Ed., M.PHIL., Ph.D., PGDSM., PGDSO., PGDY., NET., SLET.,
DIRECTOR OF PHYSICAL EDUCATION

S. NO.	NAME OF THE ARTICLES	TOTAL
1	Ultra sound Machine	1 No.
2	Wax Bath	1 No.
3	Body Balance Board	1 No.
4	Hand Dynamo Meter	1 No.
5	BMI Scale	1 No.
6	Stature Meter	1 No.
7	Stethoscope i30	1 No.
8	First Aid Kit	1 No.
9	Thermometer Digi.	1 No.
10	Hemoglobin Meter	1 No.
11	Eye Chart	1 No.
12	Ice Box	1 No.
13	Infra Red Lamp	1 No.
14	Glucose Meter	1 No.
15	Depth Perception Apparatus	1 No.
16	Tachistoscope	1 No.
17	Bench press	1 No.
18	Squat Stand	1 No.
19	Barbell	3 Nos.
20	Bull worker	1 No.
21	Dumbbells	4 Nos.
22	Weight set	1 No.
23	Exercise cycle	1 No.
24	Weight lifting Platform	3 Nos.
25	Medicine Balls	4 Nos.
26	Table tennis board	1 No.
27	Chess	5 Nos.
28	Carom	1No.
29	Shot put	3 Nos.
30	Relay battons	8 Nos.
31	computer	1 No.
32	Colour Printer	1 No.

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27-06-2024
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POOMPUHAR COLLEGE (AUTONOMOUS)

PG AND RESEARCH DEPT OF ZOOLOGY

LIST OF LAB EQUIPMENTS

S.NO	EQUIPMENTS
01	INCUBATOR
02	HOT AIR OVEN
03	WATER BATH (ELECTRICAL)
04	WATER BATH (ORDINARY)
05	KYMOGRAPH SET
06	CENTRIFUGE
07	PROJECTOR
08	PROJECTOR CHOKE
09	PROJECTOR AUTOMATIC
10	FLIMSTRIPS
11	PROJECTOR SLIDES
12	P ^H METER (PORTABLE ELICO)
13	SOIL P ^H METER (JAPAN MAKE)
14	P ^H METER PEN TYPE
15	REFERENCE – ELECTRODE EL-52
16	ELECTROPHORESIS POWER SUPPLY
17	PAPER ELECTROPHORESIS APPARATUS
18	DISC ELECTROPHORESIS CHAMBER
19	REFRACTROMETER FOR SALINITY
20	TABLE LAMP
21	SLIDE WARMING TABLE N.WC
22	SLIDE WARMING TABLE – CINTEX
23	SPECTROCHEM N.WC
24	WATER STILL N.WC
25	REFRIGERATOR – GODREJ
26	TISSUE HOMOGENISER
27	TURBIDITY METER N.WC
28	OVER HEAD PROJECTOR – C 2000
29	OXYGEN ANALYZER N. WC
30	AIR COMPRESSOR – MOTOR WITH STORAGE TANK
31	ROCKING MICROTOME
32	ROTARY MICROTOME
33	ROTARY MICROTOME KNIFE
34	LOVI BOND COMPARATOR
35	EPIDIASCOPE C.C
36	PRISMATIC BINOCULAR
37	THIN LAYER CHROMATOGRAPHY
38	MICRO PHOTOGRAPHIC EQUIPEMENT

39	TELESCOPIC LENS
40	NATIONAL FLASH GUN FOR CAMERA
41	CLOSE UP LENS
42	CAMERA LUCIDA – MIRROR TYPE
43	CAMERA LUCIDA – PRISM TYPE
44	HAEMOGLOBIN METER
45	VERTICAL AUTOCLAVE
46	INNOCULATION NEEDLE
47	HAEMOMETER
48	HAEMOMETER – ROUND TUBES
49	HAEMOCYTOMETER
50	OCULAR MICROMETER
51	STAGE MICROMETER
52	SIGNAL TIMER
53	STOP WATCH
54	THERMOMETER
55	MAX. MIN. THERMOMETER
56	ANIMAL LABELLING MACHING
57	DEIONISER
58	SCT METER
59	B.P. APPARATUS
60	STETHOSCOPE
61	DEEP FREEZER
62	KAPSON 2.3 CLYNDER
63	TANK- 300 LTS
64	SINGLE BURNER – LPG GAS STOVE
65	PORTABLE GENSET
66	MICROSCOPE COMPOUND
67	BINOCULAR MICROSCOPE
68	DISSECTION MICROSCOPE
69	ENTOMOLOGICAL DISSECTION MICROSCOPE
70	PROJECTION MICROSCOPE
71	ANEMOMETER
72	OBJECTIVES
73	RAIN GAGE
74	HYGRO METER
75	AQUARIUM SIZE 36X18X18
76	AQUARIUM SIZE 24X12X12
77	AQUARIUM AERATOR
78	BARAMETER
79	GAS JAR (CYLINDRICAL)
80	DISSECTION BOARD 6” X 4”
81	DISSECTION BOARD 9” X 6”
82	VIDEO CASSETTE NVE – E 180 PSA
83	PRERECORDED VIDEO CASSETTE

84	ENAMEL TRAYS
85	TRAYS WITH OUT WAX
86	TRAYS WITH WAX 8 X 6"
87	TRAYS 14" X 12 X 2"
88	TRAYS 12" X 10 X 2"
89	HAMMERS
90	BONE CUTTER
91	PESTLE & MORTAR
92	PORCELAIN TILES
93	TESTTUBE HOLDER
94	SPRITLAMP
95	BALANCE (CHEMICAL)
96.	STERCOSCOPIC BINOCULAR MICROSCOPE MAGNUS
97	DISSECTING MICROSCOPE
98.	PH METER PEN TYPE
99.	REVOLUTIONARY MICRO CENTRIFUGE REMI MAKE
100.	ANGLE HEAD REMI MAKE
101.	DIGITAL CAMERA IMPORTED
102	WIDE FIELD SENIOR STUDENT MICROSCOPE
103.	SCREEN WITH TRIPOD STAND
104	DIGITAL CONDUCTIVITY METER
105	DIGITAL COLONY COUNTER "DEEPPVISION MAKE"
106	MICRO CONTROLLER BASED CALORIMETER "ELICO"
107	INCUBATOR "KEMI" MAKE
108	HAEMOCYTOMETER "GERMAN MAKE"
109	TRINOCULAR MICROSCOPE WITH DIGITAL EYE PIECE
110	STUDENT COMPOUND MICROSCOPE
111.	DIGITAL BP APPARATUS
112	SOXHELT EXTRACTOR APP.500ML COMPLETE
113	CLEVENGER APP. COMPLETE SET
114.	MICRO PIPETTE SINGLE 0.5ul – 10ul
115	MICRO PIPETTE SINGLE 10ul -100ul
116.	MICRO PIPETTE SINGLE 100ul- 1000ul
117	GPS GARMINE MAKE
118	MIXI GRINDER
119	PRISMATIC BINOCULAR
120	BURETTE AUTOMATIC 50 ml CAP
121	EGG INCUBATOR 50 EGGS CAP
122	AUTOCLAVE PORTABLE S.S
123	DIGITAL STOP WATCH 1/100 SEC
124	BURETTE STAND WOODEN
125	PAPER CHROMOTOGRAPHY KIT
126	AUTOCLAVE
127	SPECTROPHOTOMETER
128	LAMINAR AIR FLOW
129	MIXER GRAINDER



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DEPARTMENT OF COMPUTER SCIENCE

s.no	Instrument list	No.
1	HP intel core CPU	19
2	HP monitor	19
3	HP keyboard	19
4	HP mouse	19
5	HCL CPU	2
6	HCL monitor	2
7	HCL keyboard	1
8	France CPu	5
9	France monitor	5
10	France keyboard	2
11	France mouse	2
12	Bharath ups	15
13	Numeric ups	7
14	HP laser jet printer	1
15	Canon printer	1

LIST OF EQUIPMENTS IN BOTANY LABORATORY

S. No	NAME OF ARTICLE	NUMBER
01	STUDENT MICROSCOPE	26
02	DISSECTING MICROSCOPE	50
03	GANONG'S RESPIROMETOR	01
04	HOT AIR OVEN	01
05	BINOCULAR MICROSCOPE	01
06	GANONG'S PHOTOMETER	05
07	STOPWATCH	01
08	TRINOCULAR MICROSCOPE	01
09	THERMOMETERS	10