

ST. STEPHEN'S COLLEGE ,PATHANAPURAM
P.D.Fund 2023-24
LIST OF EQUIPMENTS/GLASSWARES/CHEMICALS

EQUIPMENTS				EQUIPMENTS			
SL No	Items	Quantity		SL No	Items	Quantity	No. of Quantity
1	Microprocessor Kit	Intel 8086 processor	1 no	2	Kater's Pendulum	Pendulum having cylinders made of brass and wood	1 no
3	Hot Plate	<ul style="list-style-type: none"> ➤ Stainless Steel boy ➤ Maximum Temperature upto 350OC ➤ Round /Rectangular Shape ➤ Radiant Type burner 	1 no	4	Capillary Tube	Diameter = 0.1mm	2 nos
5	Multimeter	<p>Specifications:</p> <ul style="list-style-type: none"> ➤ Multimeter with high resolution bits, Low Battery prompt, Data Retention, Auto Power off ➤ DC Voltage: 200mV/2V/20V/200V/1000V ➤ AC Voltage: 200mV/2V/20V/200V/750V ➤ DC Current: 200μA/2000μA/20mA/200mA/10A ➤ AC Current: 200μA/2000μA/20mA/2 	1 no	6	Grating	For Spectrometer Experiment (1000 lines/mm)	1 nos

		00mA/10A > Resistance: 200Ω/2KΩ/ 20KΩ/200K Ω/2MΩ/20 MΩ/100MΩ > Capacitance : 2nf/20nf/20 0nf/2uf/20uf /200uf/2mF/ 20mF > Frequency: 200Hz/2kHz /20kHz/200 kHz/2MHz/ 10MHz					
7	Electric Balance	Resolution – 0.001g	1 no	8	Microscope monocular	LED	1 no
9	Ammeter	Current Range: 0.1 A to 1 A	3 nos				

GLASSWARES
GLASSWARES

SL No	Items	Quantity		SL No	Items	Quantity	
1	Beakers	250ml x 10 nos		2	Cuvette for Spectrophotometer	2 nos	
3	Beakers	100ml x 6 nos		4	Measuring Cylinder	100 ml x 2 nos	
5	Standard Flask	500 ml x 3 nos		6	Measuring Cylinder	25 ml x 2 nos	
7	Capillary tube	0.1mm diameter x 2 nos		8	Micropipette 10 to 100 variable	1	
9	Capillary tube	2 boxes		10	Micropipette	1 ml x 1 box	
11	Covering slips	50 boxes		12	Round bottom flask	Interchangeable joint – 5 litre	

CHEMICALS
CHEMICALS

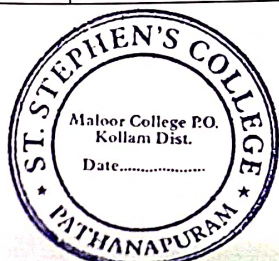
Sl.No	Items	Quantity	Specifications	SL No	Items	Quantity	Specifications
1	Acetocarmine	100 ml x 2 bottles	LR grade	2	Acetone	500 ml x 3 bottles	LR grade
3	Agar agar bacteriological	250 g x 1 bottle	LR grade	4	Aluminium acetate	250 g x 1 bottle	LR grade
5	Ammonium acetate	500 g x 1 bottle	LR grade	6	Ammonium thiocyanate	500 g x 1 bottle	LR grade

7	Aniline	500 ml x 1 bottle	LR grade	8	Anti a b d	10 mlx 1 bottle	LR grade
9	Barium acetate	500 g x 1 bottle	LR grade	10	Barium chloride	500 g x 1 bottle	LR grade
11	Barium nitrate	500 g x 1 bottle	LR grade	12	Barium sulphate	500 g x 1 bottle	LR grade
13	Biphenyl	100 g x 1 bottle	LR grade	14	Butan-1-OL	500ml x 1 bottle	LR grade
15	Calcium carbonate	500 g x 1 bottle	LR grade	16	Calcium chloride	500 gm x 1 bottle	LR grade
17	Calcium nitrate	500 g x 1 bottle	LR grade	18	Calcium sulphate	500 g x 1 bottle	LR grade
19	Carbon tetra chloride	500ml x 1 bottle	LR grade	20	Chloroform	2.5 L x 2 bottles	LR grade
21	Cinnamic acid	500 g x 1 bottle	LR grade	22	Clove oil	100 ml x 1 bottle	LR grade
23	Cobalt nitrate	100 g x 1 bottle	LR grade	24	Conc. Hydrochloric acid	2.5 L x 3 bottles	LR grade
25	Conc. Sulphuric acid	2.5 L x 3 bottles	LR grade	26	Crystal violet	125 ml x 1 bottle	LR grade
27	Dichloromethane	500 ml x 1 bottle	LR grade	28	Diethyl ether	2.5 L x 2 bottles	LR grade
29	Diethyl ether	500ml x 2 bottles	LR grade	30	DNA sodium salt (Hi Media)	5g x 1 bottle	LR grade
31	Eriochrome black T	25 g x 1 bottle	LR grade	32	Ethyl acetate	500 ml x 1 bottle	LR grade
33	Fast green	25 g x 1 bottle	LR grade	34	Ferric alum	500g x 2 bottles	LR grade
35	Ferrion indicator	25 ml x 1 bottle	LR grade	36	Ferrous ammonium sulphate	500 g x 1 bottle	LR grade
37	Formaldehyde	5 L x 1 bottle	LR grade	38	Gram Stains - Kit (Hi Media)	1 box x 1 nos	LR grade
39	Iodine solution	500 ml x 1 bottle	LR grade	40	Lead acetate	500 g x 1 bottle	LR grade
41	Lead nitrate	500 g x 1 bottle	LR grade	42	M sol (methanol)	500 ml x 1 bottle	LR grade
43	Magnesium acetate	500 g x 1 bottle	LR grade	44	Magnesium chloride	500g x 1 bottle	LR grade
45	Magnesium oxalate	500 g x 1 bottle	LR grade	46	Manganese sulphate	500g x 3 bottles	LR grade
47	Manganese acetate	500 g x 1 bottle	LR grade	48	Mercuric chloride	250 g x 1 bottle	LR grade
49	Methyl acetate	500 ml x 1 bottle	LR grade	50	Methyl orange	125ml x 2 bottles	LR grade
51	Nitric Acid	500ml x 2 bottles	LR grade	52	Nitrobenzene	500 ml 3 bottles	LR grade
53	Orthophosphoric acid	500 ml x 1 bottle	LR grade	54	Petroleum ether	2.5 L x 1 bottle	LR grade

55	Phenol	500 ml x 3 bottles	LR grade	56	Phenol reagent	125ml x 2 bottles	LR grade
57	Phenolphthale in reagent	125ml x 2 bottles	LR grade	58	Phosphoric acid	500 ml x 1 bottle	LR grade
59	Ph indicator solution	500 ml x 1 bottle	LR grade	60	Phthalic acid	500 g x 1 bottle	LR grade
61	Potassium dichromate	200gm x 1 bottle	LR grade	62	Potass. Di hydrg. Ortho phosphate	500 gm x 1 bottle	LR grade
63	Potassium iodide	100 g x 4 bottles	LR grade	64	Potassium oxalate monohydrate	500 g x 1 bottle	LR grade
65	Propan 1ol	500 ml x 1 bottle	LR grade	66	Safranin stain solution	125 ml x 6 bottles	LR grade
67	Silver nitrate	10 g x 1 bottle	LR grade	68	Silver nitrate solution	125 ml x 1 bottle	LR grade
69	Silver nitrate solution	100 ml x 1 bottle	LR grade	70	Sodium citrate 500 gm	500 gm x 1 bottle	LR grade
71	Sodium sulphate	500 gm x 1 bottle	LR grade	72	Sodium thiosulphate	500 gm x 1 bottle	LR grade
73	Stannous chloride	250 g x 1 bottle	LR grade	74	Stannous chloride	100 gm x 1 bottle	LR grade
75	Tert – butyl alcohol	500 ml x 1 bottle	LR grade	76	Toluene Rectified	500 ml x 2 bottles	LR grade
77	Triethanolamine	500 ml x 1 bottle	LR grade	78	Wright stain	125 ml x 1 bottle	LR grade
79	Xylene rectified	2.5 L x 1 bottle	LR grade	80	Zinc nitrate	500 g x 1 bottle	LR grade
81	Zinc sulphate	500 g x 1 bottle	LR grade				

NOTE: Preferred Brand of Chemicals - NICE

OTHER CONSUMABLES				OTHER CONSUMABLES			
SL No	Items	Specifications	Quantity	SL No	Items	Quantity	
1	Whatman No. 41 (90mm)	90mm	2 boxes	2	Whatman no 1 Filter Paper (circle) 120mm	120mm	2 boxes
3	Ordinary filter paper	50 sheets	50 sheets	4	Plastic fillers	20 nos	
5	Capillary tube		2 boxes	6	Measuring cylinder (Plastic)	100 ml x 2 nos	
7	Connection wire (Roll)	Cotton thread wounded	1 roll	8	Heating mantle	5 litre sizex 1 no	
9	Resistance Wire	Alloy: Constantan	1roll	10	Rubber bulb for pipette	5 nos	
11	Battery	9V- Non-Rechargeable	Pack of 10				



[Handwritten Signature]

Principal In-charge
St. Stephen's College
Pathanapuram