

Chemicals

Sl.No.	Chemical Name	Unit	Quantity Required	Specifications	Required By
1	1- Naphthol	500g	1	NICE	Chemistry
2	1- propanol	500 ml	1	NICE	Chemistry
3	Acetic Acid glacial	500 ml	1	NICE	Zoology
4	Acetocarmine	100 ml	1	NICE	Botany
5	Acetone	500 ml	6	NICE	Chemistry(3) + Zoology (1)+ Botany (2)
6	Acetonitrile	500 ml	1	NICE	Zoology
7	Acetophenone	500 ml	1	NICE	Chemistry
8	Activated Charcoal	250g	1	NICE	Chemistry
9	Agar agar bacteriological	250 gm	1	NICE	Botany
10	Ammonia	2.5 L	1	NICE	Chemistry
11	Ammonia buffer solution	500 ml	1	NICE	Chemistry
12	Ammonium chloride	500 ml	1	NICE	Zoology
13	Ammonium Chloride	500 gm	1	NICE	Botany
14	Ammonium hydroxide	500 ml	2	NICE	Zoology(1) + Botany(1)
15	Ammonium molybdate	100 gm	1	NICE	Zoology
16	Aniline	500 ml	1	NICE	Chemistry
17	Anti Sera a b d	10 ml	1	NICE	Zoology
18	Barium phosphate	250g	1	NICE	Chemistry
19	Benedicts Reagent	500 ml	1	NICE	Zoology
20	Benzaldehyde	500 ml	1	NICE	Chemistry
21	Benzene	500 ml	1	NICE	Chemistry
22	Borsche's Reagent	125 ml	1	NICE	Chemistry
23	Brucine sulphanilic acid	125 ml	1	NICE	Zoology
24	Brucine sulphate	10g	1	NICE	Chemistry
25	Buffer capsule (pH 4 & 7)	(10 Caps)	10	NICE	Chemistry
26	Butanol	500 ml	1	NICE	Zoology

27	Calcium chloride	500g	1	NICE	Chemistry
28	Calcium hydroxide	500 g	1	NICE	Chemistry
29	Chloroform	500 ml	3	NICE	Chemistry(1) + Botany(2)
30	Clove oil	100 ml	1	NICE	Botany
31	Diamine hydrochloride	100 gm	1	NICE	Zoology
32	Diethyl ether	500 ml	2	NICE	Chemistry
33	Diphenyl carbazide	10g	1	NICE	Chemistry
34	DPX	250 ml	2	NICE	Botany
35	EDTA	300 gm	1	NICE	Zoology
36	Erichrome black T	25gm	3	NICE	Zoology (1) + Chemistry(1) + Botany(1)
37	Ether	500 ml	1	NICE	Zoology
38	Ethyl benzoate	500 ml	1	NICE	Chemistry
39	Ferric alum	500g	1	NICE	Chemistry
40	Ferroun indicator	25 ml	1	NICE	Zoology
41	Ferrous ammonium sulphate	500g	2	NICE	Chemistry
42	Formaldehyde solution	5 L	1	NICE	Zoology
43	Formaldehyde solution (37 - 41% w/v) (Formalin)	500 ml	3	NICE	Botany
44	Glacial Acetic acid	2.5 L	1	NICE	Chemistry
45	Glycerine (Glycerol) - 98%	500 ml	1	NICE	Botany
46	Grams iodine	125 ml	1	NICE	Zoology
47	Hexane	2.5 ml	1	NICE	Botany
48	Hydrochloric acid	2L	1	NICE	Zoology
49	Hydrochloric Acid	500 ml	2	NICE	Botany
50	Hydrogen peroxide (30%)	500 ml	1	NICE	Chemistry
51	Isopropyl Alcohol	500 ml	2	NICE	Botany
52	Lampsolv	2 L	1	NICE	Zoology
53	Lead acetate	500g	1	NICE	Chemistry
54	Leishman's stain	250 ml	1	NICE	Zoology
55	Lithium carbonate	250 g	1	NICE	Zoology
56	M sol (Methnol)	500 ml	1	NICE	Zoology

57	Manganese acetate	500g	1	NICE	Chemistry
58	Manganous sulphate	1000 gm	1	NICE	Zoology
59	Manganous sulphate Monohydrate	500g	1	NICE	Chemistry
60	Magnesium Chloride	500 gm	1	NICE	Zoology
61	Metallic Sodium	250g	1	NICE	Chemistry
62	Methanol	500 ml	1	NICE	Chemistry
63	Methyl Orange	125 ml	4	NICE	Zoology (2) + Botany(1) + Chemistry(1)
64	Methylene blue	125 ml	1	NICE	Zoology
65	Murexide	5 g	1	NICE	Chemistry
66	N- phenyl anthranillic acid	25 g	1	NICE	Chemistry
67	N-1 Naphthyl ethylene diamine dihydrochloride	5 gm	1	NICE	Zoology
68	Naphthalene	250 g	1	NICE	Chemistry
69	n-Hexane	2.5 L	1	NICE	Chemistry
70	Ninhydrin solution	500 ml	1	NICE	Zoology
71	Nitric Acid	500 ml	1	NICE	Botany
72	Nitrobenzene	500 ml	1	NICE	Chemistry
73	Orthophosphoric acid - 88% (Phosphoric acid)	500ml	1	NICE	Botany
74	Oxalic acid	500 gm	1	NICE	Zoology
75	Paraffin wax with ceresin (Solid)	500 gm	1	NICE	Botany
76	Paraffin Wax-block form	500 g	1	NICE	Zoology
77	Pentane	500ml	1	NICE	Botany
78	Periodic acid	25 g	1	NICE	Zoology
79	Petroleum ether 60 - 80C	500 ml	2	NICE	Botany
80	pH Buffer tablet 4	1 bottle	1	NICE	Zoology
81	pH Buffer tablet 7	1 bottle	1	NICE	Zoology
82	pH Buffer tablet 9.2	1 bottle	1	NICE	Zoology
83	pH indicator solution	1 bottle	1	NICE	Zoology

84	pH Paper	3 Strip	3	NICE	Zoology
85	Phenol	2 x 500 ml	2	NICE	Chemistry
86	Phenol reagent (Folin & ciocalteu's)	125 ml	2	NICE	Botany
87	Phenophthalein indicator	125 ml	4	NICE	Zoology (2) + Botany(1) + Chemistry(1)
88	Phenyl hydrazine hydrochloride	100g	1	NICE	Chemistry
89	Picric acid	125 ml	1	NICE	Botany
90	Potassium Chromate	500 gm	1	NICE	Botany
91	Potassium dihydrogen orthophosphate	500 gm	1	NICE	Botany
92	Potassium hydroxide	1000 gm	1	NICE	Zoology
93	Potassium iodide	200 g	3	NICE	Zoology (1) + Botany(1)+ Chemistry(1)
94	Potassium nitrate	5gm	1	NICE	Botany
95	R B C Diluting Fluid (Turk's)	125 ml	1	NICE	Zoology
96	Safranine stain solution	125 ml	1	NICE	Botany
97	Schiff's reagent	125 ml	1	NICE	Chemistry
98	Silica gel 'G' for TLC	500 gm	1	NICE	Botany
99	Silica gel 60 -120 mesh for column chromatography	500 gm	1	NICE	Botany
100	Silica gel G for TLC	1 x 250g	1	NICE	Chemistry
101	Silver nitrate powder	10 g	1	NICE	Zoology
102	Silver nitrate solution	125 ml	1	NICE	Chemistry
103	Sodium dihydrogen phosphate	500 g	1	NICE	Zoology
104	Sodium hydroxide	500 gm	1	NICE	Zoology
105	Sodium acetate	500g	1	NICE	Chemistry
106	Sodium bicarbonate	500g	3	NICE	Chemistry(2) + Zoology (1)

107	Sodium chloride	500g	3	NICE	Chemistry(1) + Zoology (2)
108	sodium hydroxide flakes 96%	500 gm	1	NICE	Botany
109	Sodium hydroxide pellets	500g	1	NICE	Chemistry
110	Sodium nitrate	500g	1	NICE	Chemistry
111	Sodium thiosulphate	500 gm	2	NICE	Zoology
112	Sodium thiosulphate pentahydrate	500g	1	NICE	Chemistry
113	Stannous chloride	100 gm	1	NICE	Zoology
114	Succinic acid	250 g	1	NICE	Chemistry
115	Sulphanilamide	250 gm	3	NICE	Zoology (1) + Chemistry(1)+ Botany(1)
116	Sulphanilic acid	100 g	2	NICE	Chemistry(1) + Botany(1)
117	Sulphuric acid	2.5 L	2	NICE	Zoology (1) + Chemistry(1)
118	Sulphuric acid	500 ml	2	NICE	Botany
119	Surgical spirit I P	100ml	2		Zoology
120	tert-Butyl alcohol - 99%	500 ml	2	NICE	Botany
121	Toluene Rectified	500 ml	1	NICE	Chemistry
122	Urea	500g	1	NICE	Chemistry
123	W B C Diluting Fluid (Turk's)	125 ml	1	NICE	Zoology
124	Wright stain	125 ml	1	NICE	Zoology
125	Xylene Rectified 99%	500 ml	4	NICE	Zoology (2)+ Botany(2)
126	Zinc acetate	500g	1	NICE	Chemistry

Equipment

Sl.No.	Name of the Equipment	Quantity	Specification	Required By
1	Digital storage Oscilloscope	1	Channels-2, Bandwidth-100MHz, Storage depth-240Kbit, Timebase-50S/Div, Vertical Sensitivity-50mV/div	Physics
2	Digital Oscilloscope Multimeter DDS Generator 3 in 1.	1	2 Channel, 10mhz Bandwidth, 50msa/s Sample Rate, 10000 Counts, 【Oscilloscope mode】 Portable 2 channel oscilloscope, 10mhz bandwidth, 50msa/s sampling rate, 32kb recording depth, automatic measuring function, maximum voltage 400v, vertical sensitivity 200mv/div-10v/div, support for storage and export of waveform images. 【Multimeter Mode】 4 digits 10000 counts. AC voltage: 0-750V, DC voltage: 0-999.9 V, DC/AC current: 0-9.999 A, Resistance: 0-99.99 mΩ, Capacitance: 0 99.99 mF, Continuity measurement. Multifunctional meter for professionals, schools and hobbyists 【Signal Generator】 The maximum output frequency of the waveform can reach 2mhz and a step of 1hz, and can emit seven waveforms, including sine, square, triangle, full, middle, noise and dc 【Save Function】 One click save, sort function. you can upload the saved image by connecting to pc via type-c. you can easily compare waveforms by displaying the reference waveform and measured waveform on the same screen 【Excellent Design】 The oscilloscope adopts FPGA+MCU+ADC hardware architecture, built-in high-voltage protection module, adopts 2.8 inch lcd display, built-in 3000mah lithium-ion battery, standby time up to 6h, Type-C interface supports 5V/1A charging.	Physics
3	Silica Crucible	2	High Temperature Resistant, Laboratory Heating & Ashing Vessel, Heat Resistant Capacity of 1500 Degree,	Physics
4	Pulse oximeter	1	Small and portable, size 2.4x 1.4x 1.2 inches, fingertip, adjustable display brightness, automatic switch off, low battery indicator	Physics
5	BP monitoring Machine	1	LCD, sphygmomanometer, cotton-cuff D ring, 3 AA batteries, Stethoscope, buds, weight 900gms	Physics
6	Non-contact thermometer	2	Fever alarm, memory, auto-off, LCD, rechargeable battery,	Physics

Glasswares

Sl.No.	Item name	Unit	Quantity Required	Specifications	Required By
1	Capillary tube (for melting point determination)	–	3 Boxes	Inner Diameter-1mm	Chemistry
2	Fusion tube	–	1 Packet	–	Chemistry
3	Silica Crucible Lid only	125 ml	3 No	Infusil	Chemistry
4	BOD Bottles	125 ml	4	Borosil	Chemistry
5	Beaker	250 ml	3	Borosil	Zoology
6	Conical Flask	250 ml	6	Borosil	Zoology
7	Glass measuring cylinder	100 ml	1	Borosil	Zoology
8	Pipette pump		2		Zoology
9	Pipette bulb Rubber		10		Zoology
10	Dropper	1 pkt	1 pkt		Zoology
11	Coverslip	22 mmX 10 Gms	10	Square (Blue Star No.1 English glass)	Zoology
12	Conical Flask	100 ml	5		Botany
13	Cover slip square	18 x 18	I Pkt	Square	Botany
14	Coverslip round	18 x 18	I Pkt	Round	Botany
15	Specimen bottle (Glass)	180 ml	10		Botany

CONSUMABLES					
Sl.No.	Item name	Unit	Quantity Required	Specifications	Required By
1	Chromatography paper	3 sheet	3		Zoology
2	Whatman filter paper No.1	1 Pkt	1 Pkt	Supertech 110 mm diameter	Zoology
3	Whatman No. 41 filter paper	1 box	1	90mm Diameter	Chemistry
4	Whatman No. 1 filter paper	20 sheets	20 sheets	(46x57cms Sheet)	Chemistry
5	Ordinary filter paper		50 Sheets	Sheets	Chemistry
6	Blotting Paper	1 Roll	1 Roll		Botany
7	Whatman Grade-1 (1001-125) 125 mm Circle Pack of 100 sheets	One Box (Pack of 100 sheets)	One Box (Pack of 100 sheets)	125 mm Circle Qualitative Filter Paper Sheet	Botany

PLASTICWARES					
Sl.No.	Item name	Unit	Quantity Required	Specifications	Required By
1	Centrifuge Tubes, with Screw Cap	15 mL	2 Pkt	–	Botany
2	Measuring cylinder 250 ml (Plastic)	250 ml	1	–	Botany