



Department of CHEMISTRY
List of Chemicals and Apparatus

a) Chemicals

Sl. No.	Name of Chemical	Specification	Quantity
1	Hexamethylene diamine	Merck/Loba	500g x1
2	Adipic acid	Merck/Loba	500g x1
3	Urea	Merck/Loba	500g x1
4	Borax	Merck/Loba	500g x1
5	Sodium lauryl sulphate	Merck/Loba	250g x1
6	Iodine	Merck/Loba	100g x1
7	Glucose	Merck/Loba	500g x1
8	Potassium oxalate	Merck/Loba	500g x1
9	Petroleum Ether	Merck/Loba	500 ml x1
10	Potassium hydroxide	Merck/Loba	500g x1
11	Sodium acetate	Merck/Loba	500g x1
12	Ethylene diamine monohydrate	Merck/Loba	500g x1
13	Potassium hydrogen phosphate (K_2HPO_4)	Merck/Loba	500g x1
14	Potassium iodide	Merck/Loba	500g x1
15	Emplura Water	Merck	5 litx1
16	Methylene Blue	SRL/Merck/Loba	25g x1
17	Fluorescein	Merck/Loba	25g x1
18	Buffer capsule (pH 4)	Merck	1 pkt.
19	Isopropyl alcohol	Merck/Loba	500 ml x2
20	Hydrogen peroxide	Merck/Loba	500 ml x1
21	Glycerol	Merck/Loba	500 ml x2
22	Nitrocellulose		500g x1
23	Zinc phenol sulphonate		100g x1
24	SLEs (surfactant)		500 ml x1

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25	Salonite MS 80		100ml x1
25	Stearyl konium hectorite		100g x1
26	Ammonium thiocyanate	Merck/Loba	500gmx2
27	Potassium ferricyanide	Merck/Loba	500gmx1
28	Ammonium Ferrous sulphate (Mohr's salt)	Merck	500gmx2
29	Formaldehyde	Merck/Loba	500mlx1
30	Acetone	Merck/Loba	500mlx1
31	4-Amino phenol	Merck/Loba	500gmx1
32	Benzyl alcohol	Merck/Loba	500mlx1
33	Bromophenol	Merck/Loba	500gmx1
34	Chlorophenol	Merck/Loba	500gmx1
35	Denise reagent	Merck/Loba	100mlx2
36	Diphenyl aniline	Merck/Loba	500gmx1
37	Ethyl acetate	Merck/Loba	500mlx1
38	Maleic acid	Merck/Loba	500gmx1
39	Methyl acetate	Merck/Loba	500mlx1
40	m-nitro toluene	Merck/Loba	500gmx1
41	p-nitro phenol	Merck/Loba	500gmx1
42	Resorcinol	Merck/Loba	500gmx1
43	Rectified spirit		500mlx6
44	Sodium bisulphate	Merck/Loba	500gmx1
45	Ferric chloride	Merck/Loba	500gmx2
46	Magnesium sulphate	Merck/Loba	500gmx1

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b) Apparatus

Sl. No.	Name of apparatus	Specification	Quantity
1	TLC aluminium sheet, Silica gel	Sigma-Aldrich	1 pkt.
2	Bunsen Burner	Good Quality	24 pcs
3	Pipette Stand	Good Quality	1 pcs
4	Condenser Clamp	Good Quality	6 pcs
5	Chromatography column	Borosil	2 pcs
6	Test tube	Good Quality	6 gross
7	Fusion tube	Good Quality	3 gross
8	Dropper (glass)	Good Quality	12 pcs
9	Pinchcock for stalagmometer (screw type)	Good Quality	12 pcs
10	Rubber tube for burner	Good Quality	20 met.
11	Graduating pipette (10 ml)	Borosil	6 pcs
12	Graduating pipette (25 ml)	Borosil	3 pcs
13	Gooch Crucible (G 4)	Borosil	3 pcs
14	Dropping Bottle (Plastic) 100 ml	Good Quality	12 pcs
15	Whatman no. 41 filter paper	Whatman	1 pkt.
16	Platinum wire	Good Quality	6pcs
17	Ordinary filter paper (dia 110mm)	Good Quality	3pkt


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Following Instruments are necessary for the Department of Chemistry.

Sl. No.	Name of Instruments	Specification	Nos.
1	pH meter with electrode	Systronics (802)	01
2	Potentiometer with electrodes	Systronics (318)	01
3	Colorimeter	Systronics (112)	01
4	Digital Balance	Welsar (0.001g accuracy/250g capacity)	01
5	Silver Electrode	Systronics	01
6	Conductivity Cell	Systronics	02
7	pH electrode	Systronics	02
8	Electrodes of potentiometer	Systronics	01
9	Digital Balance	Welsar (0.1g accuracy)	01


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