

CHEMICALS FOR CHEMISTRY

LABORATORY B-TECH

(MARDAN & SARDAR GARHI)

LIST OF CHEMICALS FOR CHEMISTRY LABORATORY B-TECH (MARDAN & SARDAR GARHI)

S.No.	Name of Items	Qty
1	Acetone	5 Ltr
2	Acid Acetic	5 Ltr
3	Acid Hydrochloric	5 Ltr
4	Acid Sulphuric	5 Ltr
5	Acid Nitric	5 Ltr
6	Acid Sulphauric	40 lb
7	Acid Sulphauric (Commercial)	40 lb
8	Acid Oxalic	100 lb
9	Acid Picric	2 kg
10	Anillne	2 kg
11	Ammonium Carborate	2 kg
12	Ammonium Chloride	2 kg
13	Ammonium Melydate	2 lb
14	Ammonium Oxalate	2 lb
15	Ammonium Sulphate	2 lb
16	Ammonium Thick Cyanate	2 kg
16	Ammonium Phosphate	2kg
17	Ammonium Acetate	2 kg
19	Ammonium Sulphate	2 lb
20	Ammonium Chloride	2 lb
21	Acetic Phenone	2 lb
22	Acetic Aldehde	2 lb
23	Acid Cinnamic	2 lb
24	Antimeny Chloride	2 lb
25	Alcohol Absolute	2 kg
26	Barium Chloride	2 kg
27	Barium Nitrate	4 Ltr
28	Benzene	2 Ltr
29	Benzene Aldehyde	4 kg
30	Borax	2 lb
31	Bromine	2 lb
32	Bismuth Choride	2 lb

33	Bismuth Nitrate	2 lb
34	Cadmium Bromide	2 lb
35	Cadmium Chloride	2 lb
37	Calcium Acetate	2 lb
38	Calcium Carbonate	2 lb
39	Calcium Chloride Anhydrate	2 lb
41	Calcium Sulphate Anhydrate	2 lb
42	Calcium Sulphate	2 lb
44	Chloroform	10 ltr
46	Cobalt chloride	02 lb
47	Cobalt Sulphate	02 lb
48	Cobalt Nitrate	01 lb
49	Copper Carbonate	2 lb
50	Copper Chloride	2 lb
51	Copper Nitrate	4lb
52	Copper Sulphate	4 lb
54	Chemical Lable books	4 dozen
55	Dimethyl Amine	20 kg
58	2.4 Dintro Phanyl Hydrazine	200 gm
59	Ferric Chloride	4 lb
60	Ferrous Sulphate	2 kg
61	Ferrous Ammonium Salphate	2 kg
62	Ferrous Sulphate	10 kg
63	Doctrese	2 lb
65	Hydroxyl Amine Hydro Chloride	20 gm
66	Iodine	2 lb
67	Lead Acctate	2 kg
68	Lead Nitrate	2 kg
70	Magnesium Metal	2 lb
71	Magnesium Nitrate	2 kg
72	Magnesium Sulphate	2 kg
73	Magnesium Iodide	2 kg
74	Magnesium Chloride	2 kg
75	Mercuric Chloride	500 gm
76	Methyl orange	2 kg
77	Methyl Red	2 kg
78	Nickel Nitrate	2 kg
79	Nickel Chloride	2kg
80	Nickel Sulphate	20 kg
81	Phenolphthalein Liquid	500 gm
82	Phenolphthalein	500 gm

84	Potassium Bromide	2 lb
85	Potassium Chloride	2 lb
86	Potassium Chromate	2 lb
87	Potassium Ferricyanide	2 lb
88	Potassium Ferro cyanide	2 lb
89	Potassium iodide	2 lb
90	Potassium Nitrate	2 lb
91	Potassium oxalate	2 lb
92	Potassium Thiocyanate	2 lb
93	Potassium Sulphate	2 kg
94	Potassium Permanganate	2 ltr
96	Phenyl Hydrazine Hydrochloride	2 lb
98	Methylated Spirit	2 lb
99	Silver Nitrate	2 kg
100	Sodium Carbonate	2lb
101	Sodium metal	2 lb
102	Sodium Chloride	10 kg
103	Sodium Hydroxide	02 lb
104	Sodium Nitrate	2 lb
105	Sodium Bromide	2 lb
106	Sodium Nitropruside	2 lb
107	Sodium oxalate	2 lb
108	Sodium Nitride	2 lb
109	Sodium Bicarbonate	2 lb
110	Sodium cobalt nitride	2 lb
111	Strontium Nitrate	2 lb
113	Strontium Chloride	2 lb
114	Sulphur	2 lb
116	Urea	2lb
117	Zinc Carbonate	2 lb
118	Zinc Chloride	2 lb
120	Zinc metal	2 lb
121	Zinc Sulphate	2 lb
122	Sodium Hydroxide Phosphate	2 lb

**LIST OF GLASSWARE FOR CHEMISTRY LABORATORY (MARDAN & SARDAR
GARHI)**

S.No.	Name of Items	Qty
2	Beaker 50 ml (Pyrax	48 Nos
3	Beaker 250 ml (Pyrax	48 Nos
4	Beaker 500 ml (pyrax	48 Nos
5	Beaker 1000 ml (Pyrax)	24Nos
6	Wash bottle (plastic)	24 Nos
9	Bottle reagent 500ml (narrow mouth)	32 doz
10	Bottle reagent 250 ml (narrow mouth)	48 doz
11	Bottle Reagent 500 ml (wide mouth)	12 doz
12	Bottle Reagent 3 ltr	48 Nos
13	Burette 50 ml	24 Nos
15	Measuring cylinder 100 ml	12Nos
16	Measuring cylinder 10 ml	12 Nos
16	Crucible Porcelain with lid	48 Nos
17	Cork rubber assorted	12 doz
18	Fusion tube	48 gross
19	Capillary tube	8 lb
20	Centered Glass Crucible lid	48 Nos
21	Boro silicate (Glass)	48 Nos
22	Dish evaporating (Porcelain 75	30 Nos
23	Flask Round bottom 500 ml	48 Nos
24	Flask Flat Bottom 3 ltr,	12 Nos
25	Flask Conical 100 ml	48 Nos
26	Flask Filtration 500 ml	48 Nos
33	Funnel Buckner	48 Nos
34	Funnel separating 250 ml	48 Nos
35	Funnel	48 Nos
36	Filter paper	12 pkt
37	Glass rods	48 Nos
38	Kips 's apparatus 1000 ml Litmus paper	8 Nos
39	Litmus paper blue and Red	48 pkt
40	Pipette 10 ml	48 Nos

41	Pestle & Mortar glass	4 Nos
42	Tiles Glazed white	48 Nos
43	Test tube hand	8 gross
44	Trough Glass	48 Nos
45	Burette.	48 Nos
47	Suction pump glass	48 Nos
48	Watch glass	48 Nos
50	Ostwald Viscometer	48 Nos
51	Stalagmometer	48 Nos

LIST OF EQUIPMENT FOR CHEMICAL LAB for DAE (MARDAN & SARDAR GARHI)

S.No.	Name of Items	Qty
1.	Sulfuric Acid	10 ltr
2.	Nitric Acid	10 ltr
3.	Hydrochloric Acid	10 ltr
4.	Sodium Hydroxide (Pellets)	4 kg
5.	Ammonia liquor	5 ltr
6.	Carbon Disulfide	4 kg
7.	Silver Nitrate	500 gm
8.	Ammonium carbonate	1000 gm
9.	Sodium Carbonate	1000 gm
10.	Sodium Nitrate	1000 gm
11.	Sodium bicarbonate	1000 gm
12.	Potassium carbonate	1000 gm
13.	Potassium chloride	1000 gm
14.	Potassium chromate	1000 gm
15.	Potassium Dichromate	1000 gm
16.	Potassium chlorate	1000 gm
17.	Ammonium sulfide	1000 gm
18.	Ammonium sulfate	1000 gm

19.	Ammonium sulphocyanate	1000 gm
20.	Ammonium Molybdate	1000 gm
21.	Bismuth Nitrate	1000 gm
22.	Bismuth Chloride	1000 gm
23.	Cadmium Nitrate	1000 gm
24.	Cadmium chloride	1000 gm
25.	Lead Nitrate	1000 gm
26.	Lead Carbonate	1000 gm
27.	Lead Acetate	1000 gm
28.	Sodium Nitroprusside	1000 gm
29.	Sodium sulfite	1000 gm
30.	Sodium sulfate	1000 gm
31.	Sodium Thiosulfate	1000 gm
32.	Sodium Chloride	1000 gm
33.	Sodium chromate	1000 gm
34.	Acetic acid (glacial)	5 ltr
35.	Oxalic Acid	2 kg
36.	Maleic Acid	2 kg
37.	Succinic Acid	2 kg
38.	Salicylic acid	5 ltr
39.	Ethylene glycol	2 kg
40.	Potassium permanganate	1000 gm
41.	Glycine	1000 gm
42.	Acetone	5tr
43.	Chloroform	5 ltr
44.	Carbon Tetrachloride	5 ltr
45.	Benzene	5 ltr
46.	Toluene	5 ltr
47.	Xylene	5ltr
48.	Acetaldehyde	5 ltr
49.	Benzaldehyde	5 ltr
50.	Cyclohexane	5 ltr
51.	Bleaching powder	2 kg
52.	Butyl acetate	5 ltr

53.	Acetone	5 ltr
54.	Methyl ethyl ketone	5 ltr
55.	Copper sulfate	2 kg
56.	Copper Chloride	2 kg
57.	Zinc Chloride	2 kg
58.	Zinc Sulfate	2 kg
59.	Zinc Carbonate	2 kg
60.	Zinc Granules	2 kg
61.	Urea	2 kg
62.	Magnesium sulfate	2 kg
63.	Magnesium Chloride	2 kg
64.	Magnesium Nitrate	2 kg
65.	Magnesium Oxide	2 kg
66.	Magnesium sulfate	2 kg
67.	Magnesium chloride	2 kg
68.	Cobalt chloride	2 kg
69.	Cobalt Nitrate	2 kg
70.	Cobalt carbonate	2 kg
71.	Nickel sulfate	2 kg
72.	Nickel nitrate	2 kg
73.	Stannous chloride	2 kg
74.	Stannic chloride	2 kg
75.	Phenolphthalein	500 gm
76.	Methyl orange	2 pack
77.	Methyl red	2 pack
78.	Congo red	2 pack
79.	Aluminum Nitrate	2 kg
80.	Aluminum sulfate	2 kg
81.	Ethyl alcohol absolute	5 ltr
82.	Methyl alcohol	5 ltr
83.	Sodium Benzoate	2 kg
84.	Sodium phosphate	2 kg
85.	Sodium tripolyphosphate	kg
86.	Sodium silicate	2 kg
87.	Sulfuric Acid	10 ltr
88.	Chalk	2 pack

89.	Talc	2 pack
90.	Zinc Oxide	2 kg
91.	Boric Acid	1000 g
92.	Sodium Tetra Borate (Borax)	1000 gm
93.	Stearic Acid	1000gm
94.	Iodine crystals	1000 gm
95.	Potassium Iodate	1000 gm
96.	Starch	1000 gm
97.	Potassium Ferricyanide	1000gm
98.	Buffer solution pH-7	2 ltr
99.	Buffer solution pH-4	2 ltr
100.	Buffer solution pH-9/-10	2ltr
101.	Potassium tartrate	1000 gm
102.	Citric acid	1000 gm

LIST OF EQUIPMENT FOR CHEMISTRY LAB (MARDAN & SARDAR GARHI)

S.No.	Name of Items	Qty
1.	Beaker 100ml.	100 Nos
2.	Beaker 250ml.	100 Nos
3.	Dish, Dia 8 cm	50 Nos
4.	Electrolyzer 220V, 50HS with platinum electrode and DC power supply.	04 Nos
5.	File Triangular length: 15cm,	48 Nos
6.	Filter paper (whatman No.1)	200 sheets
7.	Glass funnel dia: 7.5 cm	50 Nos
8.	Glass tube: Soda lime length: 150cm Ex-dia:3-4 mm	50 Nos
9.	Glass rods: (Stirring) Length: 20 cm, dia: 6-7 mm	50 Nos
10.	Pipette Graduated: 10ml,	100 Nos
11.	Pipette 15ml.	100 Nos
12.	Reagent bottles 250ml narrow neck,	100doz
13.	Stand Tripiped (cast iron) Height: 20cm, with circular top,	100 Nos
14.	Spirit lamp. Metallic medium size.	100Nos
15.	Test Tubes: Dimension: 150x12mm, Pyroz.	600 Nos
16.	Test tube stand (wooden)	50 Nos
17.	Tongs (Black ended steel) with Bow length: 20cms, /.	50 Nos
18.	Wash Bottle (Polythene) 0.250ml,	40 Nos
19.	Wire gauze,	100 Nos
20.	Volumetric flask. 100ml,	24 Nos

21.	Volumetric flask. 250ml,	24 Nos
22.	Reagent bottle shelves(wooden) specimen sketch attached. . Sheesham wood: Length: 70cm, Width: 23 cm, Height: 44 cm	20 Nos
23.	Distillation plant: Stainless steel, 220 V, 300V, capacity: 1 gallon. .	04 Nos
24.	Periodic chart,	04 Nos
25.	Copper sulphate (anhydrous).	1000 gm
26.	Potassium Nitrate	1000 gm
27.	Ferrous sulphate	1000 gm
28.	Calcium sulphate.	1000 gm
29.	Soda Ash.	1000 gm
30.	Sodium Bicarbonate.	1000 gm
31.	Spirit Methylated.	5 ltr
32.	Iron Stand with clamp.	100 Nos
33.	Wooden Stand. .	100 Nos