

**Vallal P.T. Lee CHENGALVARAYA NAICKER COLLEGE OF ARTS AND SCIENCE
No.5/1, General Collins Road, Choolai, Chennai-112.**

UNIVERSITY OF MADRAS: B.Sc. DEGREE COURSE IN CHEMISTRY & ALLIED CHEMISTRY SYLLABUS WITH EFFECT FROM 2020-2021

Chemistry Laboratory - Consumables Items

DSC03 & CSAP1 : CORE-II: CORE PRACTICAL – I (List of equipment for Major Chemistry & Allied Lab for First Year only)

S.No	Name of the Chemicals	Quantity Required			
1	Acetic acid - 500 ml	1			
2	Acetoophenone 250 gm	1			
3	Aluminium sulphate - 500 gm	1			
4	Ammonia (liquid)- 1 litre	2			
5	Ammonium Chloride - 500 gm	1			
6	Ammonium sulphate - 500 gm	1			
7	Aniline - 500 ml	1			
8	Barfoed reagent 250 ml	1			
9	Benzaldehyde - 500 ml	1			
10	Benzoic acid - 500 gm	2			
11	Borax - 250 gm	1			
12	Borsche's Reagent 250 gm	1			
13	Bromine water -500 ml	1			
14	Calcium carbonate - AR Grade 500 gm	2			
15	Cinnamic acid - 250 gm	1			
16	Copper sulphate - 500 gm	1			

17	Diphenylamine 250 gms	1			
18	Disodium hydrogen phosphate AR grade - 500 gm	1			
19	EDTA (salt) AR Grade - 500 gm	2			
20	Eriochrome Black T - 25 gm	2			
21	Ethyl alcohol - 500 ml	2			
22	Fehling's reagent - 250 ml	2			
23	Ferric Chloride - 500 gm	1			
24	Ferrous Ammonium sulphate AR - 500 gm	2			
25	Ferrous sulphate AR - 500 gm	2			
26	Glucose - 500 gm	1			
27	Hydrochloric acid - 500 ml	2			
28	Ignition(fusion) tube pocket- 500 piece	1			
29	Litmus paper 1 small box	1			
30	Magnesium sulphate AR grade- 500 gm	1			
31	Methyl orange 250 gm	1			
32	Methyl orange indicator 125 ml	4			
33	Neutral ferric chloride solution 125 ml	1			
34	Nitric acid - 500 ml	2			
35	N-Methyl amine 250 ml	1			
36	O-Cresol 250 gm	1			
37	Oxalic Acid - 500 gm	1			
38	P-Cresol 250 gm	1			
39	Phenol - 500 ml	1			
40	Phenolphthalein 100 gm	2			
41	Phenolphthalein indicator 125 ml	4			
42	Phenyl hydrazine - 500 gms	1			
43	Phthalic acid -250 gm	1			
44	Phthalic anhydride - 500 gms	1			
45	Potassium dichromate - AR grade 500 gm	2			
46	Potassium permanganate - 500 gm	2			
47	Potassium sulphate - 500 gm	1			
48	Potassium thiosulphate - 500 gm	1			

49	Resorcinol - 250gm	2			
50	Schiff's reagent - 250 ml	1			
51	Silver nitrate -100 gm	1			
52	Sodium acetate- 500 gms	1			
53	Sodium bicarbonate AR Grade - 500 gms	1			
54	Sodium carbonate AR grade - 500 gms	2			
56	Sodium hydroxide AR grade - 500 gm	2			
57	Sodium metal -100 gm	1			
58	Sodium nitrite - 500 gms	1			
59	Sodium nitropruside -100 gm	1			
60	Sodium thiosulphate - 500 gm	2			
61	Starch - 250 gm	1			
62	Sulphuric acid - 500 ml	2			
63	Tollen's reagent - 250 ml	2			
64	Urea - 500 gm	1			
65	Zinc sulphate - 500 gm	1			
66	-naphthol - 500 gms	1			
67	-naphthol - 250 gm	1			