

CHEMISTRY LABORATORY
LIST OF REQUIREMENTS – FOR A CLASS OF 30 STUDENTS
CLASSES VIII – X

COMMON APPARATUS	OLD QUANTITY	NEW QUANTITY
1. Rough Balance	1	No change
2. Burner	30 + 5 (reserve)	No change
3. Test tubes		
4. Test tube rack	30 + 5 (reserve)	No change
5. Test tube holder	30 + 5 (reserve)	No change
6. Reagent Bottles	15 + 5 (reserve)	120+10(reserve)- Transparent 30+5(reserve)-Amber coloured
7. Dropper	30 + 5 (reserve)	No change
8. Glass rod	30 + 5 (reserve)	No change
9. Glass test tubes	30 + 5 (reserve)	Small 100 + 5 (reserve) Large 30 + 5 (reserve)
10. Funnel	30 + 5 (reserve)	No change
11. Delivery tube	30 + 5 (reserve)	No change
12. Measuring cylinder (1000 ml)	30 + 5 (reserve)	2 + 1 (reserve)
13. Platinum Wire / Nichrome wire	30 pcs	No change
14. Watch glass	30 + 5 (reserve)	No change
15. Litmus paper		
16. Starch Iodide Paper		
17. Filter Strips		
18. Filter Paper	10 pkts	No change
19. Spatula	30 + 5 (reserve)	No change

ADDITIONAL APPARATUS LIST

APPARATUS	QUANTITY
1. Measuring cylinder – 500 ml	5 + 1 (reserve)
2. Measuring cylinder – 250 ml	1
3. Round Bottom flask – 1000 ml	2 + 1 (reserve)
4. Separating funnel – 1000 ml	1 + 1 (reserve)
5. One holed Rubber stoppers for large test tubes	30
6. Tripod stands	30 + 5 (reserve)
7. Wire gauges	30 + 5 (reserve)
8. Evaporating dish	30 + 5 (reserve)
9. Beakers – 250 ml 150 ml	30 + 5 (reserve) 30 + 5 (reserve)
10. Thistle funnel	1
11. Conical flask	30 + 5 (reserve)
12. Pipette	1
13. Burette	1
14. Clamp stands	5
15. Gas lighters	5

CHEMICALS REQUIRED	QUANTITY
1. Distilled water	
2. Calcium Hydroxide	500 g.
3. Concentrated Hydrochloric Acid	2.5.ltrs.
4. Concentrated Sulphuric Acid	2.5 ltrs
5. Concentrated Nitric Acid	2.5 ltrs
6. Sodium Hydroxide	500 g.
7. Liquor Ammonium Hydroxide	2.5 ltrs.
8. Potassium Iodide	100 g.
9. Potassium Chromate	250 g.
10.Potassium Dichromate	250 g.
11.Potassium Permanganate	250 g.
12.Lead Acetate	250 g.
13.Mercuric Oxide	100 g.
14.Lead Dioxide	250 g.
15.Trilead Tetraoxide (Red Lead)	100 g.
16.Lead Nitrate	250 g.
17.Zinc Nitrate	250 g.
18.Calcium Nitrate	250 g.
19.Copper Nitrate	250 g.
20.Copper Sulphate	250 g.
21.Sodium Carbonate	250 g.
22.Sodium Bicarbonate	250 g.
23.Ammonium Dichromate	250 g.
24.Ferrous Sulphate	250 g.
25.Ferric Chloride	250 g.

26. Copper Oxide	100 g.
27. Manganese Dioxide	500 g.
28. Sodium Nitrate	250 g.
29. Ammonium Chloride	250 g.
30. Phenolphthalein	50 ml.
31. Magnesium Wire	
32. Zinc Granules	
33. Copper Turnings	

ADDITIONAL CHEMICALS REQUIRED

CHEMICALS	QUANTITY
1. Potassium Chloride	250 g
2. Barium Chloride	250 g
3. Copper Chloride	250 g
4. Sodium Chloride	250 g
5. Zinc carbonate	250 g
6. Calcium carbonate	250 g
7. Copper carbonate	250 g
8. Zinc Sulphide	250 g
9. Sodium Sulphite	250 g
10. Zinc Sulphate	250 g
11. Silver nitrate	25 g
12. Potassium Ferrocyanide	250 g
13. Potassium Ferricyanide	250 g
14. Sulphur powder	250 g
15. Iron filings	

NOTE: THE REQUIREMENT FOR LABORATORY EQUIPMENT IS SUBJECT TO CHANGE BASED ON CHANGES IN THE ICSE SYLLABUS.