

SHREE RAMKRISHNA INSTITUTE OF SCIENCE & TECHNOLOGY
LESSON PLAN FOR THE ACADEMIC SESSION 2015 – 2016
BASIC CHEMISTRY LAB FOR 1ST YEAR 1ST SEMESTER OF ALL DEPT.

Sl.	Details	Content	No. of classes for each section
01.	Introduction	Syllabus ,Precautions, Number allotted and identifications of apparatus & etc	01
02.	Dry test for basic radicals(as per syllabus)	a) Test tube heating	01
		b) Charcoal block test	
		c) Flame test	
		d) Cobalt Nitrate Test	
		e) Borax bead test	
03.	Dry test for acid radical	All the acid radicals as per syllabus	01
04.	Wet test for basic radical	Group analysis & confirmations of basic radical by Group as per syllabus	01

05.	Wet test for acid radical	Confirmation test of all acid radicals as per syllabus	01
06.	Identifications of unknown sample salts	1) $\text{Pb}(\text{NO}_3)_2$, CuSO_4, NaNO_3, 2) $\text{Al}_2(\text{SO}_4)_3$, FeCl_3, ZnS 3) Na_2CO_3, MgCl_2 etc..	01 01 01
07	Acid base titration	Sulphuric Acid & Sodium Carbonate	01
08	Red-ox titration	Potassium di chromate-Oxalic Acid THEN Potassium di chromate-Mohrs Salt	01
09	Preparation of Potash alum		01