

## LESSON PLAN

### ***CHEMISTRY LAB. PRACTICAL FOR 1<sup>ST</sup> YEAR ALL DEPT.***

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

<b>04.</b>	<b>Wet test for basic radical</b>	<b>Group analysis &amp; confirmations of basic radical by Group as per syllabus</b>	<b>01</b>
<b>05.</b>	<b>Wet test for acid radical</b>	<b>Confirmation test of all acid radicals as per syllabus</b>	<b>01</b>
<b>06.</b>	<b>Identifications of unknown sample salts</b>	<b>1) <math>\text{Pb}(\text{NO}_3)_2</math>, <math>\text{CuSO}_4</math>, <math>\text{NaNO}_3</math> ,</b> <b>2) <math>\text{Al}_2(\text{SO}_4)_3</math>, <math>\text{FeCl}_3</math> , <math>\text{ZnS}</math></b> <b>3) <math>\text{Na}_2\text{CO}_3</math> , <math>\text{MgCl}_2</math> etc..</b>	<b>01</b> <b>01</b> <b>01</b>
<b>07</b>	<b>Acid base titration</b>	<b>Sulphuric Acid &amp; Sodium Carbonate</b>	<b>01</b>
<b>08</b>	<b>Red-ox titration</b>	<b>Potassium di cromate-Oxalic Acid</b> <b>THEN Potassium di cromate-Mohrs Salt</b>	<b>01</b>
<b>09</b>	<b>Preparation of</b>		<b>01</b>

	<b>Potash alum</b>		
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CHEMISTRY LAB