

**DESIGN OF  
QUESTION PAPER**  
Subject: **CHEMISTRY**  
Paper: Practical (One Paper)  
Class: XI  
Time: 3 hours  
**Full Marks: 30**

Sl. No.	Form of Exercise	Nature of Exercise	Skill to be tested					Total Marks	Estimated Time (Mins.)
			Manipulative Skill	Observational Skill	Drawing Skill	Reporting Skill	Related Understanding		
1	Category A	Quantitative Estimation	1	3	0	2	2	8	45
2	Category B	Qualitative Analysis	1	1	0	4	2	8	90
3	Category C	Any one of the Experiments in the category C of the syllabus may be given							
		Eg. Basic Laboratory techniques: Cutting and Rounding, Bending, Drawing out of jet of glass tubes, Boring of cokes;	1	1	0	2	1		
		Or,							
		Characterization and purification of Chemical Substances;	1	1	0	2	1	5	30
		Or,							
		Determination of melting point, boiling point, Crystallization etc.;	1	1	0	2	1		
		Or,							
		Experiments related to pH determination of solutions;	1	1	0	2	1		
		Or,							
		Experiments on equilibrium ionic reactions;	1	1	0	2	1		
4	Project Work							5	15
5	Class record							2	
6	Viva Voce							2	
<b>TOTAL</b>								<b>30</b>	<b>180</b>

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			Manipulative Skill	Observational Skill	Drawing Skill	Reporting Skill	Related Understanding	Total Marks	Estimated Time (Mins.)
1	Category A	Quantitative Estimation	1	3	0	2	2	8	45
2	Category B	Qualitative Analysis	1	1	0	4	2	8	90
3	Category C	Any one of the Experiments in the category C of the syllabus may be given Eg. Basic Laboratory techniques: Cutting and Rounding, Bending, Drawing out of jet of glass tubes, Boring of cokes; Or, Characterization and purification of Chemical Substances; Or, Determination of melting point, boiling point, Crystallization etc.; Or, Experiments related to pH determination of solutions; Or, Experiments on equilibrium ionic reactions;	1	1	0	2	1	5	30
4	Project Work	Scientific investigations involving laboratory testing and collecting information from other sources in the areas suggested in syllabus or any other innovative topics.						5	15
5	Class record							2	
6	Viva Voce							2	
<b>TOTAL</b>								<b>30</b>	<b>180</b>