



# ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA - 700019



## Session Plan/ Syllabus Coverage for the Academic Year 2025-2026

Subject: Chemistry  
No. of Working Days: 103

Term: 1<sup>st</sup>  
No. of Periods Available: 73

Subject Co-coordinator: Mr. Arnab Paul Chowdhury  
Class: XII

Name of the Book: ISC Chemistry (Nootan)  
Sections: A

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
April	14	CH-1: SOLUTION (Page No.-1-65)	Vapour pressure, colligative properties, Abnormal colligative properties, Van't Hoff factor	Concepts related to all the subtopics will be discussed and different types of numerical will be solved. (Page No.-44-53)	Chart on Solution
		CH-6: HALOALKANE & HALOARENES (Page No.-302-368)	Synthesis of halo alkane, halo arene, properties of them and different chemical reactions, identification test	Concepts related to all the subtopics will be discussed and different types of numerical will be solved. (Page No.-342-355)	Demonstration of conversion chart
May	9	CH-3: CHEMICAL KINETICS (Page No.-141-406)	Reaction rate, Order and molecularity, integrated rate expression for zero, 1 <sup>st</sup> , 2 <sup>nd</sup> and n <sup>th</sup> order reactions, variation of reaction rate with temperature, Arrhenius equation	Concepts related to all the subtopics will be discussed and different types of numerical will be solved. (Page No.-182-192)	Chart on Chemical Kinetics
		CH-7: ALCOHOLS, PHENOLS AND ETHERS (Page No.-369-451)	Synthesis of Alcohols, Phenols & ethers; properties of them and different chemical reactions, identification tests, distinguishing methods, conceptual Council based questions would be discussed thoroughly	Concepts related to all the subtopics will be discussed. (Page No.-421-436)	Demonstration of conversion chart
June	9	CH-2: ELECTROCHEMISTRY (Page No.-66-140)	Electrolysis and Faraday's law, Nernst equation, conductance, Kohlrausch's law	Concepts related to all the subtopics will be discussed and different types of numerical will be solved. (Page No.-119-129)	Demonstration of model and chart
		Unit Test -1 begins from 16 <sup>th</sup> June. Syllabus: Chapter 1-Solution & Chapter-6-Haloalkane & Haloarene (Page no. 1 to 208)			
July	18	CH-4: d & f-BLOCK ELEMENTS (Page No.-202-252)	A comparative study based on d and f block elements	Concepts related to all the subtopics will be discussed (Page No.-237-244)	Demonstration of conversion chart
		CH-5: COORDINATION COMPOUNDS (Page No.-253-301)	Warner's theory, VBT, Isomerism, IUPAC nomenclature, metal carbonyl compounds	Concepts related to all the subtopics will be discussed and different types of numerical will be solved. (Page No.-285-292)	Demonstration of model and chart
Aug	16	CH-8: ALDEHYDES, KETONES AND CARBOXYLIC ACIDS (Page No.-452-491)	Synthesis, Physical properties, Chemical reactions and identification tests for carbonyl compounds	Concepts related to all the subtopics will be discussed (Page No.-541-550)	Demonstration of conversion chart
		CH-8: ALDEHYDES, KETONES AND CARBOXYLIC ACIDS (Page No.-492-574)	Synthesis, Physical properties, Chemical reactions and identification tests for carbonyl compounds	Concepts related to all the subtopics will be discussed (Page No.-551-554)	Demonstration of conversion chart
Sept 1 <sup>st</sup> term exam begins on 15.09.25	7	Revision for First Term	CHAPTERS- 1,2,3,4,5,6,7,8	Previous year's Board's papers will be discussed.	Demonstration of conversion chart, Models
		<b>Syllabus for 1<sup>st</sup> term examination</b> - Solution(CH-1), Chemical Kinetics(CH-3), Haloalkane and Haloarene (CH-6), Alcohol, Phenol & Ether (CH-7), Coordination compounds(CH-5), Aldehyde, Ketones and Carboxylic acids(CH-8), Electrochemistry(CH-2), d & f- block elements(CH-4)			

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Signature of the Co-Teachers:

*Arnab Paul Chowdhury*

PRINCIPAL:

Submitted on: 13.5.25  
21.04.2025

Academic Co-coordinator: Soumik Chatterjee

VICE PRINCIPAL:

*Rajesh*





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## Session Plan/ Syllabus Coverage for the Academic Year 2025-2026

Subject: Chemistry

Term: 2<sup>nd</sup>

Subject Co-coordinator: Mr. Arnab Paul Chowdhury

Name of the Book: ISC Chemistry (Nootan)

No. of Working Days: 52

No. of Periods Available: 32

Class: XII

Sections: A

MONTH	NO. OF PERIODS	LESSONS	TOPICS COVERED	CLASS WORK	TEACHING AIDS
Oct	12	CH-9: ORGANIC COMPOUNDS CONTAINING NITROGEN (Page No.-575-654) CH-10: BIOLOECULES (Page No.-655-709)	Synthesis, Physical properties, Chemical reactions and identification tests for carboxylic acid and Amines Structures, nature and important chemical reactions (Ref: Isoelectric pH, Zwitterion, Mutarotation, Inversion of cane sugar, peptide linkage, Vitamins, Enzyme, Nucleic acids)	Concepts related to all the subtopics will be discussed. Chapter No.-9 (Page No.-629-639) Chapter No.-10 (Page No.-696-703)	Demonstration of conversion chart
*** Last Date of Submission of CHEMISTRY Project is 08.10.2025 ***					
Nov	16	REVISION(ORGANIC)	CHAPTERS: 6,7,8,9,10	Previous year's Board's papers will be discussed.	Demonstration of conversion chart
		REVISION(PHYSICAL)	CHAPTERS: 1,2,3	Previous year's Board's papers will be discussed.	Demonstration of conversion chart
Dec Rehearsal Test begins on 08.12.25	4	REVISION(INORGANIC)	CHAPTERS: 4 & 5	Previous year's Board's papers will be discussed.	Demonstration of conversion chart

**Syllabus for Rehearsal Test** – All the units discussed during the academic session ( i.e. from Chapter – 1 to Chapter- 10)

Teachers are requested to prepare a LESSON PLANS for each Topic month wise.

Signature of the Co-Teachers: 1.

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PRINCIPAL

Submitted on: 13.5.25  
~~21.04.2025~~

Academic Co-ordinator: *Soumak Chatterji*

VICE PRINCIPAL

*BSH*