



# Aggarwal College Ballabgarh

## LESSON PLAN 17 WEEKS (JAN-APRIL)-2025

1 WEEK = 2 LECTURES  
(Friday, Saturday)

Name of Faculty: Tina Jain  
Designation/ Department: Chemistry Department

CLASS: B.Sc. Chemistry (Hons.)	SEMESTER: 6	SECTION: A
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SUBJECT: Inorganic Chemistry (Theory) - II

Week	DATE	TOPICS TO BE COVERED
1	7-1-2025	
	8-1-2025	
	9-1-2025	
	10-1-2025	Overview of semester units and textbook discussion
	11-1-2025	General introduction of nuclear chemistry
	12-1-2025	S. U. N. D. A. Y.
2	13-1-2025	
	14-1-2025	
	15-1-2025	
	16-1-2025	
	17-1-2025	Composition of Nuclei, structure of nucleus
	18-1-2025	forces operative within nucleus
	19-1-2025	S. U. N. D. A. Y.
3	20-1-2025	
	21-1-2025	
	22-1-2025	

	23-1-2025	
	24-1-2025	Nuclear stability and mass-energy equivalence (binding energy).
	25-1-2025	Nuclear reactions: Types of nuclear reactions
	26-1-2025	<b>REPUBLIC DAY /S. U. N. D. A. Y.</b>
4	27-1-2025	
	28-1-2025	
	29-1-2025	
	30-1-2025	
	31-1-2025	Nuclear reactions: Types of nuclear reactions
	1-2-2025	the compound nucleus theories
	2-2-2025	<b>S. U. N. D. A. Y/BASANT PANCHAMI</b>
5	3-2-2025	
	4-2-2025	
	5-2-2025	
	6-2-2025	
	7-2-2025	thermonuclear reactions including fusion and fission reactions
	8-2-2025	thermonuclear reactions including fusion and fission reactions
	9-2-2025	<b>S. U. N. D. A. Y</b>
6	10-2-2025	
	11-2-2025	
	12-2-2025	<b>HOLIDAY: GURU RAVIDAS JAYANTI</b>
	13-2-2025	
	14-2-2025	radiation detection and measurement
	15-2-2025	G.M. counters

	16-2-2025	<b>S. U. N. D. A. Y.</b>
7	17-2-2025	
	18-2-2025	
	19-2-2025	
	20-2-2025	
	21-2-2025	Proportional counters
	22-2-2025	scientillation counter
	23-2-2025	<b>S. U. N. D. A. Y.</b>
8	24-2-2025	
	25-2-2025	
	26-2-2025	<b>HOLIDAY: MAHA SHIVRATRI</b>
	27-2-2025	
	28-2-2025	semi-conductor detector
	1-3-2025	Activation analysis
	2-3-2025	<b>S. U. N. D. A. Y.</b>
9	3-3-2025	
	4-3-2025	
	5-3-2025	
	6-3-2025	
	7-3-2025	isotopic dilution analysis
	8-3-2025	radiometric titrations.
	9-3-2025	<b>S. U. N. D. A. Y.</b>
10	10-3-2025	
	11-3-2025	

	12-3-2025	
	13-3-2025	
	14-3-2025	radiometric titrations
	15-3-2025	Introduction of solid-state chemistry
	16-03-2025	<b>S. U. N. D. A. Y.</b>
11	17-3-2025	
	18-3-2025	
	19-3-2025	
	20-3-2025	
	21-3-2025	factors affecting crystal structures
	22-3-2025	Structure of $\text{Mn}_2\text{O}_3$
	23-3-2025	<b>S. U. N. D. A. Y.</b>
12	24-3-2025	
	25-3-2025	
	26-3-2025	
	27-3-2025	
	28-3-2025	Structure of Zinc blende
	29-3-2025	Structure of Wurtzite
	30-3-2025	<b>S. U. N. D. A. Y.</b>
13	31-3-2025	<b>HOLIDAY: ID-UL-FITR</b>
	1-4-2025	
	2-4-2025	
	3-4-2025	
	4-4-2025	Structure of NiAs

	5-4-2025	Structure of CsCl
	6-4-2025	S. U. N. D. A. Y.
14	7-4-2025	
	8-4-2025	
	9-4-2025	
	10-4-2025	HOLIDAY: MAHAVIR JAYANTI
	11-4-2025	Structure of $\text{CaF}_2$
	12-4-2025	Structure of Rutile
	13-4-2025	S. U. N. D. A. Y.
15	14-4-2025	HOLIDAY: AMBEDKAR JAYANTI
	15-4-2025	
	16-4-2025	
	17-4-2025	
	18-4-2025	Structure of Cristobalite,
	19-4-2025	Structure of $\text{BiI}_3$
	20-4-2025	S. U. N. D. A. Y.
16	21-4-2025	
	22-4-2025	
	23-4-2025	
	24-4-2025	
	25-4-2025	Structure Of $\text{ReO}_3$
	26-4-2025	Structure Of Corundum
	27-4-2025	S. U. N. D. A. Y.
	28-4-2025	

17	29-4-2025	
	30-4-2025	<b>HOLIDAY: AKSHAY TRITYA</b>
	01-05-2025	
	02-05-2025	Comprehensive revision and doubt-solving session of Unit 3
	03-05-2025	Comprehensive revision and doubt-solving session of Unit 4
	04-05-2025	<b>S. U. N. D. A. Y.</b>



Signature