



Aggarwal College Ballabgarh

LESSON PLAN

17 WEEKS (JAN-APRIL)-2025

Name of Faculty: Geeta Rathi

Designation/ Department: Chemistry

CLASS: B.Sc.II

SEMESTER: 4th

SECTION: Chem. Hons.

SUBJECT: *Organic Chemistry*

Week		
1	7-1-2025	
	8-1-2025	
	9-1-2025	
	10-1-2025	molecular vibrations.
	11-1-2025	Hooke's law.
	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	Selection rules.

	18-1-2025	intensity and position of IR bands.
	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	measurement of IR spectrum.
	25-1-2025	fingerprint region.
	26-1-2025	REPUBLIC DAY /S. U. N. D. A. Y.
4	27-1-2025	
	28-1-2025	
	29-1-2025	
	30-1-2025	
	31-1-2025	characteristic absorptions of various functional groups and interpretation of IR spectra of simple organic compounds.
	1-2-2025	Hydrocarbons (saturated and unsaturated)

	2-2-2025	S. U. N. D. A. Y/BASANT PANCHAMI
5	3-2-2025	
	4-2-2025	
	5-2-2025	
	6-2-2025	
	7-2-2025	hydroxy compounds.
	8-2-2025	aldehydes, ketones.
	9-2-2025	S. U. N. D. A. Y
6	10-2-2025	
	11-2-2025	
	12-2-2025	HOLIDAY: GURU RAVIDAS JAYANTI
	13-2-2025	
	14-2-2025	esters, anhydrides.
	15-2-2025	amides, amines.
	16-2-2025	S. U. N. D. A. Y.
7	17-2-2025	
	18-2-2025	
	19-2-2025	
	20-2-2025	
	21-2-2025	Nitrocompounds.

	22-2-2025	Applications of IR spectroscopy in structure elucidation of organic compounds.
	23-2-2025	S. U. N. D. A. Y.
8	24-2-2025	
	25-2-2025	
	26-2-2025	HOLIDAY: MAHA SHIVRATRI
	27-2-2025	
	28-2-2025	Structure and nomenclature of amines
	1-3-2025	physical properties.
	2-3-2025	S. U. N. D. A. Y.
9	3-3-2025	
	4-3-2025	
	5-3-2025	
	6-3-2025	
	7-3-2025	Stereochemistry of amines.
	8-3-2025	Separation of a mixture of primary, secondary and tertiary amine.
	9-3-2025	S. U. N. D. A. Y.

10	10-3-2025	
	11-3-2025	
	12-3-2025	
	13-3-2025	
	14-3-2025	Structural features affecting basicity of amines.
	15-3-2025	Amine salts as phase -transfer catalysts.
	16-03-2025	S. U. N. D. A. Y.
11	17-3-2025	
	18-3-2025	
	19-3-2025	
	20-3-2025	
	21-3-2025	Preparation of alkyl and aryl amines.
	22-3-2025	(reduction of nitro Compounds)
	23-3-2025	S. U. N. D. A. Y.
12	24-3-2025	
	25-3-2025	
	26-3-2025	
	27-3-2025	

	28-3-2025	Nitriles.
	29-3-2025	reductive amination of aldehydic.
	30-3-2025	S. U. N. D. A. Y.
13	31-3-2025	HOLIDAY: ID-UL-FITR
	1-4-2025	
	2-4-2025	
	3-4-2025	
	4-4-2025	amination of ketonic compounds.
	5-4-2025	Gabriel-phthalimide reaction.
	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	Hofmann bromamide reaction.
	12-4-2025	Reactions of amines.

	13-4-2025	S. U. N. D. A. Y.
15	14-4-2025	HOLIDAY: AMBEDKAR JAYANTI
	15-4-2025	Assignment-I
	16-4-2025	
	17-4-2025	
	18-4-2025	electrophilic aromatic substitution in aryl amines,
	19-4-2025	reactions of amines with nitrous acid.
	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	Assignment-I
	26-4-2025	Test-I
	27-4-2025	S. U. N. D. A. Y.
17	28-4-2025	
	29-4-2025	
	30-4-2025	HOLIDAY: AKSHAY TRITYA
	01-05-2025	
	02-05-2025	Revision
	03-05-2025	Revision

	04-05-2025	S. U. N. D. A. Y.
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GEETA RATHI

Signature