



Aggarwal College Ballabgarh

LESSON PLAN 17 WEEKS (JAN-APRIL)-2025

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

1 WEEK = 6 lectures
Monday, Tuesday- 1 lectures
Wednesday, Thursday – 2 lectures

CLASS: M.Sc. Chemistry		SEMESTER: 4	SECTION: A
SUBJECT: Organic Special-V			
Week	DATE	TOPICS TO BE COVERED	
1	7-1-2025	Overview of semester units and textbook discussion	
	8-1-2025	Classification, nomenclature, occurrence of terpenoids	
	9-1-2025	general method of structural determination of terpenoids, Isoprene rule,	
	10-1-2025		
	11-1-2025		
	12-1-2025	S. U. N. D. A. Y.	
2	13-1-2025	Structure determination, stereochemistry, and synthesis of Citral	
	14-1-2025	Structure determination, stereochemistry, and synthesis of Farnesol	
	15-1-2025	Structure determination, stereochemistry, and synthesis of Zingibrene	
	16-1-2025	Structure determination, stereochemistry, and synthesis of Santonin	
	17-1-2025		
	18-1-2025		
3	19-1-2025	S. U. N. D. A. Y.	
	20-1-2025	Structure determination, stereochemistry, and synthesis of α - Cadinene	
	21-1-2025	Structure determination, stereochemistry, and synthesis of α - Cadinene	
	22-1-2025	Structure determination, stereochemistry, and synthesis of Camphor	

	23-1-2025	Structure determination, stereochemistry, and synthesis of Abietic acid
	24-1-2025	
	25-1-2025	
	26-1-2025	REPUBLIC DAY /S. U. N. D. A. Y.
4	27-1-2025	Biogenetic pathways and biosynthesis of terpenoids
	28-1-2025	Biogenetic pathways and biosynthesis of terpenoids
	29-1-2025	Classification, occurrence, general methods of isolation of alkaloids
	30-1-2025	general methods of structure elucidation of alkaloids
	31-1-2025	
	1-2-2025	
	2-2-2025	S. U. N. D. A. Y/BASANT PANCHAMI
5	3-2-2025	Structure, stereochemistry, synthesis, and biosynthesis of Papaverine
	4-2-2025	Structure, stereochemistry, synthesis, and biosynthesis of Papaverine
	5-2-2025	Structure, stereochemistry, synthesis, and biosynthesis of Nicotine
	6-2-2025	Structure, stereochemistry, synthesis, and biosynthesis of Quinine
	7-2-2025	
	8-2-2025	
	9-2-2025	S. U. N. D. A. Y
6	10-2-2025	Structure, stereochemistry, synthesis, and biosynthesis of Morphine
	11-2-2025	Structure, stereochemistry, synthesis, and biosynthesis of morphine
	12-2-2025	HOLIDAY: GURU RAVIDAS JAYANTI
	13-2-2025	Structure, stereochemistry, synthesis, and biosynthesis of lysergic acid
	14-2-2025	
	15-2-2025	

	16-2-2025	S. U. N. D. A. Y.
7	17-2-2025	Structure, stereochemistry, synthesis, and biosynthesis of lysergic acid
	18-2-2025	Structure, stereochemistry, synthesis, and biosynthesis of reserpine
	19-2-2025	Structure, stereochemistry, synthesis, and biosynthesis of reserpine
	20-2-2025	Structure elucidation and synthesis of Cholesterol
	21-2-2025	
	22-2-2025	
	23-2-2025	S. U. N. D. A. Y.
8	24-2-2025	Structure elucidation and synthesis of Cholesterol
	25-2-2025	Structure elucidation and synthesis of Bile Acids
	26-2-2025	HOLIDAY: MAHA SHIVRATRI
	27-2-2025	Structure elucidation and synthesis of Bile Acids
	28-2-2025	
	1-3-2025	
	2-3-2025	S. U. N. D. A. Y.
9	3-3-2025	Structure elucidation and synthesis of testosterone
	4-3-2025	Structure elucidation and synthesis of testosterone
	5-3-2025	Structure elucidation and synthesis of oestrogens
	6-3-2025	Structure elucidation and synthesis of Esterone
	7-3-2025	
	8-3-2025	
	9-3-2025	S. U. N. D. A. Y.
10	10-3-2025	Occurrence and General methods of isolation of steroids
	11-3-2025	Occurrence and General methods of hormones

	12-3-2025	Structure elucidation and synthesis of non-steroidal estrogen
	13-3-2025	Structure elucidation and synthesis of Adrenaline
	14-3-2025	
	15-3-2025	
	16-03-2025	S. U. N. D. A. Y.
11	17-3-2025	Structure elucidation and synthesis of Thyroxine.
	18-3-2025	Structure elucidation of Penicillin
	19-3-2025	Structure elucidation of Penicillin
	20-3-2025	Structure elucidation of Chloramphenicol
	21-3-2025	
	22-3-2025	
	23-3-2025	S. U. N. D. A. Y.
12	24-3-2025	Structure elucidation of Streptomycin
	25-3-2025	Structure elucidation of Streptomycin
	26-3-2025	Structure elucidation of Tetracyclines
	27-3-2025	Introduction and Classification of Prostaglandins
	28-3-2025	
	29-3-2025	
	30-3-2025	S. U. N. D. A. Y.
13	31-3-2025	HOLIDAY: ID-UL-FITR
	1-4-2025	Physiological effects of Prostaglandins
	2-4-2025	synthesis of PGE ₂
	3-4-2025	synthesis of PGE ₂
	4-4-2025	

	5-4-2025	
	6-4-2025	S. U. N. D. A. Y.
14	7-4-2025	synthesis of PGE ₂ α
	8-4-2025	synthesis of PGE ₂ α
	9-4-2025	General method of isolation of alkaloids
	10-4-2025	HOLIDAY: MAHAVIR JAYANTI
	11-4-2025	
	12-4-2025	
	13-4-2025	S. U. N. D. A. Y.
15	14-4-2025	HOLIDAY: AMBEDKAR JAYANTI
	15-4-2025	Comprehensive revision and doubt-solving session of Unit 1
	16-4-2025	Comprehensive revision and doubt-solving session of Units 1,2
	17-4-2025	Comprehensive revision and doubt-solving session of Units 2,3
	18-4-2025	
	19-4-2025	
	20-4-2025	S. U. N. D. A. Y.
16	21-4-2025	Comprehensive revision and doubt-solving session of Unit 4
	22-4-2025	Comprehensive revision and doubt-solving session of Unit 4
	23-4-2025	Test of unit 1
	24-4-2025	Test of unit 2
	25-4-2025	
	26-4-2025	
	27-4-2025	S. U. N. D. A. Y.
	28-4-2025	Test of Unit 3

17	29-4-2025	Test of Unit 4
	30-4-2025	HOLIDAY: AKSHAY TRITYA
	01-05-2025	Revision class
	02-05-2025	
	03-05-2025	
	04-05-2025	S. U. N. D. A. Y.



Signature