

CURRICULUM PLAN (ODD SEMESTER 2024-25)

Teacher Name: Dr. Anjali Sehrawat

Course: BSc. Life Science, I year (Semester I)

Paper Name: (DSC) Basic Concepts of Organic Chemistry (NEP) (2 periods per week)

UPC: 2172511101

Contents	Allocation of lectures	Month wise schedule to be followed	Tutorial/Assignments / Presentations etc.
Unit 1: Fundamentals of Organic Chemistry Electronic displacements, Reactive intermediates	4	1 st week of September – 2 nd week of September	<ul style="list-style-type: none">● Syllabus Overview● References Books● Lectures
Acidity and basicity in organic compounds Unit 2: Stereochemistry Concept of Isomerism, types of isomerism	4	3 rd week of September – 4 th week of September	<ul style="list-style-type: none">● Lectures● Class discussion
Unit 2: Stereochemistry Projection formulas and their interconversions, Threo and erythro, D and L, cis and trans, concept of chirality, configurations	4	1 st week of October– 2 nd week of October	<ul style="list-style-type: none">● Lectures● Problem solving● Class discussion
R/S and E/Z nomenclature, Conformations Unit 3: Types of Organic reactions Electrophilic addition reactions	4	3 rd week of October – 4 th week of October	<ul style="list-style-type: none">● Lectures● Class test● Problem solving
Nucleophilic addition reactions of carbonyl compounds	4	1 st week of November– 2 nd week of November	<ul style="list-style-type: none">● Lectures● Assignment
Elimination and nucleophilic substitution reactions	4	3 rd week of November– 4 th week of November	<ul style="list-style-type: none">● Lectures● Class discussion
Electrophilic substitution reactions of	6	1 st week of December -	<ul style="list-style-type: none">● Lectures

aromatic compounds, reactive intermediates and rearrangement reactions		3rd week of December	<ul style="list-style-type: none">• Test• Class discussion
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