

CURRICULUM PLAN (ODD SEMESTER 2025-26)

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 Acidity and basicity in organic compounds	8	1 st week of August – 4 th week of August	<ul style="list-style-type: none">• Syllabus Overview• Reference Books• Lectures• Class discussion
Unit 2: Stereochemistry Concept of Isomerism, types of isomerism Projection formulas and their interconversions, Threo and erythro, D and L, cis and trans, concept of chirality, configurations, R/S and E/Z nomenclature, Conformations	10	1 st week of September– 1 st week of October	<ul style="list-style-type: none">• Lectures• Problem solving• Class discussion
Unit 3: Types of Organic reactions Electrophilic addition reactions Nucleophilic addition reactions of carbonyl compounds Elimination and nucleophilic substitution reactions Electrophilic substitution reactions of aromatic compounds, reactive intermediates and rearrangement reactions	12	2 nd week of October– 3 rd week of November	<ul style="list-style-type: none">• Lectures• Class test• Problem solving• Assignment• Class discussion

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