

ACADEMIC PLANNER & UNITIZATION OF SYLLABUS

Department: Chemistry

SEMESTER-IV

Core P4 - Organic Chemistry II Lab.

Subject Teacher: Dr.MridulaAcharyya

AY:2023-24

SYLLABUS UNITIZATION:

MONTH	WEEK	TOPICS to be TAUGHT
March	2	Nitration of aromatic compounds
March	3	Condensation reactions
March	4	Hydrolysis of amides/imides/esters
April	1	Green 'multi-component-coupling' reaction
April	2	Acetylation of phenols/aromatic amines
April	3	Benzoylation of phenols/aromatic amines
April	4	Side chain oxidation of aromatic compounds
May	1	Selective reduction of m-dinitrobenzene to m-nitroaniline
May	2	Diazo coupling reactions of aromatic amines
May	3	Bromination of anilides using green approach (Bromate-Bromide method)
May	4	Redox reaction including solid-phase method
June	1	<b>CLASS TEST</b>
June	2	Revision
June	3	Revision
June	4	Revision

REFERENCES

1. Arthur, I. V. Quantitative Organic Analysis, Pearson
2. University Hand Book of Undergraduate Chemistry Experiments, edited by Mukherjee, G.N., University of Calcutta
3. Vogel, A. I. Elementary Practical Organic Chemistry, Part 1: Small scale Preparations, CBS Publishers and Distributors.