Bhairavnath Shikshan Mandal's

Bhiaravnath Vidynan Mahavidyalaya, Khutbav

Tal.Daund Dist.Pune

Weekly Academic Planner 2020-21

Class: T.Y.B.Sc. CH-507: Organic Chemistry - I [Credit -2, 36 L]

Name of Teacher- Asst.Prof. Sutar Arti Dattatray

Month	Week 1	Week 2	Week 3	Week 4
Sept			• **1. Polynuclear and Heteronuclear Aromatic Compounds [08 L]** • Introduction, Classification of aromatic compounds, • Properties of the following compounds with reference to electrophilic and nucleophilic • substitution: Naphthalene, Anthracene, Furan, Pyrrole, Thiophene, and Pyridine	• **Active Methyle Compou [05 L]** • Definitio Preparat Ethylace e and Sy uses of ethylace e Prepar Diethyl malonat Syntheti of diethy malonat • (prepara non-hete cules ha upto 6 c
Oct	**3. Rearrangement Reactions [12 L]**	• Rearrangement – Beckmann, • Baeyer-Villiger, Favorskii,	• Assignment On Second Chapter. • Test On Second Chapter.	Assignment On Chapter. Test On Third C

	• Introduction, Types of rearrangement, • Types of reactive intermediate involved in different rearrangements	• Curtius, Lossen, Schmidt and Pinacol-Pinacolone with mechanism. • Electrocyclic Rearrangements-Claisen, • Cope and Mc-Lafferty rearrangements with mechanism.	**4. Elimination reactions [11 L]** Introduction; Types of eliminations-1,1; 1,2 elimination, Mechanism with evidences of E1and E2, E1cB reactions.	
Nov	stereochemistry of E1 and E2 elimination, Orientations and reactivity in E1 and E2 elimination.	Hoffmann and Saytzeff's orientation, Factors affecting the reactivity-effect of structure, attacking base and leaving groups.	Test and assignment.	Seminars.

Dec	• Assignment On Fourth Chapter. • Test On Fourth Chapter.		**INTERNAL EXAMINATION**	
Jan				

Faculty Name:

Asst. Prof. Sutar Arti Dattatray **Principal**