

Koyana Education Society's
Balasaheb Desai College, Patan
Department of Chemistry
Monthly Teaching Plan-Year-2023-2024
August – 2023 Semester I, III & V

Name of the Teacher- Mr. Shivhar Balaji Ambegave

Dates	Unit	Sub unit	Teaching Method Aids
B.Sc.-I			
02/08/2023	Unit III: Aromaticity	M.O. picture	Lecture
09/08/2023		Mechanism of Electrophilic substitution reactions	Lecture
16/08/2023		Nitration	Lecture
23/08/2023		Sulphonation	Lecture
30/08/2023		Halogenation reaction	Lecture
B.Sc.-III			
03/08/2023	Unit 2. UV-visible Spectroscopy	absorption of UV radiation by organic molecules leading to different excitations.	Lecture using ICT
10/08/2023		Terms used in UV Spectroscopy: Chromophore	Lecture
17/08/2023		Auxochrome	Lecture
24/08/2023		Bathochromic shift, hypsochromic shift,	Lecture
31/08/2023		hyperchromic and hypochromic effect.	Lecture
M.Sc.-I			
01/08/2023	Unit I: (B) Aliphatic Nucleophilic Substitutions	Reactivity effect of substrate structure, effect of attacking nucleophiles,	Lecture
04/08/2023		leaving groups and reaction medium	Lecture
08/08/2023		SN reactions at bridge head carbon, competition between SN1 and SN2	Lecture
11/08/2023		Ambident nucleophiles, Neighbouring Group Participation	Lecture
18/08/2023	UNIT-III: (A) Elimination Reactions	The E1, E2 and E1cB mechanisms	Lecture
22/08/2023		Orientation in Elimination reactions.	Lecture
25/08/2023		Hofman versus Saytzeff elimination	Lecture
29/08/2023		Reactivity: effects of substrate structures, attacking base, the leaving group, the nature of medium on elimination reactions.	Lecture
M.Sc.-II			
01/08/2023		advanced organic analysis	Lecture
07/08/2023		advanced organic analysis	Lecture
08/08/2023		Problems related to structure determination	Lecture
14/08/2023		Problems related to structure determination	Lecture

21/08/2023		applications of spectroscopic techniques	Lecture
22/08/2023		applications of spectroscopic techniques	Lecture
28/08/2023		analytical tools	Lecture
29/08/2023		analytical tools	Lecture