


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

Name of the Teacher- Prof. Dr. M. R. Kadam

Dates	Unit	Sub unit	Teaching Method and Aids
B.Sc.-I Theory			Teaching method Lecture, Inductive Deductive Discussion Teaching Aids
06/12/2023	Unit I: Introduction to analytical Chemistry	Introduction Importance of analysis	
07/12/2023		Analytical processes (Qualitative and Quantitative)	
13/12/2023		Methods of analysis (Only classification)	
14/12/2023		Sampling of solids, liquids and gases	
20/12/2023		Errors, types of errors	
21/12/2023		Significant figures, mean, median, standard deviation (Numerical problems expected)	
27/12/2023		Unit II: Fundamentals of Ind. Chemistry and IPR	
28/12/2023	Raw materials for chemical industry, Material safety data sheets (MSDS)		
B.Sc.-III Theory			
04/12/2023	Unit I. Sugar Industry	Introduction.	
11/12/2023		Manufacture of cane sugar in India: Extraction of juice, Clarification,	
12/12/2023		Manufacture of cane sugar in India: Concentration, crystallization,	
18/12/2023		Manufacture of cane sugar in India: Centrifugation and other details of industrial process.	
19/12/2023		Byproducts of sugar industry	
26/12/2023		Manufacture of Ethyl Alcohol from Molasses: by Fermentation.	
B.Sc.-III Practical			Teaching Methods Lecture Demonstration Hands on training Lecture
01/12/2023	Organic Chemistry	Qualitative analysis: Cinnamic acid + P-Nitroaniline	
08/12/2023			
12/12/2023		Qualitative analysis: Phthalic acid + Naphthalene	
15/12/2023			
19/12/2023		Qualitative analysis: m - Nitroaniline + Acetanilide	
22/12/2023			
26/12/2023		Qualitative analysis: Acetone + Aniline	
B.Sc.-II Practical			Teaching Aids Practical
01/12/2023	Organic Chemistry	Organic Qualitative Analysis: Aspirin	
08/12/2023		Organic Qualitative Analysis: Alpha Naphthol	

15/12/2023		Organic Qualitative Analysis: M-nitroaniline	Handbook Laboratory Equipment
22/12/2023		Organic Qualitative Analysis: Urea	
B.Sc.-I Practical			
06/12/2023	Physical Chemistry	To study the reaction between Potassium persulphate and Potassium iodide kinetically (equal concentration).	
13/12/2023		Preparation and standardization of HCl solution from the bulk	
20/12/2023	Organic Chemistry	Estimation of Aniline. (by Bromination method)	
27/12/2023		Estimation of Acetamide	

Class	No. of periods / Lectures					Action Taken
	Planed	Missed	Extra taken	Actual taken	Syllabus Remaining	
B. Sc. I	24	0	0	24	00 Lecture	Completed as per plan
B. Sc. II	16	0	0	16	00 Lecture	
B. Sc. III	41	0	0	41	00 Lecture	


 Dr. M.R. Kadam


PRINCIPAL
 Balasaheb Desai Collage
 Patan, Dist: Satara

