

Koyana Education Society's
Balasaheb Desai College, Patan
Department of Chemistry
Monthly Teaching Plan-Year-2023-2024

September – 2023

Semester – III & V

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

Dates	Unit	Sub unit	Teaching Method and Aids	
B.Sc.-II Theory			Teaching method Lecture, Inductive Deductive Discussion	
06/09/2023	Unit III: Corrosion and electroplating	Electroplating: Electrolysis, Faraday’s laws, Cathode current Efficiency		
07/09/2023		Basic principles of electroplating, cleaning of articles,		
13/09/2023				
14/09/2023				Electroplating of chromium
27/09/2023				Anodizing
B.Sc.-III Theory			Teaching Aids Computer LCD PPT Google Classroom YouTube	
04/09/2023	Unit 3. Colorimetry and Spectrophotometry	Theory, Lambert Beer’s law, deviation from Beer’s law.		
05/09/2023		Terms used, Classification of methods of ‘colour’ measurement or comparison.		
11/09/2023		Photoelectric colorimeter method–Single beam photo-electric colorimeter.		
12/09/2023		Spectrophotometer method–Single beam direct reading spectrophotometer.		
25/09/2023		Determination of unknown concentration by using concentration-absorbance plot, Applications		
B.Sc.-III Practical			Teaching Methods Lecture Demonstration Hands on training	
01/09/2023	Organic Chemistry	Estimation of sucrose		
05/09/2023				
08/09/2023		Saponification value of oil.		
12/09/2023				
15/09/2023				Picrate derivative (naphthalene and α-naphthol).
B.Sc.-I Practical			Teaching Aids Practical Handbook	
06/09/2023	Inorganic Chemistry	Spot Test: Identify the following metal ions by spot test method. Cu ²⁺ , Ni ²⁺ , Co ²⁺ , Fe ³⁺ , Al ³⁺ , Pb ²⁺ , Zn ²⁺ , Hg ⁺² , Mg ⁺² , Mn ⁺²		
13/09/2023		To standardize supplied EDTA solution by titrating with 0.01M ZnSO ₄ solution and to estimate amount of calcium from given solution by using Erio - T as an indicator		
B.Sc.-II Practical			Laboratory Equipment	
01/09/2023	Organic Chemistry	Estimation of acetone		
08/09/2023		Estimation of vitamin C		
15/09/2023		Estimation of Phenol by Bromination method		

Class	No. of periods / Lectures					Action Taken
	Planed	Missed	Extra taken	Actual taken	Syllabus Remaining	
B. Sc. I	08	0	0	08	00 Lecture	Completed as per plan
B. Sc. II	17	0	0	17	00 Lecture	
B. Sc. III	35	0	0	35	00 Lecture	



Dr. M.R. Kadam



PRINCIPAL
Balasaheb Desai Collage
Patan, Dist: Satara