

Khed Taluka Shikshan Prasarak Mandal's
Hutatma Rajguru Mahavidyalaya, Rajgurunagar
Affiliated to S. P. Pune University, Pune
NAAC Reaccredited "B++" Grade (CGPA 2.83), DST-FIST Recognized
college website: <https://www.hrmrajgurunagar.ac.in>, E-mail: hrmrajguru@yahoo.co.in,
ph. No. 02135222099
Department of Chemistry

Teaching Plan

Teacher Name: Prof. Dr. P. S. Kulkarni

Class: T. Y. B. Sc.

Sem.: V

Paper No.: CH510A

Paper Name: Introduction To Medicinal Chemistry

Total No. of Lectures Allotted: 36

Total N. of Lectures Taken: 36

Sr. No.	Chapter No.	Chapter Name	No. of Lectures Taken	Month
1	1	An Introduction to Drugs, Their Action and Immunobiologicals	9	July
2	2	Bio-physicochemical Properties in Drug Action and Design	8	July-Aug
3	3	Drugs for Infectious Diseases	12	Aug-Sep
4	4	Drugs for Non-infectious Diseases	8	Sep-Oct
			37	

P. S. Kulkarni

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Teaching Plan

Teacher Name: Prof. Dr. P. S. Kulkarni

Class: T. Y. B. Sc.

Sem.: VI

Paper No.: 509

Paper Name: Organic Chemistry Practical

Total No. of Lectures Allotted: 73 L

Total N. of Lectures Taken: 60 L

Sr. No.	Practical No.	Practical Name	No. of Lectures Taken	Month
1	1	Mixture No. 1	5	Jul
2	2	Mixture No. 2	5	Aug
3	3	Mixture No. 3	5	Aug
4	4	Mixture No. 4	5	Aug
5	5	Mixture No. 5	5	Aug
6	6	Mixture No. 6	5	Sep
7	7	Preparation of dibenzalpropanone from benzaldehyde and acetone using LiOH.H ₂ O/NaOH	5	Sep
8	8	Nitration of phenol or substituted phenols using CaNO ₃	5	Sep
9	9	Bromination of acetamide using ferric ammonium nitrate and KBr in aqueous medium	5	Oct
10	10	Glucosazone derivative of Glucose	5	Oct
11	11	Journal certification	5	Oct
12	12	Oral	5	Oct

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Teaching Plan

Teacher Name: Prof. Dr. P. S. Kulkarni

Class: S. Y. B. Sc.

Sem.: III

Paper No.: 303

Paper Name: Chemistry Practical

Total No. of Lectures Allotted: 73 L

Total N. of Lectures Taken: 60 L

Sr. No.	Practical No.	Practical Name	No. of Lectures Taken	Month
1	1	Mixture No. 1	5	Jul
2	2	Mixture No. 2	5	Aug
3	3	Preparation of benzoic acid from ethyl benzoate	5	Aug
4	4	Acetylation of primary amine	5	Aug
5	5	Estimation of Aspirin from a given tablet and find errors in quantitative analysis.	5	Aug
6	6	Determination of Hardness of water from given sample by complexometric titration (Using E.D.T.A.) method and total dissolved solids by conductometry. Express your results as average \pm standard deviation	5	Sep
7	7	Estimation of Fe(III) from given solution by converting it to Fe(II) using Zn metal and then by titrating with standard solution of $K_2Cr_2O_7$ -A Green Approach	5	Sep
8	8	To Study the Acid catalysed hydrolysis of an ester (methyl Acetate) and determine the rate constant (k). (first order reaction)	5	Sep
9	9	To compare the relative strength of HCl and H_2SO_4 or HNO_3 by studying the kinetics of hydrolysis of methyl acetate.	5	Sep
10	10	Separation and Identification of metal ions by Paper Chromatography	5	Oct
11	11	Journal certification	5	Oct
12	12	Oral	5	Oct

P. S. Kulkarni