Khed Taluka Shikshan Prasarak Mandal's

Mandal's Hutatma Rajguru Mahavidyalaya Rajgurunagar

Affiliated to S.P.Pune University, Pune

NAAC Reaccreditted"B++" Grade(CGPA 2083), DST-FIST Recognized

Collge website: https://www.hrmrajgurunagar.ac.in, E-mail: hrmrajguru@yahoo.co.in,

Ph.No. 02135222099

Department of Chemistry

Teaching Plan 2024-25

Teacher Name : Dr. S.P. Jadhav
Class: F.Y.B.Sc.
Paper No.: SEC -101- CHE
Sem: I
Paper Name: Skill Enhancement Course
Total No.: of Lectures taken: 24

Sr. No.	Chapter No.	Chapter name	No. Of Lectures Taken	Month
1	1	Introduction of Chemical and Laboratory Safety	03	July
2	2	Understanding Laboratory Hazards	04	July /August
3	3	Laboratory Hazards and Responses	08	August /September
4	4	Handling Chemicals and Minimizing Hazards in Laboratory	06	September/October
5	5	Case Studies of Chemical and Laboratory Accidents	03	October

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Department of Chemistry

Syllabus Completion Report 2024-25

Teacher Name : Dr. S.P. Jadhav
Class: T.Y.B.Sc.
Sem: V
Paper No.: I (CH-501)
Paper Name: Physical Chemistry-I
Total No.: of Lectures Allotted: 36
Total No.: of Lectures taken: 36

Sr. No.	Chapter No.	Chapter name	No. of Lectures taken	Month
1	1	Quantum Chemistry	10	July
2	2	Investigation of Molecular Structure	16	August/September
3	3	Photochemistry	10	September/ October

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Department of Chemistry

Syllabus Completion Report 2024-25

Teacher Name : Dr. S.P. Jadhav
Class: S.Y.B.Sc.
Sem: III
Paper No.: I (CH-301)
Paper Name: Physical & analytical Chemistry-I
Total No.: of Lectures Allotted: 36
Total No.: of Lectures taken: 36

Sr. No.	Chapter No.	Chapter name	No. of Lectures taken	Month
1	1	Chemical Kinetics	10	June
2	2	Surface Chemistry	14	June /July
3	3	Errors in Quantitative Analysis	02	August/September
4	4	Volumetric analysis	10	September/ October

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Department of Chemistry

Syllabus Completion Report 2024-25

Teacher Name : Dr. S.P. Jadhav
Class: F.Y.B.Sc.
Paper No.: CHE-102-P
Sem: I
Paper Name: CHE-102-P: Chemistry Practical -I
Total No.: Practicals taken: 10
Batch- B1, B2, B3

Sr. No.	Name of the Practical	Month	No. of Lectures Taken
1	Estimation of aspirin from given tablet and find error in qualitative analysis	29/07/2024 30/07/2024 31/07/2024	05 x 3 =15
2	Balancing of chemical equation using titration data between Oxalic acid and KMnO4	01/08/2024 02/08/2024 05/08/2024	05 x 3 =15
3	Estimation of hardness of water by EDTA method	07/08/2024 08/08/2024 12/08/2024	05 x 3 =15
4	Organic Qualitative Analysis 1	13/08/2024 14/08/2024 16/08/2024	05 x 3 =15
5	Organic Qualitative Analysis 2	20/08/2024 21/08/2024 22/08/2024	05 x 3 =15
6	Organic Qualitative Analysis 3	26/08/2024 27/08/2024 28/08/2024	05 x 3 =15
7	Synthesis of potash alum from aluminium metal (scrap Aluminium metal) and qualitative test for anion and cation	03/09/2024 04/09/2024 09/09/2024	05 x 3 =15
8	Synthesis of Mohr's Salt [(FeSO4)(NH4)2SO4]•6H2O and qualitative test for anion and cation.	12/09/2024 18/09/2024 24/09/2024	05 x 3 =15
9	Preparation of Dark red inorganic pigment: Cu2O and qualitative test for cation.	27/09/2024 30/09/2024 01/10/2024	05 x 3 =15
10	Preparation of semicarbazone derivative of aldehyde and ketone and purity by TLC	03/10/2024 04/10/2024 07/10/2024	05 x 3 =15