

Khed Taluka Shikshan Prasarak Mandal's  
**Mandal's Hutatma Rajguru Mahavidyalaya Rajgurunagar**

**Affiliated to S.P.Pune University, Pune**

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

*College website: <https://www.hrmrajgurunagar.ac.in>, E-mail: [hrmrajguru@yahoo.co.in](mailto:hrmrajguru@yahoo.co.in),*

*Ph.No. 02135222099*

**Department of Chemistry**

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**Teaching Plan 2024-25**

**Teacher Name :** Dr. S.P. Jadhav

**Class:** S.Y.B.Sc.

**Paper No.:** I (CH-301)

**Sem:** I

**Paper Name:** Physical and Analytical Chemistry

**Total No. of Lectures:** 36

<b>Sr. No.</b>	<b>Chapter No.</b>	<b>Chapter name</b>	<b>No. of Lectures</b>	<b>Month</b>
1	1	Chemical Kinetics	12	June-July
2	2	Surface Chemistry	06	July
3	3	Errors in Quantitative Analysis	05	August-September
4	4	Volumetric Analysis	13	September-October

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**Teaching Plan 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: 36

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

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**Teaching Plan 2024-25**

**Teacher Name :** Dr. S. P.Jadhav

**Class:** T.Y.B.Sc.

**Sem:** VI

**Paper No.:** (CH-601)

**Paper Name:** Physical Chemistry-II

**Total No.:** of Lectures Allotted: 36

<b>Sr. No.</b>	<b>Chapter No.</b>	<b>Chapter name</b>	<b>No. of Lectures Allotted</b>	<b>Month</b>
1	1	Electrochemical Cells	16	March
2	2	Crystal Structure	10	April
3	3	Nuclear Chemistry	10	May

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**Teaching Plan 2024-25**

**Teacher Name :** Dr. S. P.Jadhav

**Class:** T.Y.B.Sc.

**Sem:** VI

**Paper No.:** (CH-602)

**Paper Name:** Physical Chemistry-III

**Total No.:** of Lectures Allotted: 36

<b>Sr. No.</b>	<b>Chapter No.</b>	<b>Chapter name</b>	<b>No. of Lectures Allotted</b>	<b>Month</b>
1	1	Electrochemical Cells	16	March
2	2	Crystal Structure	10	April
3	3	Nuclear Chemistry	10	May

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**Teaching Plan 2024-25**

**Teacher Name :** Dr. S. P.Jadhav

**Class:** F.Y.B.Sc.

**Sem:** II

**Paper No.:** SEC-151-CHE (A)-T:

**Paper Name:** Chemistry Laboratory Skills – II

**Total No.:** of Lectures Allotted: 30

Sr. No.	Chapter No.	Chapter name	No. of Lectures Allotted	Month
1	1	Laboratory Reagents and Solvents	08	December
2	2	Preparation and Standardization of Solutions	02	January
3	3	Common Laboratory Techniques	06	February
4	4	Instruments, Equipment and apparatus handling	08	February
5	5	Stock and Inventory Control	02	March
6	6	Files and Records	04	March

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**Teaching Plan 2024-25**

**Teacher Name:** Dr. S.P. Jadhav

**Class:** F.Y.B.Sc.

**Paper No.:** SEC -101- CHE II

**Sem:** II

**Paper Name:** Skill Enhancement Course

**Total No.:** of Lectures Allotted: 30

<b>Sr. No.</b>	<b>Chapter No.</b>	<b>Chapter name</b>	<b>No. of Lectures Allotted</b>	<b>Month</b>
1	1	Laboratory Reagents and Solvents	04	December
2	2	Preparation and Standardization of Solutions	06	January
3	3	Common Laboratory Techniques	08	February
4	4	Instruments, Equipment and apparatus handling	06	February
5	5	Stock and Inventory Control	03	March
6	6	Files and Records	03	March

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**Teaching Plan 2024-25**

**Teacher Name :** Dr. S.P. Jadhav

**Class:** T.Y.B.Sc.

**Sem:** VI

**Paper No.:** I (CH-601)

**Paper Name:** Physical Chemistry-I

**Total No.:** of Lectures Allotted: 36

<b>Sr. No.</b>	<b>Chapter No.</b>	<b>Chapter name</b>	<b>No. of Lectures Allotted</b>	<b>Month</b>
1	1	Electrochemical Cell	13	Dec.-Jan
2	2	Crystal Structures	13	Jan-Feb
3	3	Nuclear Chemistry	10	March

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**Teaching Plan 2024-25**

**Teacher Name :** Dr. S.P. Jadhav

**Class:** S.Y.B.Sc.

**Sem:** IV

**Paper No.:** I (CH-401)

**Paper Name:** Physical & analytical Chemistry-I

**Total No.:** of Lectures Allotted: 36

Sr. No.	Chapter No.	Chapter name	No. of Lectures Allotted	Month
1	1	Phase Equilibrium	06	January-February
2	2	Ideal and Real Solutions	06	February
3	3	Conductometry	06	March
4	4	Colorimetry	09	March
5	5	Column Chromatography	09	April