



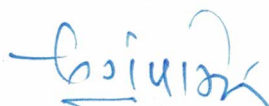
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)
Department of Chemistry & Analytical Chemistry
Structured Work Plan for Teaching (Odd Semester)
Academic Year 2025-26

Details of Classes to be taught:

| Sr. No. | Name of Professor | Subject | Class | Course Type | Course Title | Course Code | Total Hours |
|---------|----------------------|-----------|---------|-------------|------------------------|-------------|-------------|
| 1 | Mr. Vasant M. Dhumal | Chemistry | B.Sc. I | DSC-I | Inorganic Chemistry -I | 101CHE1101 | 45 |

| Sr. No. | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|---|----------------------|-----------------|-------------------------------------|--|
| 1 | Unit -I Elements and the Periodic Table | 10/07/25 To 31/07/25 | 10 | Assignment | CAT -I |
| 2 | Unit -II S & P Block | 01/08/25 To 23/08/25 | 10 | Seminar | CAT-II |
| 3 | Unit -III D Block Elements | 28/08/25 To 18/09/25 | 10 | Class Test | CAT-III |
| 4 | Unit -IV Chemical Bonding and Acid Base Theory | 19/09/25 To 17/10/25 | 15 | - | - |


Teacher


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Head
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Principal



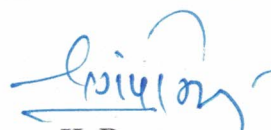
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|---------|----------------------|-----------|----------|-------------|------------------------|-------------|-------------|
| 1 | Mr. Vasant M. Dhumal | Chemistry | B.Sc. II | DSC-VI | Inorganic Chemistry-II | 201CHE3102 | 45 |

| Sr. No. | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|---|--------------------------|-----------------|-------------------------------------|--|
| 1 | Unit -I Coordination Chemistry I | 23/06/2025 To 14/07/2025 | 10 | Assignment | CAT -I |
| 2 | Unit -II Coordination Chemistry II | 15/07/2025 To 18/08/2025 | 15 | Seminar | CAT-II |
| 3 | Unit -III Molecular Orbital Theory | 19/08/2025 To 16/09/2025 | 10 | Surprise Test | CAT-III |
| 4 | Unit -IV Concept of Hybridisation and VSEPR Theory | 17/09/2025 To 15/10/2025 | 10 | - | |


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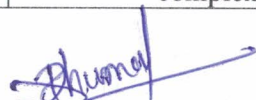


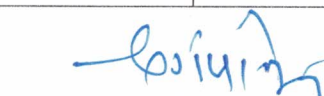
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Details of Classes to be taught:

| Sr. No. | Name of Professor | Subject | Class | Course Type | Course Title | Course Code | Total Hours |
|---------|----------------------|-----------|---------|-------------|-----------------------|-------------|-------------|
| 1 | Mr. Vasant M. Dhumal | Chemistry | M.Sc. I | MMC I | Inorganic Chemistry-I | 601CHE1101 | 45 |

| Sr. No. | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|---|--------------------------|-----------------|-------------------------------------|--|
| 1 | Unit –I Inorganic Reaction Mechanism – I | 14/07/2025 To 06/08/2025 | 12 | Assignment | CAT -I |
| 2 | Unit -II Inorganic Reaction Mechanism – II | 11/08/2025 To 03/09/2025 | 11 | Seminar | CAT-II |
| 3 | Unit –III Spectral properties of metal complexes | 08/09/2025 To 30/09/2025 | 11 | Surprise Test | CAT-III |
| 4 | Unit –IV Magnetic Properties of metal complexes | 01/10/2025 To 17/10/2025 | 11 | - | |


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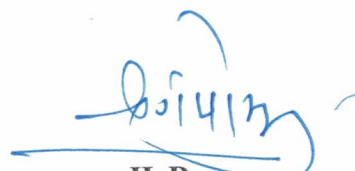
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Academic Year 2025-26

Details of Classes to be taught:

| Sr. No. | Name of Professor | Subject | Class | Course Type | Course Title | Course Code | Total Hours |
|---------|----------------------|-----------|---------|-------------|--------------------------------|-------------|-------------|
| 1 | Mr. Vasant M. Dhumal | Chemistry | B.Sc. I | SEC-I | Pesticides and Green Chemistry | 101CHE1601 | 30 |

| Sr. No. | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|------------------------------------|-----------------------------|-----------------|-------------------------------------|--|
| 1 | Unit –I Chemistry of Pesticides | 18.07.2025 To 12.09.2025 | 10 | Group Discussion | CAT-I |
| 2 | Unit –II Green Chemistry | 19.09.2025 To 17.10.2025 | 05 | Seminar | CAT-II CAT-III |


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Department of Chemistry & Analytical Chemistry
Structured Work Plan for Teaching (Even Semester)
Academic Year 2025-26



Details of Classes to be taught:

w.e.f:01/12/2025

| Sr. No. | Name of Professor | Subject | Class | Course Type | Course Title | Course Code | Total Hours | Credit |
|---------|----------------------------|-----------|---------|-------------|--------------------------|-------------|-------------|--------|
| 1 | Mr. Vasant Madanrao Dhumal | Chemistry | B.Sc. I | DSC-IV | Inorganic Chemistry - II | 101CHE2102 | 45 | 03 |

| Sr. No. | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|--|----------------------------|-----------------|-------------------------------------|--|
| 1 | Unit -I Principles involved in volumetric Analysis | 04/12/25 to 26/12/25 | 10 | Assignment | CAT -I |
| 2 | Unit -II Principles involved in gravimetric analysis | 27/12/25 to 17/01/26 | 10 | Seminar | CAT-II |
| 3 | Unit - III Chemistry of Noble Gases | 22/01/26 to 12/02/26 | 10 | MCQ Test | CAT-III |
| 4 | Unit IV Chemical Bonding and Acid Base Theory | 13/02/26 to 27/03/26 | 15 | - | |

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Academic Year 2025-26



w.e.f:01/12/2025

Details of Classes to be taught:

| Sr. No. | Name of Professor | Subject | Class | Course Type | Course Title | Course Code | Total Hours | Credit |
|---------|----------------------------|-----------|---------|-------------|------------------------|-------------|-------------|--------|
| 1 | Mr. Vasant Madanrao Dhumal | Chemistry | M.Sc. I | MMC-IV | Inorganic Chemistry-II | 601CHE2101 | 45 | 03 |

| Sr. No. | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|---|-----------------------------|-----------------|-------------------------------------|--|
| 1 | Unit –I Bio inorganic Chemistry | 01/12/2025 to 23/12/2025 | 11 | Assignment | CAT-I |
| 2 | Unit –II Inorganic Spectroscopy | 24/12/2025 to 20/01/2026 | 11 | Seminar | CAT-II |
| 3 | Unit –III Chemistry of Main group elements | 21/01/2026 to 18/02/2026 | 12 | MCQ Test | CAT-III |
| 4 | Unit –IV Organometallics & Solid state Chemistry | 23/02/2026 to 24/03/2026 | 11 | Surprise Test | |

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Details of Classes to be taught:

w.e.f:01/12/2025

| Sr. No. | Name of Professor | Subject | Class | Course Type | Course Title | Course Code | Total Hours | Credit |
|---------|----------------------------|-----------|---------|-------------|--------------------------------|-------------|-------------|--------|
| 1 | Mr. Vasant Madanrao Dhumal | Chemistry | B.Sc. I | SEC | Pesticides and Green Chemistry | 101CHE2601 | 15 | 01 |

| Sr. No. | Unit and Chapter to be Covered | Date | No. of Lectures | Academic activities to be organized | No. of Test / Assignment with topic and date |
|---------|------------------------------------|-----------------------------|-----------------|-------------------------------------|--|
| 1 | Unit -I Chemistry of Pesticides | 05/12/2025 to 09/01/2026 | 5 | Group Discussion | CAT-I |
| 2 | Unit -II Green Chemistry | 16/01/2026 to 27/03/2026 | 10 | Seminar | CAT-II CAT-III |


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