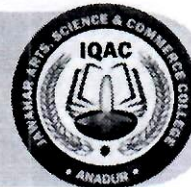




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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plan, Academic Year 2021 - 22, Department of Chemistry
 Name of Teacher: Dr. Mane V.G.
 Subject: Chemistry (Inorganic), Class: B.Sc-I, Total Period.: 45
 Semester: I, Name of Paper: Inorganic, Paper No.: I

| Sr.No. | Month | Total Periods In Month | Name of Chapter /Unit | Teaching Method Use | Remark |
|--------|----------------------|------------------------|-----------------------|------------------------|--------|
| | Sept Sept | 04 | Atomic structure | Discussion | |
| | Oct | 11 | Atomic structure | Demonstration | |
| | Nov. | 10 | Periodic Properties. | PPT | |
| | Dec. | 10 | S-Block Elements. | Seminars | |
| | Jan | 10 | P-Block Elements | Question Answer method | |
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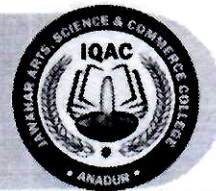
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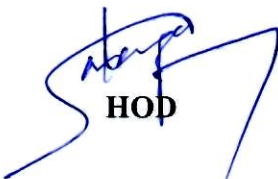


INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plan, Academic Year 2021 - 22, Department of chemistry
 Name of Teacher: Dr. Pachpande A. M.
 Subject: chemistry (organic), Class: B.Sc-I, Total Period. : 45
 Semester: I, Name of Paper: Organic, Paper No. : II

| Sr.No. | Month | Total Periods In Month | Name of Chapter /Unit | Teaching Method Use | Remark |
|--------|-----------|------------------------|-----------------------------------|----------------------------------|--------|
| 1 | September | | Admission process | Lecture method with giving notes | |
| 2 | October | 12 | 1) Structure & Bonding | 06 | |
| | | | 2) Mechanism of organic Reactions | 06 | |
| 3 | November | 08 | 2) Mechanism of organic Reactions | 04 | |
| | | | 3) Stereochemistry | 04 | |
| 4 | December | 12 | 3) Stereochemistry | 06 | |
| | | | 5) Alkenes | 06 | |
| 5 | January | 11 | 4) Alkanes | 04 | |
| | | | 6) Arenes & Aromaticity | 05 | |
| | | | 7) Alkyl & Aryl halides | 02 | |
| 6 | February | | 7) Alkyl & Aryl halides | 02 | |
| | | | Revision & Sem Exam | | |


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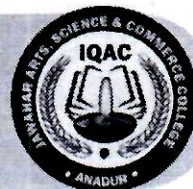

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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plan, Academic Year 2021 - 22, Department of Chemistry


Name of Teacher: Dr. Pachpande A. M.

Subject: Chemistry, Class: B.Sc-II, Total Period.: 45

Semester: III, Name of Paper: Physical Chemistry
organic, Paper No.: ~~XI~~ VII

| Sr.No. | Month | Total Periods In Month | Name of Chapter /Unit | Teaching Method Use | Remark |
|--------|-----------|------------------------|---|---------------------------|--------|
| | September | | Admission Process | Lecture with giving notes | |
| 2 | October | 12 | Structure & Bonding 1) Alcohols 2) phenol | 06 06 | |
| 3 | November | 08 | 3) Aldehydes & ketones | 08 | |
| 4 | December | 13 | 3) Aldehydes & ketones 4) carboxylic acids 5) organic compounds of Nitrogen | 02 09 02 | |
| 5 | January | 12 | 5) organic compounds of Nitrogen | 12 | |
| 6 | February | | Revision & semester Exam | | |


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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plan, Academic Year 2021 - 22, Department of Chemistry
 Name of Teacher: Dr. Mane V. G.
 Subject: Chemistry, Class: B.Sc-III, Total Period.: 45
 Semester: VI, Name of Paper: Inorganic, Paper No.: XVI

| Sr.No. | Month | Total Periods In Month | Name of Chapter /Unit | Teaching Method Use | Remark |
|--------|-------|------------------------|---|---------------------|--------|
| | Feb. | 12 | Metal ligand Bonding in transition Metal Complexes. | Discussion | |
| | March | 07 | Electron spectra of Transition Metal Complexes. | Questions Answer | |
| | March | 05 | Organometallic chem. | method | |
| | April | 05 | Organometallic Chemistry | PPT. seminar | |
| | April | 07 | Bioinorganic Chemistry | | |
| | May | 03 | Bioinorganic Chemistry | | |
| | May | 06 | Chromatography | | |
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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plan, Academic Year 2021 - 22, Department of Chemistry
 Name of Teacher: Dr. Galkwas Dhanyoj Nasendra/Dr. Avinash Patil
 Subject: Chemistry, Class: B.Sc. -II, Total Period.: 45
 Semester: IV, Name of Paper: Physical Chemistry, Paper No.: XI

| Sr.No. | Month | Total Periods In Month | Name of Chapter /Unit | Teaching Method Use | Remark |
|--------|-------------------------------|------------------------|------------------------------|------------------------|--------|
| 1. | <u>Dec</u> <u>March</u> | <u>02</u> | <u>Phase Equilibrium</u> | <u>Demonstration</u> | |
| 2. | <u>Jan</u> <u>March</u> | <u>12</u> | <u>Phase Equilibrium</u> | <u>Discussion</u> | |
| 3. | <u>Feb</u> <u>April</u> | <u>09</u> | <u>Electrochemistry - I</u> | <u>PPT</u> | |
| 4. | <u>March</u> <u>April</u> | <u>06</u> | <u>Electrochemistry - I</u> | <u>Question Answer</u> | |
| 5. | <u>April</u> <u>May</u> | <u>06</u> | <u>Electrochemistry - II</u> | <u>Method</u> | |
| 6. | <u>May</u> <u>May/June</u> | <u>10</u> | <u>Electrochemistry - II</u> | | |
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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plan, Academic Year 2021 - 22, Department of Chemistry
 Name of Teacher: Dr. M. M. Lengade
 Subject: Chemistry, Class: B.Sc. - III, Total Period.: 45
 Semester: VI, Name of Paper: Organic Chemistry, Paper No.: XVII

| Sr.No. | Month | Total Periods In Month | Name of Chapter /Unit | Teaching Method Use | Remark |
|--------|-------------------------------|------------------------|------------------------|---------------------|--------|
| 1 | Dec. March | 08 | Heterocyclic Compounds | Demonstration | |
| 2 | Jan March | 05 | Heterocyclic Compounds | Discussion | |
| 3 | Feb April | 06 | Carbohydrates | Ppt. | |
| 4 | March April | 04 | Carbohydrates | Seminar | |
| 5 | March April/May | 07 | Synthetic Polymers | Answers Method. | |
| 6 | April May | 12 | Synthetic Drugs & Dyes | | |
| 7 | May June | 03 | Synthetic Dyes & Drugs | | |
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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plan, Academic Year 2021 - 22, Department of Chemistry

Name of Teacher: Dr. Dayanand A. Kumbhar

Subject: Chemistry, Class: B.Sc - II, Total Period. : 45

Semester: IV, Name of Paper: Inorganic, Paper No. : X

| Sr.No. | Month | Total Periods In Month | Name of Chapter /Unit | Teaching Method Use | Remark |
|--------|---------------------------------|------------------------|--|------------------------|--------|
| 1. | <u>Dec</u> <u>March</u> | 10 | <u>Chemistry of Elements of First Transition series.</u> | <u>Demonstration</u> | |
| 2. | <u>Dec.</u> <u>March</u> | 02 | <u>Coordination Compounds</u> | <u>Discussion</u> | |
| 3. | <u>Jan.</u> <u>April</u> | 08 | <u>Coordination Compounds</u> | <u>Seminar</u> | |
| 4. | <u>Feb.</u> <u>April</u> | 06 | <u>Chemistry of lanthanides.</u> | <u>Question Answer</u> | |
| 5. | <u>Feb.</u> <u>April</u> | 05 | <u>Chemistry of Actinides</u> | <u>Method.</u> | |
| 6. | <u>March</u> <u>may</u> | 06 | <u>Acids & Bases.</u> | | |
| 7. | <u>March.</u> <u>may</u> | 06 | <u>Non Aqueous solutions</u> | | |
| 8. | <u>April</u> <u>may/june</u> | 02 | <u>Non Aqueous solutions</u> | | |
| 9. | <u>April.</u> <u>June</u> | 08 | <u>Revision All chapters</u> | | |
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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plan, Academic Year 2021 - 22, Department of Chemistry


Name of Teacher: Parvinder A. Kumbhar


Subject: Chemistry (Inorganic) Class: B.Sc. -I, Total Period: 45

Semester: II, Name of Paper: Inorganic, Paper No.: IV

| Sr.No. | Month | Total Periods In Month | Name of Chapter /Unit | Teaching Method Use | Remark |
|--------|-----------------|------------------------|-------------------------------|---------------------|--------|
| 1 | Dec march | 05 | Chemistry of Noble Gases | Discussion | |
| 2 | Dec. march | 07 | Chemical Bonding | Powerpoint | |
| 3 | Jan. April | 08 | Chemical Bonding. | Lectures ppt. | |
| 4 | Feb. April | 05 | Chemical Bonding | Question Answer | |
| 5 | March may | 07 | Nuclear Chemistry | Method. | |
| 6 | April may | 03 | Nuclear Chemistry | Seminar | |
| 7 | May may/June | 09 | Theory of Volumetric Analysis | | |
| 8 | June. | 01 | Theory of Volumetric Analysis | | |
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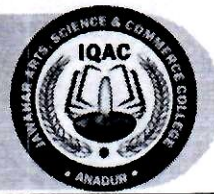

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Annual/Semester Teaching Plan, Academic Year 2021 - 22, Department of Chemistry

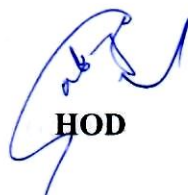
Name of Teacher: Dr. Arinash Patil

Subject: Chemistry (Physical), Class: B.Sc. - I, Total Period.: 50

Semester: II, Name of Paper: Physical, Paper No.: IV

| Sr.No. | Month | Total Periods In Month | Name of Chapter /Unit | Teaching Method Use | Remark |
|--------|---------------|------------------------|----------------------------------|-------------------------------|--------|
| 1 | Dec. March | 04 | Mathematical Concept | Demonstration | |
| 2 | Jan, March | 08 | Gaseous state | Discussion ppt | |
| 3 | Jan April | 08 | Liquid state | Question Answer method. | |
| 4 | Feb April | 08 | Solid state | Seminar | |
| 5 | March May | 04 | Colloidal state | | |
| 6 | April May | 04 | Colloidal state | | |
| 7 | April May | 08 | Chemical Kinetics & Catalysts | | |
| 8 | May June | 06 | Chemical Kinetics & Catalysts | | |
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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plan, Academic Year 2021 - 22, Department of Chemistry
 Name of Teacher: Dr. Giddewar Dhanyajit Madendra
 Subject: Chemistry, Class: B.Sc - II, Total Period: 45
 Semester: III, Name of Paper: Physical Chemistry, Paper No.: VIII

| Sr.No. | Month | Total Periods In Month | Name of Chapter /Unit | Teaching Method Use | Remark |
|--------|-------|------------------------|------------------------|-------------------------|--------|
| 1 | Sept | 06 | Thermodynamics - I | Demonstration | |
| 2 | Oct. | 10 | Thermodynamics - I | Discussion | |
| 3 | Nov. | 04 | Thermodynamics - II | PPT | |
| 4 | Dec. | 08 | Thermodynamics - II | Question Answer method. | |
| 5 | Dec. | 04 | Chemical Equilibrium | Seminar. | |
| 6 | Jan | 06 | Chemical Equilibrium | | |
| 7 | Jan | 06 | Revision All Chapters. | | |
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Giddewar Dhanyajit Madendra
Teacher

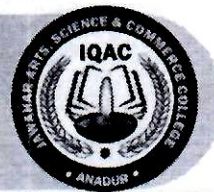
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INTERNAL QUALITY ASSURANCE CELL

Annual/Semester Teaching Plan, Academic Year 2021 - 22, Department of Chemistry
 Name of Teacher: Dr. M. M. Langa
 Subject: Chemistry, Class: B.Sc. - III, Total Period: 45
 Semester: IV, Name of Paper: Organic Chemistry, Paper No.: XIV

| Sr.No. | Month | Total Periods In Month | Name of Chapter /Unit | Teaching Method Use | Remark |
|--------|-------|------------------------|-----------------------------|---------------------|--------|
| 1. | Oct | 12 | spectroscopy | Demonstration | |
| 2. | Nov. | 04 | spectroscopy | Discussion | |
| 3. | Nov. | 04 | Organometallic Compounds. | Question Answer | |
| 4. | Dec. | 04 | Organometallic Compounds | Methods | |
| 5. | Dec. | 08 | Org. Synthesis via Enolates | Ppt. | |
| 6. | Jan | 05 | Org. synthesis via Enolates | | |
| 7. | Jan. | 07 | Fats Oils & Detergents | | |
| 8. | Feb | 01 | Fats, oils & Detergents | | |
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