**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Odd Semester (For Ongoing Classes UG-PG)**

**Session (2022-2023)**

**Class: B.Sc IIIrd Year Name of the Teacher: Dr. Deepika Kansal**

**( Sec A & B )**

**Subject: Physical and Organic Chemistry Period: 5th**

**Paper: B and C Room No: 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Introduction to Photochemistry |
| Week 2 | 16-08-2022 to 20-08-2022 | Introduction to Photochemistry |
| Week 3 | 22-08-2022 to 27-08-2022 | Laws of Photochemistry |
| Week 4 | 29-08-2022 to 03-09-2022 | Laws of Photochemistry |
| Week 5 | 05-09-2022 to 10-09-2022 | Quantum Efficiency |
| Week 6 | 12-09-2022 to 17-09-2022 | Quantum Efficiency |
| Week 7 | 19-09-2022 to 24-09-2022 | Jablonski Diagram |
| Week 8 | 26-09-2022 to 01-10-2022 | Jablonski Diagram |
| Week 9 | 03-10-2022 to 08-10-2022 | Stern Volmer Equation |
| Week 10 | 10-10-2022 to 15-10-2022 | Stern Volmer Equation |
| Week 11 | 17-10-2022 to 22-10-2022 | Revision & Tests |
| Week 12 | 25-10-2022 to 27-10-2022 | Revision & Tests |
| **Mid semester exams (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Inorganic Metal Complexes |
| Week 14 | 07-11-2022 to 12-11-2022 | Inorganic Metal Complexes |
| Week 15 | 14-11-2022 to 19-11-2022 |  |
| Week 16 | 21-11-2022 to 25-11-2022 |  |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Odd Semester (For Ongoing Classes UG)**

**Session (2022-2023)**

**Class: B.Sc IInd Year Name of the Teacher: Seema Gupta**

**Subject: Organic Chemistry Period : 3rd**

**Paper : B Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Alcohols (Session A & Session B) |
| Week 2 | 16-08-2022 to 20-08-2022 | Alcohols (Session A & Session B) |
| Week 3 | 22-08-2022 to 27-08-2022 | Phenols (Session A & Session B) |
| Week 4 | 29-08-2022 to 03-09-2022 | Phenols (Session A & Session B) |
| Week 5 | 05-09-2022 to 10-09-2022 | Revision and Tests (Session A & Session B) |
| Week 6 | 12-09-2022 to 17-09-2022 | Aldehydes and Ketones Part 1 (Session A & Session B) |
| Week 7 | 19-09-2022 to 24-09-2022 | Aldehydes and Ketones Part 1 (Session A & Session B) |
| Week 8 | 26-09-2022 to 01-10-2022 | Revision and Tests (Session A & Session B) |
| Week 9 | 03-10-2022 to 08-10-2022 | Aldehydes and Ketones Part II (Session A & Session B) |
| Week 10 | 10-10-2022 to 15-10-2022 | Aldehydes and Ketones Part II (Session A & Session B) |
| Week 11 | 17-10-2022 to 22-10-2022 | Aldehydes and Ketones Part II (Session A & Session B) |
| Week 12 | 25-10-2022 to 27-10-2022 | Revision and Tests (Session A & Session B) |
| **Mid Semester Exam (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Carboxylic Acids (Session A & Session B) |
| Week 14 | 07-11-2022 to 12-11-2022 | Halo and Hydroxy Carboxylic Acids (Session A & Session B) |
| Week 15 | 14-11-2022 to 19-11-2022 | Unsaturated and Di-Carboxylic Acids (Session A & Session B) |
| Week 16 | 21-11-2022 to 25-11-2022 | Revision and Tests (Session A & Session B) |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Odd Semester (For Ongoing Classes UG-PG)**

**Session (2022-2023)**

**Class: B.Sc IInd Year Name of the Teacher: Puneet Jyoti**

**Subject: Physical Chemistry Period : 1st**

**Paper : C Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Liquid state and liquid crystals (Session A & Session B) |
| Week 2 | 16-08-2022 to 20-08-2022 | Liquid state and liquid crystals (Session A & Session B) |
| Week 3 | 22-08-2022 to 27-08-2022 | Liquid state and liquid crystals (Session A & Session B) |
| Week 4 | 29-08-2022 to 03-09-2022 | Chemical Equilibrium (Session A & Session B) |
| Week 5 | 05-09-2022 to 10-09-2022 | Chemical Equilibrium (Session A & Session B) |
| Week 6 | 12-09-2022 to 17-09-2022 | Chemical Equilibrium (Session A & Session B) |
| Week 7 | 19-09-2022 to 24-09-2022 | Thermodynamics II (Session A & Session B) |
| Week 8 | 26-09-2022 to 01-10-2022 | Thermodynamics II (Session A & Session B) |
| Week 9 | 03-10-2022 to 08-10-2022 | Thermodynamics II (Session A & Session B) |
| Week 10 | 10-10-2022 to 15-10-2022 | Thermodynamics II (Session A & Session B) |
| Week 11 | 17-10-2022 to 22-10-2022 | Thermodynamics III (Session A & Session B) |
| Week 12 | 25-10-2022 to 27-10-2022 | Thermodynamics III (Session A & Session B) |
| **Mid Semester Exam (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Thermodynamics III (Session A & Session B) |
| Week 14 | 07-11-2022 to 12-11-2022 | Thermodynamics III (Session A & Session B) |
| Week 15 | 14-11-2022 to 19-11-2022 | Revision and Tests (Session A & Session B) |
| Week 16 | 21-11-2022 to 25-11-2022 | Revision and Tests (Session A & Session B) |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Odd Semester (For Ongoing Classes UG)**

**Session (2022-2023)**

**Class: B.Sc IIInd Year Name of the Teacher: Rajendra Swain**

**Subject: Organic Chemistry & Period: 2nd**

**Inorganic Chemistry Room No: 129 (Mon- Wed) &**

**Paper: A & B 221 (Thur- Sat)**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Carbohydrates, Section-A |
| Week 2 | 16-08-2022 to 20-08-2022 | Carbohydrates, Section-B |
| Week 3 | 22-08-2022 to 27-08-2022 | Ultraviolet Spectroscopy, Section-A |
| Week 4 | 29-08-2022 to 03-09-2022 | Ultraviolet Spectroscopy, Section-B |
| Week 5 | 05-09-2022 to 10-09-2022 | Infrared Spectroscopy, Section-A |
| Week 6 | 12-09-2022 to 17-09-2022 | Infrared Spectroscopy, Section-B |
| Week 7 | 19-09-2022 to 24-09-2022 | Nuclear Magnetic Resonance Spectroscopy, Section-A |
| Week 8 | 26-09-2022 to 01-10-2022 | Nuclear Magnetic Resonance Spectroscopy, Section-B |
| Week 9 | 03-10-2022 to 08-10-2022 | Organometallic Chemistry, Nomenclature, Classification ,preparations, properties, bonding and applications of alkyl and aryl of Li, Al and Hg. Sec-A |
| Week 10 | 10-10-2022 to 15-10-2022 | Organ metallic Chemistry, Nomenclature, Classification ,preparations, properties, bonding and applications of alkyl and aryl of Li, Al and Hg. Sec-B |
| Week 11 | 17-10-2022 to 22-10-2022 | Preparations, properties, bonding and applications of alkyl and aryl of Sn and Ti. Metal ethylene complex, homogeneous hydrogenation and bonding in metal carbonyls. Sec-A |
| Week 12 | 25-10-2022 to 27-10-2022 | Preparations, properties, bonding and applications of alkyl and aryl of Sn and Ti. Metal ethylene complex, homogeneous hydrogenation and bonding in metal carbonyls. Sec-B |
| **Mid Semester Exam (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Bioinorganic Chemistry, Sec-A |
| Week 14 | 07-11-2022 to 12-11-2022 | Bioinorganic Chemistry,Sec-B |
| Week 15 | 14-11-2022 to 19-11-2022 | Revision of section A |
| Week 16 | 21-11-2022 to 25-11-2022 | Revision of section B |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan OddSemester (For Ongoing Classes UG-PG)**

**Session (2022-2023)**

**Class: BSc III Semester 5**   **Name of the Teacher: Dr Gurpreet Kaur**

**Subject: Physical Chemistry Period : 5th**

**Paper : C Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Introduction to Quantum Mechanics-I- Section A & B |
| Week 2 | 16-08-2022 to 20-08-2022 | Black body & its spectral distribution- Section A & B |
| Week 3 | 22-08-2022 to 27-08-2022 | Planck’s Radiation Law, Compton effect, Photoelectric Effect- Section A & B |
| Week 4 | 29-08-2022 to 03-09-2022 | Postulates of Quantum Mechanics, Schrodinger wave equation- Section A & B |
| Week 5 | 05-09-2022 to 10-09-2022 | Operators and their Algebra, Mathematical expressions- Section A & B |
| Week 6 | 12-09-2022 to 17-09-2022 | Hermitian operators, expectation values - Section A & B |
| Week 7 | 19-09-2022to 24-09-2022 | Numerical problems-Section A & B |
| Week 8 | 26-09-2022 to 01-10-2022 | Derivation of Particle in 1-D box - Section A & B |
| Week 9 | 03-10-2022 to 08-10-2022 | Application of Particle in 1-D box and numerical problems based on it- Section A & B |
| Week 10 | 10-10-2022 to 15-10-2022 | Solution of Hydrogen -atom- Section A & B |
| Week 11 | 17-10-2022 to 22-10-2022 | Solution of Hydrogen -atom- Section A & B |
| Week 12 | 25-10-2022 to 27-10-2022 | Quantum Mechanics-II-Section A & B |
| **Mid Semester Exam (28thOctober 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Quantum Mechanics-II-Section A & B |
| Week 14 | 07-11-2022 to 12-11-2022 | Quantum Mechanics-II-Section A & B |
| Week 15 | 14-11-2022 to 19-11-2022 | Quantum Mechanics-II-Section A & B |
| Week 16 | 21-11-2022 to 25-11-2022 | Revision and Tests |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan OddSemester (For Undergraduate Classes - First Year)**

**Session (2022-2023)**

**Class: Biotech (Hons) 1st Semester Name of the Teacher:Dr. Gurpreet Kaur**

**Subject: Chemistry Period : 1st**

**Paper: Chemistry Room No :113**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16-08-2022 to 20-08-2022 | ------ |
| Week 2 | 22-08-2022 to 27-08-2022 | Photochemistry |
| Week 3 | 29-08-2022 to 03-09-2022 | Molecular Spectroscopy |
| Week 4 | 05-09-2022 to 10-09-2022 | Molecular Spectroscopy |
| Week 5 | 12-09-2022 to 17-09-2022 | Molecular Spectroscopy, Fundamentals |
| Week 6 | 19-09-2022to 24-09-2022 | Fundamentals |
| Week 7 | 26-09-2022 to 01-10-2022 | Fundamentals |
| Week 8 | 03-10-2022 to 08-10-2022 | Solutions |
| Week 9 | 10-10-2022 to 15-10-2022 | Chemical Kinetics |
| Week 10 | 17-10-2022 to 22-10-2022 | Chemical Bonding |
| Week 11 | 25-10-2022 to 27-10-2022 | Periodic properties |
| **Mid Semester Exam (28thOctober 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Coordination compounds |
| Week 14 | 07-11-2022 to 12-11-2022 | Coordination compounds |
| Week 15 | 14-11-2022 to 19-11-2022 | Carboxylic Acids and derivatives |
| Week 16 | 21-11-2022 to 26-11-2022 | Revision & Tests |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Odd Semester (For Ongoing Classes UG-PG)**

**Session (2022-2023)**

**Class: B.Sc Ist Year Name of the Teacher: Dr. Gagandeep Gyani**

**Subject: Physical and Organic Chemistry Period : 6th and 4th**

**Paper : B and C Room No : 129 and 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Structure and bonding |
| Week 2 | 16-08-2022 to 20-08-2022 | Structure and bonding |
| Week 3 | 22-08-2022 to 27-08-2022 | Gaseous state |
| Week 4 | 29-08-2022 to 03-09-2022 | Gaseous state |
| Week 5 | 05-09-2022 to 10-09-2022 | Mechanisms of organic reactions |
| Week 6 | 12-09-2022 to 17-09-2022 | Mechanisms of organic reactions |
| Week 7 | 19-09-2022 to 24-09-2022 | Kinectics 1 |
| Week 8 | 26-09-2022 to 01-10-2022 | Kinectics 1 |
| Week 9 | 03-10-2022 to 08-10-2022 | Stereochemistry 1 |
| Week 10 | 10-10-2022 to 15-10-2022 | Stereochemistry 1 |
| Week 11 | 17-10-2022 to 22-10-2022 | Kinectics 2 |
| Week 12 | 25-10-2022 to 27-10-2022 | Kinectics 2 |
| **Mid semester exams (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Stereochemistry 2 |
| Week 14 | 07-11-2022 to 12-11-2022 | Stereochemistry 2 |
| Week 15 | 14-11-2022 to 19-11-2022 | Evaluation of mathematical data |
| Week 16 | 21-11-2022 to 25-11-2022 | Tests and assignments |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Odd Semester (For Ongoing Classes UG-PG)**

**Session (2022-2023)**

**Class: B.Sc Ist Year Name of the Teacher: Dr. Gagandeep Gyani**

**Subject: Physical and Organic Chemistry Period : 6th and 4th**

**Paper : B and C Room No : 129 and 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Structure and bonding |
| Week 2 | 16-08-2022 to 20-08-2022 | Structure and bonding |
| Week 3 | 22-08-2022 to 27-08-2022 | Gaseous state |
| Week 4 | 29-08-2022 to 03-09-2022 | Gaseous state |
| Week 5 | 05-09-2022 to 10-09-2022 | Mechanisms of organic reactions |
| Week 6 | 12-09-2022 to 17-09-2022 | Mechanisms of organic reactions |
| Week 7 | 19-09-2022 to 24-09-2022 | Kinectics 1 |
| Week 8 | 26-09-2022 to 01-10-2022 | Kinectics 1 |
| Week 9 | 03-10-2022 to 08-10-2022 | Stereochemistry 1 |
| Week 10 | 10-10-2022 to 15-10-2022 | Stereochemistry 1 |
| Week 11 | 17-10-2022 to 22-10-2022 | Kinectics 2 |
| Week 12 | 25-10-2022 to 27-10-2022 | Kinectics 2 |
| **Mid semester exams (28th October 2022 – 4th November 2022)** | | |
| Week 13 | 5-11-2022 | Stereochemistry 2 |
| Week 14 | 07-11-2022 to 12-11-2022 | Stereochemistry 2 |
| Week 15 | 14-11-2022 to 19-11-2022 | Evaluation of mathematical data |
| Week 16 | 21-11-2022 to 25-11-2022 | Tests and assignments |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan OddSemester (For Ongoing Classes UG-PG)**

**Session (2022-2023)**

**Class: B. Sc. 2Med and Non-Med**  **Name of the Teacher:Dr. Ankita**

**(Section A and B)**

**Subject: Inorganic Chemistry Period: 1st and 3rd**

**Paper :(A) Inorganic Chemistry Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-08-2022 | Admissions |
| Week 2 | 16-08-2022 to 20-08-2022 | Admissions |
| Week 3 | 22-08-2022 to 27-08-2022 | Chemistry of Coordination Compounds-I (Section A & B) |
| Week 4 | 29-08-2022 to 03-09-2022 | Chemistry of Coordination Compounds-I (Section A & B) |
| Week 5 | 05-09-2022 to 10-09-2022 | Chemistry of Coordination Compounds-I(Section A & B) |
| Week 6 | 12-09-2022 to 17-09-2022 | Chemistry of Coordination Compounds-II(Section A & B) |
| Week 7 | 19-09-2022 to 24-09-2022 | Chemistry of Coordination Compounds-II(Section A & B) |
| Week 8 | 26-09-2022 to 01-10-2022 | Chemistry of Coordination Compounds-II(Section A & B) |
| Week 9 | 03-10-2022 to 08-10-2022 | Test for Chemistry of Coordination Compounds-I and II(Section A & B) |
| Week 10 | 10-10-2022 to 15-10-2022 | Chemistry of elements of First Transition Series  (Section A & B) |
| Week 11 | 17-10-2022 to 22-10-2022 | Chemistry of elements of First Transition Series  (Section A & B) |
| Week 12 | 25-10-2022 to 27-10-2022 | Revision cum test forChemistry of elements of First Transition Series  (Section A & B) |
| Mid Semester Exam (28th October 2022 – 4th November 2022) | | |
| Week 13 | 5-11-2022 | Chemistry of elements of First Transition Series  (Section A & B) |
| Week 14 | 07-11-2022 to 12-11-2022 | Chemistry of elements of Second and Third Transition Series  (Section A & B) |
| Week 15 | 14-11-2022 to 19-11-2022 | Chemistry of elements of Second and Third Transition Series  (Section A & B) |
| Week 16 | 21-11-2022 to 25-11-2022 | Revision cum test forChemistry of elements of Second and third Transition Series |

**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan OddSemester (For Undergraduate Classes - First Year)**

**Session (2022-2023)**

**Class: B. Sc. 1Med and Non-Med**   **Name of the Teacher:Dr. Ankita**

**(Section A and B)**

**Subject: Inorganic Chemistry Period: 4th**

**Paper :(A) Inorganic Chemistry Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16-08-2022 to 20-08-2022 | Admissions |
| Week 2 | 22-08-2022 to 27-08-2022 | Admissions |
| Week 3 | 29-08-2022 to 03-09-2022 | Atomic Structure (Section A & B) |
| Week 4 | 05-09-2022 to 10-09-2022 | Atomic Structure (Section A & B) |
| Week 5 | 12-09-2022 to 17-09-2022 | Atomic Structure (Section A & B) |
| Week 6 | 19-09-2022 to 24-09-2022 | Revision cum test of Atomic structure (Section A & B) |
| Week 7 | 26-09-2022 to 01-10-2022 | Periodic Properties (Section A & B) |
| Week 8 | 03-10-2022 to 08-10-2022 | Periodic Properties (Section A & B) |
| Week 9 | 10-10-2022 to 15-10-2022 | Revision cum test of Periodic Properties(Section A & B) |
| Week 10 | 17-10-2022 to 22-10-2022 | Noble Gases (Section A & B) |
| Week 11 | 25-10-2022 to 27-10-2022 | Revision cum test of Noble gases(Section A & B) |
| Mid Semester Exam (28th October 2022 – 4th November 2022) | | |
| Week 13 | 5-11-2022 | The S-block Elements Group-1 and Group-2(Section A & B) |
| Week 14 | 07-11-2022 to 12-11-2022 | Chemical Bonding I (Section A & B) |
| Week 15 | 14-11-2022 to 19-11-2022 | Chemical Bonding I (Section A & B) |
| Week 16 | 21-11-2022 to 26-11-2022 | Revision cum test of Complete Syllabus |