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

**DEPARTMENT OF CHEMISTRY**

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

**Session (2021-2022)**

**Class: BSc III (Vth Semester) Name of the Teacher: Prof. Deepika Kansal**

**Subject: Chemistry Period : 4th**

**Paper : A & C Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 11-08-2021 to 14-08-2021 | Law of Photochemistry, Quantum Yield (Section A & Section B) |
| Week 2 | 16-08-2021 to 21-08-2021 | Law of Photochemistry, Quantum Yield (Section A & Section B) |
| Week 3 | 23-08-2021 to 28-08-2021 | Photochemical Reactions (Section A & Section B) |
| Week 4 | 31-08-2021 to 04-09-2019 | Photochemical Reactions (Section A & Section B) |
| Week 5 | 06-09-2021 to 11-09-2021 | Jablonski Diagram & Problem Solving (Section A & Section B) |
| Week 6 | 13-09-2021 to 18-09-2021 | Jablonski Diagram & Problem Solving (Section A & Section B) |
| Week 7 | 20-09-2021 to 25-09-2021 | Transition Metal Complexes (Section A & Section B) |
| Week 8 | 27-09-2021 to 01-10-2021 | Transition Metal Complexes (Section A & Section B) |
| Week 9 | 04-10-2021 to 09-10-2021 | Crystal Field Splitting in Tetrahedral & Square Planner Complexes (Section A & Section B) |
| Week 10 | 11-10-2021 to 16-10-2021 | Crystal Field Splitting in Tetrahedral & Sq. P Complexes (Section A & Section B) |
| Week 11 | 18-10-2021 to 19-10-2021 | Revision & Tests (Section A & Section B) |
| **Mid Semester Exam (21st October 2021 – 30th October 2021)** | | |
| Week 12 | 01-11-2021 to 06-11-2021 | Thermodynamics& Kinetic Aspects of Metal Complexes (Section A & Section B) |
| Week 13 | 08-11-2021 to 13-11-2021 | Thermodynamics& Kinetic Aspects of Metal Complexes (Section A & Section B) |
| Week 14 | 15-11-2021 to 20-11-2021 | Substitution Reaction in Square Planner Complexes (Section A & Section B) |
| Week 15 | 22-11-2021 to 27-11-2021 | Substitution Reaction in Square Planner Complexes (Section A & Section B) |
| Week 16 | 29-11-2021 to 30-11-2021 | Revision & Tests (Section A & Section B) |

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

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

**Session (2021-2022)**

**Class: BSc II (3rd Semester)**   **Name of the Teacher: Dr Seema Gupta**

**Subject: Chemistry Period :( Section A-4th & Section B-6th)**

**Paper : Organic Chemistry Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 11-08-2021 to 14-08-2021 | Monohydric Alcohols Section A & Section B |
| Week 2 | 16-08-2021 to 21-08-2021 | Monohydric Alcohols Section A & Section B |
| Week 3 | 23-08-2021 to 28-08-2021 | Dihydric Alcoholis Section A & Section B |
| Week 4 | 31-08-2021 to 04-09-2019 | Trihydric Alcohols Section A & Section B |
| Week 5 | 06-09-2021 to 11-09-2021 | Phenols Section A & Section B |
| Week 6 | 13-09-2021 to 18-09-2021 | Phenols, Revision & Tests Section A & Section B |
| Week 7 | 20-09-2021 to 25-09-2021 | Aldehydes & Ketones -I Section A & Section B |
| Week 8 | 27-09-2021 to 01-10-2021 | Aldehydes & Ketones -I Section A & Section B |
| Week 9 | 04-10-2021 to 09-10-2021 | Aldehydes & Ketones –II Section A & Section B |
| Week 10 | 11-10-2021 to 16-10-2021 | Aldehydes & Ketones -II Section A & Section B |
| Week 11 | 18-10-2021 to 19-10-2021 | Revision & Tests Section A & Section B |
| **Mid Semester Exam (21st October 2021 – 30th October 2021)** | | |
| Week 12 | 01-11-2021 to 06-11-2021 | Carboxylic Acid Section A & Section B |
| Week 13 | 08-11-2021 to 13-11-2021 | Carboxylic Acid Section A & Section B |
| Week 14 | 15-11-2021 to 20-11-2021 | Substituted Carboxylic Acids Section A & Section B |
| Week 15 | 22-11-2021 to 27-11-2021 | Unsaturated Monocarboxylic Acids & Dicarboxylic Acids  Section A & Section B |
| Week 16 | 29-11-2021 to 30-11-2021 | Revision & Tests Section A & Section B |

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

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

**Session (2021-2022)**

**Class: BSc II (3rd Semester)**   **Name of the Teacher: Ms Puneet Jyoti**

**Subject: Chemistry Period :( Section A-6th & Section B-4th)**

**Paper : Physical Chemistry Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 11-08-2021 to 14-08-2021 | Liquid State Section A & Section B |
| Week 2 | 16-08-2021 to 21-08-2021 | Liquid State Section A & Section B |
| Week 3 | 23-08-2021 to 28-08-2021 | Liquid Crystals Section A & Section B |
| Week 4 | 31-08-2021 to 04-09-2019 | Liquid Crystals Section A & Section B |
| Week 5 | 06-09-2021 to 11-09-2021 | Chemical Equilibrium Section A & Section B |
| Week 6 | 13-09-2021 to 18-09-2021 | Chemical Equilibrium Section A & Section B |
| Week 7 | 20-09-2021 to 25-09-2021 | Thermodynamics II Section A & Section B |
| Week 8 | 27-09-2021 to 01-10-2021 | Thermodynamics II Section A & Section B |
| Week 9 | 04-10-2021 to 09-10-2021 | Thermodynamics II Section A & Section B |
| Week 10 | 11-10-2021 to 16-10-2021 | Thermodynamics II Section A & Section B |
| Week 11 | 18-10-2021 to 19-10-2021 | Revision & Tests Section A & Section B |
| **Mid Semester Exam (21st October 2021 – 30th October 2021)** | | |
| Week 12 | 01-11-2021 to 06-11-2021 | Thermodynamics III Section A & Section B |
| Week 13 | 08-11-2021 to 13-11-2021 | Thermodynamics III Section A & Section B |
| Week 14 | 15-11-2021 to 20-11-2021 | Thermodynamics III Section A & Section B |
| Week 15 | 22-11-2021 to 27-11-2021 | Thermodynamics III Section A & Section B |
| Week 16 | 29-11-2021 to 30-11-2021 | Revision & Tests Section A & Section B |

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

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

**Session (2021-2022)**

**Class: BSc III (Vth Semester) Name of the Teacher: Dr Rajendra Swain**

**Subject: Chemistry Period : 2nd**

**Paper : A & B Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 11-08-2021 to 14-08-2021 | Carbohydrates, Ring Structure and Conversion (Section A & Section B) |
| Week 2 | 16-08-2021 to 21-08-2021 | Carbohydrates, Ring Structure and Conversion (Section A & Section B) |
| Week 3 | 23-08-2021 to 28-08-2021 | Disaccharides & Polysaccharides (Section A & Section B) |
| Week 4 | 31-08-2021 to 04-09-2019 | UV Spectroscopy (Section A & Section B) |
| Week 5 | 06-09-2021 to 11-09-2021 | UV Spectroscopy (Section A & Section B) |
| Week 6 | 13-09-2021 to 18-09-2021 | Woodward Fieser Rule & Numericals (Section A & Section B) |
| Week 7 | 20-09-2021 to 25-09-2021 | Organometallic Chemistry (Section A & Section B) |
| Week 8 | 27-09-2021 to 01-10-2021 | Organometallic Chemistry (Section A & Section B) |
| Week 9 | 04-10-2021 to 09-10-2021 | Infrared Spectroscopy (Section A & Section B) |
| Week 10 | 11-10-2021 to 16-10-2021 | Infrared Spectroscopy (Section A & Section B) |
| Week 11 | 18-10-2021 to 19-10-2021 | Revision & Tests (Section A & Section B) |
| **Mid Semester Exam (21st October 2021 – 30th October 2021)** | | |
| Week 12 | 01-11-2021 to 06-11-2021 | NMR Spectroscopy (Section A & Section B) |
| Week 13 | 08-11-2021 to 13-11-2021 | NMR Spectroscopy (Section A & Section B) |
| Week 14 | 15-11-2021 to 20-11-2021 | Numerical UV, IR, NMR (Section A & Section B) |
| Week 15 | 22-11-2021 to 27-11-2021 | Bio inorganic Chemistry (Section A & Section B) |
| Week 16 | 29-11-2021 to 30-11-2021 | Revision & Tests (Section A & Section B) |

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

**Teaching Plan OddSemester (UG 1st Year)**

**Session (2021-2022)**

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

**Subject: Chemistry Period : 1st**

**Paper : Chemistry Room No : Online Class**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 1-09-2021 to 04-09-2019 | ----- |
| Week 2 | 06-09-2021 to 11-09-2021 | --- |
| Week 3 | 13-09-2021 to 18-09-2021 | Chemical Bonding |
| Week 4 | 20-09-2021 to 25-09-2021 | Periodic Properties |
| Week 5 | 27-09-2021 to 01-10-2021 | Molecular Spectroscopy |
| Week 6 | 04-10-2021 to 09-10-2021 | Solutions |
| Week 7 | 11-10-2021 to 16-10-2021 | Photochemistry |
| Week 8 | 18-10-2021 to 19-10-2021 | Fundamentals |
| **Mid Semester Exam (21st October 2021 – 30th October 2021)** | | |
| Week 9 | 01-11-2021 to 06-11-2021 | Coordination Compounds |
| Week 10 | 08-11-2021 to 13-11-2021 | Chemical Kinetics |
| Week 11 | 15-11-2021 to 20-11-2021 | Chemical Kinetics |
| Week 12 | 22-11-2021 to 27-11-2021 | Carboxylic acids |
| Week 13 | 29-11-2021 to 04-12-2021 | Derivatives of Carboxylic acids |
| Week 14 | 06-12-2021 to 11-12-2021 | Assignments, Revision & Tests |
| Week 15 | 13-12-2021 to 16-12-2021 | Revision & Tests |

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

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

**Session (2021-2022)**

**Class: BSc III (5th Semester)**   **Name of the Teacher: Dr. Gurpreet Kaur**

**Subject: Chemistry Period :( Section A-2nd & Section B-5th )**

**Paper : Physical Chemistry Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 11-08-2021 to 14-08-2021 | Elementary Quantum Mechanics-I Section A & Section B |
| Week 2 | 16-08-2021 to 21-08-2021 | Elementary Quantum Mechanics-I Section A & Section B |
| Week 3 | 23-08-2021 to 28-08-2021 | Elementary Quantum Mechanics-I Section A & Section B |
| Week 4 | 31-08-2021 to 04-09-2019 | Elementary Quantum Mechanics-I Section A & Section B |
| Week 5 | 06-09-2021 to 11-09-2021 | Elementary Quantum Mechanics-I Section A & Section B |
| Week 6 | 13-09-2021 to 18-09-2021 | Elementary Quantum Mechanics-I Section A & Section B |
| Week 7 | 20-09-2021 to 25-09-2021 | Elementary Quantum Mechanics-I Section A & Section B |
| Week 8 | 27-09-2021 to 01-10-2021 | Elementary Quantum Mechanics-I Section A & Section B |
| Week 9 | 04-10-2021 to 09-10-2021 | Elementary Quantum Mechanics-I Section A & Section B |
| Week 10 | 11-10-2021 to 16-10-2021 | Elementary Quantum Mechanics-II Section A & Section B |
| Week 11 | 18-10-2021 to 19-10-2021 | Tests -Quantum Mechanics-I Section A & Section B |
| **Mid Semester Exam (21st October 2021 – 30th October 2021)** | | |
| Week 12 | 01-11-2021 to 06-11-2021 | Elementary Quantum Mechanics-II Section A & Section B |
| Week 13 | 08-11-2021 to 13-11-2021 | Elementary Quantum Mechanics-II Section A & Section B |
| Week 14 | 15-11-2021 to 20-11-2021 | Elementary Quantum Mechanics-II Section A & Section B |
| Week 15 | 22-11-2021 to 27-11-2021 | Elementary Quantum Mechanics-II Section A & Section B |
| Week 16 | 29-11-2021 to 30-11-2021 | Revision & Tests Section A & Section B |

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

**Teaching Plan Odd Semester (For UG 1st year)**

**Session (2021-2022)**

**Class: B.Sc 1 (1st semester )**  **Name of the Teacher:Dr. Gagandeep Gyani**

**Subject: Chemistry Period :3rd & 1st** Wed& Thu)

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

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 13-09-2021 to 18-09-2021 | Gaseous state (Section A & Section B) |
| Week 2 | 20-09-2021 to 25-09-2021 | Gaseous state (Section A & Section B) |
| Week 3 | 27-09-2021 to 01-10-2021 | Structure and bonding (Section A & Section B) |
| Week 4 | 04-10-2021 to 09-10-2021 | Mechanism Of Organic Reactions (Section A & Section B) |
| Week 5 | 11-10-2021 to 16-10-2021 | Chemical Kinetics 1 (Section A & Section B) |
| Week 6 | 18-10-2021 to 19-10-2021 | Chemical Kinetics 1 ( Section A & Section B) |
| **Mid Semester Exam (21st October 2021 – 30th October 2021)** | | |
| Week 7 | 01-11-2021 to 06-11-2021 | Catalysis (Section A & Section B) |
| Week 8 | 08-11-2021 to 13-11-2021 | Catalysis (Section A & Section B) |
| Week 9 | 15-11-2021 to 20-11-2021 | Stereochemistry of organic compounds 1 (Section A & Section B) |
| Week 10 | 22-11-2021 to 27-11-2021 | Stereochemistry of organic compounds 1(Section A & Section B) |
| Week 11 | 29-11-2021 to 04-12-2021 | Stereochemistry of organic compounds 2(Section A & Section B) |
| Week 12 | 06-12-2021 to 11-12-2021 | Stereochemistry of organic compounds 2 (Section A & Section B) |
| Week 13 | 13-12-2021 to 16-12-2021 | Alkanes and cycloalkanes (Section A & Section B) |

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

**Teaching Plan OddSemester (UG 1st Year)**

**Session (2021-2022)**

**Class: B. Sc. 1**  **Name of the Teacher: Dr. Ankita**

**Subject: Inorganic Chemistry Period :Ist**

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

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 1-09-2021 to 04-09-2019 | **Admissions** |
| Week 2 | 06-09-2021 to 11-09-2021 | **Admissions** |
| Week 3 | 13-09-2021 to 18-09-2021 | **Atomic Structure (Section A & B)** |
| Week 4 | 20-09-2021 to 25-09-2021 | **Atomic Structure (Section A & B)** |
| Week 5 | 27-09-2021 to 01-10-2021 | **Atomic Structure (Section A & B)** |
| Week 6 | 04-10-2021 to 09-10-2021 | **Periodic Properties (Section A & B)** |
| Week 7 | 11-10-2021 to 16-10-2021 | **Periodic Properties (Section A & B)** |
| Week 8 | 18-10-2021 to 19-10-2021 | **The S-block Elements Group-1 and Group-2(Section A & B)** |
| **Mid Semester Exam (21st October 2021 – 30th October 2021)** | | |
| Week 9 | 01-11-2021 to 06-11-2021 | **The S-block Elements Group-1 and Group-2(Section A & B)** |
| Week 10 | 08-11-2021 to 13-11-2021 | **Noble Gases(Section A & B)** |
| Week 11 | 15-11-2021 to 20-11-2021 | **Noble Gases (Section A & B)** |
| Week 12 | 22-11-2021 to 27-11-2021 | **Chemical Bonding I(Section A & B)** |
| Week 13 | 29-11-2021 to 04-12-2021 | **Chemical Bonding I(Section A & B)** |
| Week 14 | 06-12-2021 to 11-12-2021 | **Chemical Bonding I(Section A & B)** |
| Week 15 | 13-12-2021 to 16-12-2021 | **Revision** |

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

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

**Session (2021-2022)**

**Class: B.sc.2 Semester-III**   **Name of the Teacher:Dr. Ankita**

**Subject: Inorganic Chemistry Period: 4th and 6th**

**Paper : A (Inorganic Chemistry) Room No: 129/126**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 11-08-2021 to 14-08-2021 | **Chemistry of Coordination Compounds-I (Section A & B)** |
| Week 2 | 16-08-2021 to 21-08-2021 | **Chemistry of Coordination Compounds-I (Section A & B)** |
| Week 3 | 23-08-2021 to 28-08-2021 | **Chemistry of Coordination Compounds-I(Section A & B)** |
| Week 4 | 31-08-2021 to 04-09-2019 | **Chemistry of Coordination Compounds-II(Section A & B)** |
| Week 5 | 06-09-2021 to 11-09-2021 | **Chemistry of Coordination Compounds-II(Section A & B)** |
| Week 6 | 13-09-2021 to 18-09-2021 | **Chemistry of Coordination Compounds-II(Section A & B)** |
| Week 7 | 20-09-2021 to 25-09-2021 | **Test for Chemistry of Coordination Compounds-I and II(Section A & B)** |
| Week 8 | 27-09-2021 to 01-10-2021 | **Chemistry of elements of First Transition Series**  **(Section A & B)** |
| Week 9 | 04-10-2021 to 09-10-2021 | **Chemistry of elements of First Transition Series**  **(Section A & B)** |
| Week 10 | 11-10-2021 to 16-10-2021 | **Chemistry of elements of First Transition Series**  **(Section A & B)** |
| Week 11 | 18-10-2021 to 19-10-2021 | **Chemistry of elements of Second and Third Transition Series (Section A & B)** |
| **Mid Semester Exam (21st October 2021 – 30th October 2021)** | | |
| Week 12 | 01-11-2021 to 06-11-2021 | **Chemistry of elements of Second and Third Transition Series (Section A & B)** |
| Week 13 | 08-11-2021 to 13-11-2021 | **Chemistry of elements of Second and Third Transition Series (Section A & B)** |
| Week 14 | 15-11-2021 to 20-11-2021 | **Test for Chemistry of elements of First, Second and Third Transition Series (Section A & B)** |
| Week 15 | 22-11-2021 to 27-11-2021 | **Revision of Chemistry of Coordination Compounds-I and II (Section A & B)** |
| Week 16 | 29-11-2021 to 30-11-2021 | **Revision ofChemistry of elements of First, Second and Third Transition Series (Section A & B)** |