**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS**

**SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester (UG and PG)**

**Session (2022-2023)**

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

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

**Paper : Physical Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Introduction to Spectroscopy Section A |
| Week 2 | 23/01/2023-28/01/2023 | Introduction to Spectroscopy Section B |
| Week 3 | 30/01/2023- 04/02/2023 | On Leave |
| Week 4 | 06/02/2023-11/02/2023 | Rotation Spectroscopy Section A |
| Week 5 | 13/02/2023-17/02/2023 | Rotation Spectroscopy Section B |
| Week 6 | 20/02/2023-25/02/2023 | Vibration Spectroscopy Section A |
| Week 7 | 27/02/2023-04/03/2023 | Vibration Spectroscopy Section B |
| Week 8 | 06/03/2023-11/03/2023 | Raman Spectroscopy Section A |
| Week 9 | 13/03/2023-18/03/2023 | Raman Spectroscopy Section B |
| Week 10 | 20/03/2023-25/03/2023 | Solid state Unit 1 Section A |
| Week 11 | 27/03/2023-01/04/2023 | Solid state Unit 1 Section B |
| Week 12 | 03/04/2023-08/04/2023 | Solid state Unit 2 Section A |
| Week 13 | 10/04/2023-15/04/2023 | Solid state Unit 2 Section B |
| Week 14 | 17/04/2023-21/04/2023 | Revision and Class test Section A |
| Week 15 | 24/04/2023-29/04/2023 | Revision and Class test Section B |

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**SECTOR-42, CHANDIGARH**

**Teaching Plan EvenSemester (UG and PG)**

**Session (2022-2023)**

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

**Subject: Chemistry Period : (1,2,5,6) 3rd Period(3,4) 1st Period**

**Paper : Inorganic and Organic Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Derivatives of Carboxylic Acid in section A & B |
| Week 2 | 23/01/2023-28/01/2023 | Derivatives of Carboxylic Acid in section A & B |
| Week 3 | 30/01/2023- 04/02/2023 | Ethers and Epoxides in section A & B |
| Week 4 | 06/02/2023-11/02/2023 | Fat, Oils and Detergents in section A & B |
| Week 5 | 13/02/2023-17/02/2023 | Revision And Tests in section A & B |
| Week 6 | 20/02/2023-25/02/2023 | Chemistry of Lanthanide in section A & B |
| Week 7 | 27/02/2023-04/03/2023 | Chemistry of Actinides in section A & B |
| Week 8 | 06/03/2023-11/03/2023 | Nitro Compounds in section A & B |
| Week 9 | 13/03/2023-18/03/2023 | Amines in section A & B |
| Week 10 | 20/03/2023-25/03/2023 | Revision And Tests in section A & B |
| Week 11 | 27/03/2023-01/04/2023 | Hetrocyclic Compounds in section A & B |
| Week 12 | 03/04/2023-08/04/2023 | Hetrocyclic Compounds in section A & B |
| Week 13 | 10/04/2023-15/04/2023 | Non-aqueous Solvents in section A & B |
| Week 14 | 17/04/2023-21/04/2023 | Non-aqueous Solvents in section A & B |
| Week 15 | 24/04/2023-29/04/2023 | Revision And Tests in section A & B |

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**SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester (UG and PG)**

**Session (2022-2023)**

**Class: B.Sc. IInd Year**   **Name of the Teacher: Ms. PuneetJyoti**

**Subject: Chemistry Period : (1,2,5,6 )1st Period (3,4) 3rd Period**

**Paper : Inorganic and Physical Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Phase Equilibrium in section A & B |
| Week 2 | 23/01/2023-28/01/2023 | Phase Equilibrium in section A & B |
| Week 3 | 30/01/2023- 04/02/2023 | Electrochemistry 1 in section A & B |
| Week 4 | 06/02/2023-11/02/2023 | Electrochemistry 1 in section A & B |
| Week 5 | 13/02/2023-17/02/2023 | Revision And Tests in section A & B |
| Week 6 | 20/02/2023-25/02/2023 | Acids and Bases in section A & B |
| Week 7 | 27/02/2023-04/03/2023 | Acids and Bases in section A & B |
| Week 8 | 06/03/2023-11/03/2023 | Electrochemistry II in section A & B |
| Week 9 | 13/03/2023-18/03/2023 | Electrochemistry II in section A & B |
| Week 10 | 20/03/2023-25/03/2023 | Revision And Tests in section A & B |
| Week 11 | 27/03/2023-01/04/2023 | Electrolytic and Galvanic Cells in section A & B |
| Week 12 | 03/04/2023-08/04/2023 | Electrolytic and Galvanic Cells in section A & B |
| Week 13 | 10/04/2023-15/04/2023 | Oxidation and Reduction in section A & B |
| Week 14 | 17/04/2023-21/04/2023 | Oxidation and Reduction in section A & B |
| Week 15 | 24/04/2023-29/04/2023 | Revision And Tests in section A & B |

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS**

**SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester (UG and PG)**

**Session (2022-2023)**

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

**Subject: Chemistry Period : 2nd period (Monday to Saturday)**

**Paper : Inorganic and Organic Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Organic Synthesis Via Enolates Section A |
| Week 2 | 23/01/2023-28/01/2023 | Organic Synthesis Via Enolates Section B |
| Week 3 | 30/01/2023- 04/02/2023 | Synthetic Polimerse Section A |
| Week 4 | 06/02/2023-11/02/2023 | Synthetic Polimerse Section B |
| Week 5 | 13/02/2023-17/02/2023 | Organic Metallic Compounds Section A |
| Week 6 | 20/02/2023-25/02/2023 | Organic Metallic Compounds Section B |
| Week 7 | 27/02/2023-04/03/2023 | Amno Acids, Peptides, Niculic Acids &Protiens Section A |
| Week 8 | 06/03/2023-11/03/2023 | Amno Acids, Peptides, Niculic Acids &Protiens Section B |
| Week 9 | 13/03/2023-18/03/2023 | Silicones &Phospazenes Section A |
| Week 10 | 20/03/2023-25/03/2023 | Silicones &Phospazenes Section B |
| Week 11 | 27/03/2023-01/04/2023 | Hard & Soft Acids & Bases Section A |
| Week 12 | 03/04/2023-08/04/2023 | Hard & Soft Acids & Bases Section B |
| Week 13 | 10/04/2023-15/04/2023 | Revision Section A |
| Week 14 | 17/04/2023-21/04/2023 | Revision Section B |
| Week 15 | 24/04/2023-29/04/2023 | Test Section A & B |

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS**

**SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester (UG and PG)**

**Session (2022-2023)**

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

**Subject: Chemistry Period :(3,4) 5thperiod**

**Paper : Inorganic Room No : 29**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Electronic spectra of Transition metal complexes- Introduction, Types of electronic transitions-Section A & B |
| Week 2 | 23/01/2023-28/01/2023 | Term Symbols and LS Coupling -Section A & B |
| Week 3 | 30/01/2023- 04/02/2023 | Term Symbols and LS Coupling -Section A & B |
| Week 4 | 06/02/2023-11/02/2023 | Spectroscopic term symbols derivation for d2-Section A & B |
| Week 5 | 13/02/2023-17/02/2023 | Spectroscopic term symbols derivation for d2-Section A & B |
| Week 6 | 20/02/2023-25/02/2023 | Spectroscopic ground states- Section A & B |
| Week 7 | 27/02/2023-04/03/2023 | Spectroscopic ground states- Section A & B |
| Week 8 | 06/03/2023-11/03/2023 | Orgel energy level diagrams- Section A & B |
| Week 9 | 13/03/2023-18/03/2023 | Orgel energy level diagrams- Section A & B |
| Week 10 | 20/03/2023-25/03/2023 | Magnetic Properties of TM Complexes- Section A & B |
| Week 11 | 27/03/2023-01/04/2023 | Magnetic Properties of TM Complexes- Section A & B |
| Week 12 | 03/04/2023-08/04/2023 | Methods of determining magnetic susceptibility-Section A & B |
| Week 13 | 10/04/2023-15/04/2023 | Orbital contribution of magnetic moments- Section A & B |
| Week 14 | 17/04/2023-21/04/2023 | Applications of magnetic moment data-Sectyion A & B |
| Week 15 | 24/04/2023-29/04/2023 | Revision & Tests- Section A & B |

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS**

**SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester (UG and PG)**

**Session (2022-2023)**

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

**Subject: Chemistry Period :(1,2,5,6) 6th Period**

**Paper : Physical Room No : 129**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Thermodynamics-I -Section A & B |
| Week 2 | 23/01/2023-28/01/2023 | Thermodynamics-I -Section A & B |
| Week 3 | 30/01/2023- 04/02/2023 | Thermodynamics-I -Section A & B |
| Week 4 | 06/02/2023-11/02/2023 | Thermochemistry -Section A & B |
| Week 5 | 13/02/2023-17/02/2023 | Thermochemistry -Section A & B |
| Week 6 | 20/02/2023-25/02/2023 | Colloidal State -Section A & B |
| Week 7 | 27/02/2023-04/03/2023 | Colloidal State-Section A & B |
| Week 8 | 06/03/2023-11/03/2023 | Colloidal State-Section A & B |
| Week 9 | 13/03/2023-18/03/2023 | Ideal & Non-ideal Solutions, activity & activity coefficient- Section A & B |
| Week 10 | 20/03/2023-25/03/2023 | Colligative properties, Raoult’s Law- Section A & B |
| Week 11 | 27/03/2023-01/04/2023 | Thermodynamic derivations- Section A & B |
| Week 12 | 03/04/2023-08/04/2023 | Thermodynamic derivations- Section A & B |
| Week 13 | 10/04/2023-15/04/2023 | Abnormal molar mass in detail- Section A & B |
| Week 14 | 17/04/2023-21/04/2023 | Abnormal molar mass in detail- Section A & B |
| Week 15 | 24/04/2023-29/04/2023 | Revision & Tests - Section A & B |

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS**

**SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester (UG and PG)**

**Session (2022-2023)**

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

**Subject: Chemistry Period: 4th period (all days) & 6th period (wed, Thursday)**

**Paper : Inorganic & Organic Room No : 29, 129**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 16/01/2023 – 21/01/2023 | Chemical Bonding-II Section A and B |
| Week 2 | 23/01/2023-28/01/2023 | Chemical Bonding-III Section A and B |
| Week 3 | 30/01/2023- 04/02/2023 | P-Block Elements-I Section A and B |
| Week 4 | 06/02/2023-11/02/2023 | P-Block Elements-I Section A and B |
| Week 5 | 13/02/2023-17/02/2023 | Alkenes and CycloalkenesSection A and B |
| Week 6 | 20/02/2023-25/02/2023 | Alkenes and Cycloalkenes Section A and B |
| Week 7 | 27/02/2023-04/03/2023 | Dienes and Alkynes Section A and B |
| Week 8 | 06/03/2023-11/03/2023 | P-Block Elements-II Section A and B |
| Week 9 | 13/03/2023-18/03/2023 | P-Block Elements-II Section A and B |
| Week 10 | 20/03/2023-25/03/2023 | Arenes and Aromaticity Section A and B |
| Week 11 | 27/03/2023-01/04/2023 | Arenes and Aromaticity Section A and B |
| Week 12 | 03/04/2023-08/04/2023 | Alkyl and Aryl halides Section A and B |
| Week 13 | 10/04/2023-15/04/2023 | Alkyl and Aryl halides Section A and B |
| Week 14 | 17/04/2023-21/04/2023 | Revision & Tests - Section A & B |
| Week 15 | 24/04/2023-29/04/2023 | Revision & Tests - Section A & B |