**Post Graduate Govt. College for Girls, Sector-42, Chandigarh**

**Teaching Plan for Bachelors (First Semester)**

**Session (2020-2021)**

**Name of the Teacher: Dr. Gurpreet Kaur**

**Class: BSc (Med, Non-Med & Electives) 1st Semester**

**Subject: Inorganic Chemistry Paper: A**

**Class: Biotech (Hons) 1st Semester**

**Subject: Chemistry Paper: BIOT-104-T**

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| **S. No** | **Dates** | **Topics to be Covered**  **BSc (Med, Non-Med & Electives) 1st Semester** | **Topics to be Covered Biotech (Hons) 1st Semester** |
| Week 1 | 01/09/2020-05/09/2020 | Introduction to Chemistry of Noble gases (**Section-A& B)** | --- |
| Week 2 | 07/09/2020-12/09/2020 | Chemical Properties of Noble gases (**Section-A& B)** | ---- |
| Week 3 | 14/09/2020-19/09/2020 | Compounds of Xenon  (**Section-A& B)** | --- |
| Week 4 | 21/09/2020-26/09/2020 | Structure and bonding in Xenon compounds (**Section-A& B)** | Ionic Bonding |
| Week 5 | 28/09/2020-03/10/2020 | Chemical bonding-I  VB theory and its limitations  (**Section-A& B)** | Chemical bonding  VB theory and its limitations |
| Week 6 | 05/10/2020-10/10/2020 | Covalent bond and its characteristics  (**Section-A& B)** | Covalent bond and its characteristics |
| Week 7 | 12/10/2020-16/10/2020 | VSEPR theory and MO theory  (**Section-A& B)** | VSEPR theory and MO theory |
| Week 8 | 19/10/2020-24/10/2020 | Chemical bonding-I Hybridization and shapes of simple inorganic molecules (**Section-A& B)** | Coordination compounds |
| Week 9 | 27/10/2020-30/10/2020 | s-Block elements (**Section-A& B)** | Molecular spectroscopy |
| Week 10 | 03/11/2020 – 07/11/2020 | s-Block elements (**Section-A& B)** | Molecular spectroscopy |
| Week 11 | 09/11/2020 – 12/11/2020 | Periodic Properties (**Section-A& B)** | Periodic Properties |
| Week 12 | 16/11/2020 – 21/11/2020 | Periodic Properties (**Section-A& B)** | Periodic Properties |
| Week 13 | 23/11/2020 – 28/11/2020 | Atomic Structure (**Section-A& B)** | Photochemistry |
| Week 14 | 01/12/2020 – 05/12/2020 | Atomic Structure (**Section-A& B)** | Solutions |
| Week 15 | 07/12/2020 – 12/12/2020 | Atomic Structure (**Section-A& B)** | Solutions |
| Week 16 | 14/12/2020 – 18/12/2020 | Assignments (**Section-A& B)** | Assignments |
| Week 17 | 21/12/2020 – 26/12/2020 | Revision &Tests (**Section-A& B)** | Revision and Tests |

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

**Subject: PHYSICAL CHEMISTRY**

**And ORGANIC CHEMISTRY Paper:B and C (2 Papers )**

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| **S. No** | **Dates** | **Topics to be Covered** |
| Week 1 | 01/09/2020-05/09/2020 | Gaseous state |
| Week 2 | 07/09/2020-12/09/2020 | Gaseous state |
| Week 3 | 14/09/2020-19/09/2020 | Structure and bonding |
| Week 4 | 21/09/2020-26/09/2020 | Mechanisms of organic reactions |
| Week 5 | 28/09/2020-03/10/2020 | Mechanisms of organic reactions |
| Week 6 | 05/10/2020-10/10/2020 | Revision and assignment |
| Week 7 | 12/10/2020-16/10/2020 | Chemical kinetics 1 |
| Week 8 | 19/10/2020-24/10/2020 | Chemical kinetics 1 |
| Week 9 | 27/10/2020-30/10/2020 | Stereochemistry of organic compounds 1 |
| Week 10 | 03/11/2020 – 07/11/2020 | Stereochemistry of organic compounds 1 |
| Week 11 | 09/11/2020 – 12/11/2020 | Revision and assignment |
| Week 12 | 16/11/2020 – 21/11/2020 | Chemical kinetics 2 |
| Week 13 | 23/11/2020 – 28/11/2020 | Chemical kinetics 2 |
| Week 14 | 01/12/2020 – 05/12/2020 | Stereochemistry of organic compounds 2 |
| Week 15 | 07/12/2020 – 12/12/2020 | Stereochemistry of organic compounds 2 |
| Week 16 | 14/12/2020 – 18/12/2020 | Alkanes and cycloalkanes |
| Week 17 | 21/12/2020 – 26/12/2020 | Evaluation of Analytical data |