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

**Teaching Plan Even Semester**

**Session (2018-19)**

**Class: B. Sc. 2nd Sem. Name of the Teacher: Dr. Sushma**

**Subject: Genetics Period: V (Thu, Fri, Sat)**

**Paper: B Room No: 219**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 14 /01/2019 – 19/01/2019 | Mendel’s experiments and results, Mendel’s Laws. |
| Week 2 | 21/01/2019 –  25/01/2019 | Complete and incomplete linkage, linkage groups, Linkage Maps. |
| Week 3 | 28/01/2019 –  2/02/2019 | Importance of Linkage, cytological interpretation of Mendelism. |
| Week 4 | 4/02/2019 –  9/02/2019 | Dominant and recessive epistasis, supplementary genes. |
| Week 5 | 11/02/2019 –  16/02/2019 | Complementary genes, quantitative or polygenic inheritance. |
| Week 6 | 18/02/2019 –  23/02/2019 | Duplicate genes, Incomplete dominance. |
| Week 7 | 25/02/2019 –  02/03/2019 | Codominance, multiple alleles, pleiotropic genes. |
| Mid Semester Exam | | |
| Week 8 | 11/03/2019 –  16/03/2019 | Chromosome theory of heredity, parallelism b/w chromosomes and Mendelian factors. |
| Week 9 | 18 /03/2019–  22/03/2019 | Sex linked inheritance, characteristics and examples. |
| Week 10 | 25/03/2019 –  30/03/2019 | Cytoplasmic and extra nuclear inheritance, mitochondrial and plastid DNA. |
| Week 11 | 1/04/2019 –  6/04/2019 | Plastid inheritance in *Mirabilis*, mitochondrial inheritance in Yeast. |
| Week 12 | 8/04/2019 –  12/04/2019 | Continuous and discontinuous variations, Mutations. |
| Week 13 | 15/04/2019 –  20/04/2019 | Mutagens, DNA damage and repair |
| Week 14 | 22/04/2019 –  27/04/2019 | Types of DNA damage |
| Week 15 | 29 /04/2019–  3/05/2019 | Repair system in prokaryotes and eukaryotes. |

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

**Teaching Plan Even Semester**

**Session (2018-19)**

**Class: M. Sc. 2nd Sem. Name of the Teacher: Dr. Sushma**

**Subject: Plant Pathology Period: I, III (Mon, Sat)**

**Paper: X Room No: 219**

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 14 /01/2019 – 19/01/2019 | Symptomology in Fungal infections of plant. |
| Week 2 | 21/01/2019 –  25/01/2019 | Role of enzymes in pathology. |
| Week 3 | 28/01/2019 –  2/02/2019 | Role of toxins in pathology. |
| Week 4 | 4/02/2019 –  9/02/2019 | Defence mechanism. |
| Week 5 | 11/02/2019 –  16/02/2019 | Structural defence |
| Week 6 | 18/02/2019 –  23/02/2019 | Biochemical defence |
| Week 7 | 25/02/2019 –  02/03/2019 | Host-Parasite interactions. |
| Mid Semester Exam | | |
| Week 8 | 11/03/2019 –  16/03/2019 | Characteristics of Diseases caused by plant viruses. |
| Week 9 | 18 /03/2019–  22/03/2019 | Viral diseases, symptoms, control. |
| Week 10 | 25/03/2019 –  30/03/2019 | Characteristics of Diseases caused by MLOs. |
| Week 11 | 1/04/2019 –  6/04/2019 | Diseases caused by MLOs, symptom and control. |
| Week 12 | 8/04/2019 –  12/04/2019 | Diseases caused by spiroplasma, symptom and control. |
| Week 13 | 15/04/2019 –  20/04/2019 | Characteristics of Diseases caused by Viroids . |
| Week 14 | 22/04/2019 –  27/04/2019 | Diseases caused by Viroids symptom and control. |
| Week 15 | 29 /04/2019–  3/05/2019 | Diseases caused by mycoplasma, symptom and control. |