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

**Teaching Plan Even Semester**

**Session (2018-19)**

**Class:** \* B.Sc III (section- B) **Name of teacher**: Dr. Geetika Singh

\*\* BSc I ( section B)

\*\*\* MSc I

**Subject: \***Economic Botany

\*\* Genetics

\*\*\* Pteridophytes **Period :** **I ( 2,3)\***

**V (4,5,6)\*\***

**I( 5), VI(6)\*\*\***

**Paper :** Paper B\*

Paper B\*\*

Paper VI\*\*\* **Room No** : \*218

\*\*218

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| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 14 /01/2019 – 19/01/2019 | \*Wheat, cotton, potato  \*\* Mendelism, Law of dominance, law of segregation  \*\*\* General characters of pteridophytes |
| Week 2 | 21/01/2019 –  25/01/2019 | \*Rice, Maize, Bamboos, Eucalyptus, Tea, Coffee  \*\* Law of independent assortment, Linkage  \*\*\* Classification of pteridophytes |
| Week 3 | 28/01/2019 –  2/02/2019 | \* Ashwagandha, Amla, Arjun, Poppy  \*\* Incomplete dominance, Codominance, Multiple alleles, Pleiotropy  \*\*\* Development of Sporangia, Steler system |
| Week 4 | 4/02/2019 –  9/02/2019 | \*Licorice, Belladonna, Aconite, Sugarcane  \*\* Complementary , Supplementary, Epistasis, Duplicate genes  \*\*\* Division Psilophyta |
| Week 5 | 11/02/2019 –  16/02/2019 | \*Mango, Grapes, Groundnut, Lemon  \*\* Chromosome theory of heredity, cytoplasmic inheritance, plastid inheritance  \*\*\* Division Lycophyta |
| Week 6 | 18/02/2019 –  23/02/2019 | \*Mustard, Jute, Coir, Flax  \*\* Mitochondrial inheritance in yeast, haemophilia, colour blindness  \*\*\* Filicophyta |
| Week 7 | 25/02/2019 –  02/03/2019 | \*Teak, Shisham, Deodar, Sal  \*\* Mutations  \*\*\*Polypodiacea, Pterophyta |
| Mid Semester Exam | | |
| Week 8 | 11/03/2019 –  16/03/2019 | \* Fennel, Coriander, Turmeric, Ginger  \*\* Characteristics of mutations  \*\*\* Euspornagiopsida |
| Week 9 | 18 /03/2019 –  22/03/2019 | *\** Mint, clove, rice, moong, gram  \*\* Mutagens  \*\*\*Leptosporangiopsida |
| Week 10 | 25/03/2019 –  30/03/2019 | \* Wheat, rice, maize, rice  \*\* Mechanism of mutations  \*\*\* Gleicheniaceae |
| Week 11 | 1/04/2019 –  6/04/2019 | \* Forest conservation  \*\* DNA damage and repair  \*\*\* Hymenophyllaceae |
| Week 12 | 8/04/2019 –  12/04/2019 | \* Wood seasoning  \*\* Types of damage  \*\*\*Protoleptosporagiopsida |
| Week 13 | 15/04/2019 –  20/04/2019 | \* Wood preservation  \*\* Types of repair system in prokaryotes  \*\*\* Revision |
| Week 14 | 22/04/2019 –  27/04/2019 | \* Revision  \*\* Types of repair system in eukaryotes  \*\*\* Revision |
| Week 15 | 29 /04/2019 –  3/05/2019 | \* Revision  \*\* Revision  \*\*\* Revision |