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

**Teaching Plan (Odd Semester) Session (2019-2020)**

**Class: BSc I Sem Name of the Teacher: Mrs Anita Mehta**

**MSc I Sem**

**Subject: Botany Plant Biodiversity Period: BSc 3 (1-3 days)**

**Mycology :MSc Mon(2),Wed(1),Thrus(3)**

**Paper: Paper A** **Room No: 218**

**Paper III 211**

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| **S. No** | **Dates** | **Topics to be Covered** |
| Week 1 | * + 1. 27-07-2019 | \*Plant Diversity Introduction  \*\* General account of Myxomycota |
| Week 2 | 29-07-2019 to 03-08-2019 | \* Plant Diversity: Introduction, Bacteria: Salient Features.  \*\* Viruses: Nomenclature and classification; oomycota |
| Week 3 | 05-08-2019 to 10-08-2019 | \* Bacteria: Types, Cell structure and economic importance.  \*\* Viruses: Morphology & distribution in Host Plants., oomycota |
| Week 4 | 13-08-2019 to 17-08-2019 | \* Algae: General characters, classification, Systematic position.  \*\* Viruses: distribution and Infection in Host Plants. Chytridomycota |
| Week 5 | 19-08-2019 to 24-08-2019 | \*Cyanophyceae:  General Characteristics.  \*\*Viruses: Infection, Replication & transmission of plant viruses. Zygomycota |
| Week 6 | 26-08-2019 to 31-08-2019 | \*Cyanophyceae: structure & life history of Oscillatoria.  \*\*Eubacteria : Nomenclature, classification. zygomycota |
| Week 7 | 02-09-2019 to 07-09-2019 | \* Algae: General characters of Chlorophyceae.  \*\*Eubacteria : structure, reproduction & nutrition, Ascomycota |
| Week 8 | 09-09-2019 to 14-09-2019 | \*Chlorophyceae: Structure and life history of Volvox.  \*\*Economic Importance of Eubacteria., ascomycota |
| Week 9 | 16-09-2019 to 21-09-2019 | \*Chlorophyceae: Structure and life history of Cladophora.  \*\*General account of Archaebacteria. Revision |
| Week 10 | 23-09-2019 to 28-09-2019  (Youth Festival 24-09-2019 to 27-09-2019) | \*General characters of Xanthophyceae and life history of Vaucheria.  \*\*Brief account of MLO’s; Spiroplasma. Basidiomycota |
| Week 11 | 30-09-2019 to 05-10-2019 | \*General characters of Phaeophyceae structure and life history of Dictyota.  \*\*Brief history of Viroids, Mycoviruses., Basidiomycota |
| Mid Semester Exams | | |
| Week 12 | 16-10-2019 to 19-10-2019 | \*General characters of Rhodophyceae Structure and life history of Batrachospermum . Economic importance of Algae.  \*\*Mycorrhiza: Introduction and types of mycorrhizae. Anamorphic fungi |
| Week 13 | 21-10-2019 to 26-10-2019 | \*Fungi: General characters, systematic position, structures, life history of Albugo.  \*\* Ectomycorrhizae and Endomycorrhizae. Tissue system in fungi types of centrum development |
| Week 14 | 29-10-2019 to 02-11-2019 | \*Fungi: structure and life history of Rhizopus and Saccharomyces.  \*\* Important of Mycorrhizae in plant growth and agriculture. |
| Week 15 | 04-11-2019 to 09-11-2019 | \*Fungi: structure and life history of Agaricus and Ustilago.  \*\*Heterokaryosis. |
| Week 16 | 11-11-2019 to 16-11-2019 | \*Fungi: structure and life history of  Puccinia and Colletotrichum.  \*\*Parasexuality. |
| Week 17 | 18-11-2019 to 23-11-2019 | \*General account of Lichens and their economic importance.  \*\* Revision. |
| Week 18 | 25-11-2019 to 30-11-2019 | \*Revision  \*\* Revision |