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

**Teaching Plan Session Odd Semester**

**(2017-18)**

**Class: B.Sc. I Name of the Teacher: Anita Mehta**

**Subject: Plant Diversity-I Period: 5th**

**Paper: B Room No: 218**

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| **S. No** | **Date From** | **Date Upto** | | **Topics to be covered** |
| Week 1 | July 22 & July 24 2017 | July 29, 2017 | | \*Plant Diversity: Introduction, Bacteria: Salient Features. |
| Week 2 | July 31 2017 | Aug 5, 2017 | | \*Bacteria: Types, Cell structure and economic importance. |
| Week 3 | Aug 7, 2017 | Aug 12, 2017 | | \*Algae: General characters, classification, Systematic position,structure & life history of *Oscillatoria*. |
| Week 4 | Aug 14, 2017 | Aug 19, 2017 | | \*Chlorophyceae: Structure and life history of *Volvox* |
| Week 5 | Aug 21, 2017 | Aug 26, 2017 | | \*Chlorophyceae: Structure and life history of *Cladophora* |
| Week 6 | Aug 28, 2017 | Sept 2, 2017 | | \*General characters of Xanthophyceae and life history of *Vaucheria* |
| Week 7 | Sept 4, 2017 | Sept 9, 2017 | | \*General characters of phaeophyceae and Rhodophyceae |
| Week 8 | Sept 11, 2017 | Sept 16, 2017 | | \* Phaeophyceae structure and life history of *Dictyota* |
| Week 9 | Sept 18, 2017 | Sept 23, 2017 | | \*Rhodophyceae: Structure and life history of *Batrachospermum* |
| Week 10 | Sept 25, 2017 | Sept 29, 2017 | | Economic importance of Algae |
| **Autumn Break (30 Sept 2017- 09 Oct 2017)**  **Mid Semester Exam (10 Oct 2017 – 17 Oct 2017)** | | | | |
| Week 11 | Oct 18, 2017 | | Oct 21, 2017 | \*Fungi: Introduction and General characters and classification. |
| Week 12 | Oct 23, 2017 | | Oct 28, 2017 | \*Systematic position, structures, life history of *Albugo* (White rust of Crucifers). |
| Week 13 | Oct 30, 2017 | | Nov 4, 2017 | \*Systematic position,structure and life history of *Rhizopus.* |
| Week 14 | Nov 6, 2017 | | Nov 11, 2017 | \*Systematic position,structure and life history of *Saccharomyces*. |
| Week 15 | Nov 13, 2017 | | Nov 18, 2017 | \*Systematic position,structure and life history of *Agaricus* and *Ustilago* (Loose smut of wheat) . |
| Week 16 | Nov 20, 2017 | | Nov 25, 2017 | \*Systematic position,structure and life history of *Puccinia*(Black rust of Wheat) and *Colletotrichum* ( Red rot of sugarcane). |
| Week 17 | Nov 27, 2017 | | Dec 1, 2017 | General account of lichens and their economic importance. |

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

**Teaching Plan Session Odd Semester**

**(2017-18)**

**Class: M.Sc. I Teacher’s name: Anita Mehta**

**Subject: Mycology and Microbiology Period:**

**Paper: III Room No: 211**

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| **S. No** | **Date From** | **Date Upto** | | **Topics to be covered** |
| Week 1 | July 22 & July 24 2017 | July 29, 2017 | | Recent Trends in the classification of Fungi |
| Week 2 | July 31 2017 | Aug 5, 2017 | | General account of Myxomycota, oomycota |
| Week 3 | Aug 7, 2017 | Aug 12, 2017 | | General account of Chytridiomycota and Zygomycota |
| Week 4 | Aug 14, 2017 | Aug 19, 2017 | | General account of Ascomycota Basidiomycota and anamorphic fungi |
| Week 5 | Aug 21, 2017 | Aug 26, 2017 | | Tissue system in Fungi. |
| Week 6 | Aug 28, 2017 | Sept 2, 2017 | | Types of Centrum development in Ascomycota. |
| Week 7 | Sept 4, 2017 | Sept 9, 2017 | | Heterokaryosis and parasexuality. |
| Week 8 | Sept 11, 2017 | Sept 16, 2017 | | Mycorrhizal applications in agriculture and plant growth. |
| Week 9 | Sept 18, 2017 | Sept 23, 2017 | | Plant Viruses: Nomenclature, classification, morphology, translocation and distribution in host plants. |
| Week 10 | Sept 25, 2017 | Sept 29, 2017 | | Replication and transmission of plant viruses. |
| **Autumn Break (30 Sept 2017- 09 Oct 2017)**  **Mid Semester Exam (10 Oct 2017 – 17 Oct 2017)** | | | | |
| Week 11 | Oct 18, 2017 | | Oct 21, 2017 | Nomenclature and classification and structure of Eubacteria. |
| Week 12 | Oct 23, 2017 | | Oct 28, 2017 | Reproduction and nutrition in Eubacteria. |
| Week 13 | Oct 30, 2017 | | Nov 4, 2017 | Economic importance of Eubacteria. |
| Week 14 | Nov 6, 2017 | | Nov 11, 2017 | General account of Archaebacteria. |
| Week 15 | Nov 13, 2017 | | Nov 18, 2017 | Brief account of MLOs. |
| Week 16 | Nov 20, 2017 | | Nov 25, 2017 | Brief account of spiroplasma. |
| Week 17 | Nov 27, 2017 | | Dec 1, 2017 | Brief account of Viroids and Mycoviruses. |