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

**Teaching Plan Session Even Semester**

**(2017-18)**

**Class:** B.Sc. III(Sem. 6TH) **Name of the Teacher:** Dr Manvi Malwal

M.Sc. II(Sem. 4TH)

**Subject: Paper:**  **Period: Room No:**

B.Sc. IIIPlant PhysiologySection B(Paper- A)3 222

M.Sc. IIForestry (Paper- XVII ) 4&5 211&213

M.Sc. IICytogentics &Plant Breeding (Paper- XVIII) 2&6 213&211

M.Sc. IIResearch Methodology (Paper-XX ) 3&5 213&211

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No** | **Date From** | **Date Upto** | **Topics to be covered** | |
| Week 1 | Jan 08, 2018 | Jan 13, 2018 | B.Sc.III | Photosynthesis significance and historic aspect. |
| M.Sc. II P- XVIII | Quantitive genetics , polygenic inheritance |
| M.Sc. II P- XVII | Forestry general account and silviculture |
| M.Sc. II P-XX | Research methodology demonstration |
| Week 2 | Jan 15, 2018 | Jan 20, 2018 | B.Sc.III | Pigments, photophosphorylation, C3, C4, CAM &C2cycle, |
| M.Sc. II P- XVIII | Heribility and its measurements |
| M.Sc. II P- XVII | Vegetative propagation techniques, nursery |
| M.Sc. II P-XX | Experimental design |
| Week 3 | Jan 22, 2018 | Jan 27, 2018 | B.Sc.III | Factors affecting photosynthesis, transport of organic solute |
| M.Sc. II P- XVIII | QTL mapping |
| M.Sc. II P- XVII | Natural seed regeneration |
| M.Sc. II P-XX | Techniques demonstartion |
| Week 4 | Jan 29, 2018 | Feb 3, 2018 | B.Sc.III | Respiration: ATP aerobic and anerbic respiration |
| M.Sc. II P- XVIII | Human genetics |
| M.Sc. II P- XVII | Forest acts, Forest protection from diseases |
| M.Sc. II P-XX | Review of literature |
| Week 5 | Feb 5, 2018 | Feb 10, 2018 | B.Sc.III | Kreb cycle, ETC |
| M.Sc. II P- XVIII | Pedigree analysis, genetic disorders |
| M.Sc. II P- XVII | Social and urban forestry detailed account |
| M.Sc. II P-XX | Experimental design |
| Week 6 | Feb 12, 2018 | Feb 17, 2018 | B.Sc.III | Redox potential ,oxidative phosphorylation |
| M.Sc. II P- XVIII | Multigene family |
| M.Sc. II P- XVII | General account of forest laws and conservation |
| M.Sc. II P-XX | Experimental design |
| Week 7 | Feb 19, 2018 | Feb 24, 2018 | B.Sc.III | Pentose Phosphate pathway |
| M.Sc. II P- XVIII | Multigene family evolution |
| M.Sc. II P- XVII | Salient features of Indian forest act 1972 |
| M.Sc. II P-XX | Experimental design |
| Week 8 | Feb 26, 2018 | Mar 03 , 2018 | B.Sc.III | Respiratory quotient |
| M.Sc. II P- XVIII | Plant Breeding General Account |
| M.Sc. II P- XVII | Different methods employed for conservation of forests. |
| M.Sc. II P-XX | Experimental design |
| **2nd week March (Mid Semester Exam)** | | | | |
| Week 9 | March 12, 2018 | March 17, 2018 | B.Sc.III | Growth and development general account, |
| M.Sc. II P- XVIII | Conventional methods of Self & cross pollinated crops. |
| M.Sc. II P- XVII | Forests types: climate of India |
| M.Sc. II P-XX | Experimental design |
| Week 10 | March 19 , 2018 | March 24, 2018 | B.Sc.III | kinetics of growth , plant movements |
| M.Sc. II P- XVIII | Heterosis and hybrid and its role in plant breeding |
| M.Sc. II P- XVII | Different climatic regions of India |
| M.Sc. II P-XX | Experimental design |
| Week 11 | March 26, 2018 | March 31, 2018 | B.Sc.III | Photoperiodism physiology of flowering , florigen concept |
| M.Sc. II P- XVIII | Utility of hybrids in genetics and plant breeding |
| M.Sc. II P- XVII | Characters and distributions of different climatic regions of India |
| M.Sc. II P-XX | Experimental design |
| Week 12 | April 02, 2018 | April 07, 2018 | B.Sc.III | History and role of plant hormones- auxins and gibberellins |
| M.Sc. II P- XVIII | Breeding methods |
| M.Sc. II P- XVII | Forests types of India |
| M.Sc. II P-XX | Experimental design |
| Week 13 | April 09, 2018 | April 14 , 2018 | B.Sc.III | History & role of plant hormones- cytokinins and ABA |
| M.Sc. II P- XVIII | Asexual breeding system |
| M.Sc. II P- XVII | General effects of forests on climate. |
| M.Sc. II P-XX | Research work compilation |
| Week 14 | April 16, 2018 | April 21, 2018 | B.Sc.III | History and role of plant hormones- ethylene |
| M.Sc. II P- XVIII | Gene variability |
| M.Sc. II P- XVII | Polyploidy |
| M.Sc. II P-XX | Research work compilation |
| Week 15 | April 23, 2018 | April 28, 2018 | B.Sc.III | Biotechnology general account |
| M.Sc. II P- XVIII | Male sterility |
| M.Sc. II P- XVII | Social values and ecotourism |
| M.Sc. II P-XX | Research work compilation |
| Week 16 | April 30, 2018 | May 05, 2018 | B.Sc.III | Plant tissue culture importance and Somatic hybridization |
| M.Sc. II P- XVIII | Breeding utility |
| M.Sc. II P- XVII | Economic values, floods, green belts and control of temp |
| M.Sc. II P-XX | Research work compilation |