**P.G. GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester**

**Session (2018-19)**

**Classes:** B.Sc. III(Sem. 6TH) **Name:** Dr. Manvi Malwal

M.Sc. II(Sem. 4TH)

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

B.Sc. IIIPlant PhysiologySection B(Paper- A)1 (Th,Fri,Sat) 219

M.Sc. IiForestry (Paper- Xvii ) 4&5(Mon,Wed,Th,Fri) 211

M.Sc. IiCytogentics &Plant Breeding (Paper- Xviii) 5 (Tue,Fri) 211

M.Sc. IiResearch Methodology (Paper-Xx ) 6 (Sat) 213&211

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| **S. No** | **Dates** | | **Topics to be covered** | | | |
| Week 1 | 14 /01/2019 – 19/01/2019 | | 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 | 21/01/2019 –  25/01/2019 | | 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 | 28/01/2019 –  2/02/2019 | | 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 | 4/02/2019 –  9/02/2019 | | 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 | 11/02/2019 –  16/02/2019 | | 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 | 18/02/2019 –  23/02/2019 | | 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 | 25/02/2019 –  02/03/2019 | | 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 | |
| **Mid Semester Exam** | | | | | | |
| Week 8 | | 11/03/2019 –  16/03/2019 | | 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 |
| Week 9 | | 18 /03/2019 –  22/03/2019 | | 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 | | 25/03/2019 –  30/03/2019 | | 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 | | 1/04/2019 –  6/04/2019 | | 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 | | 8/04/2019 –  12/04/2019 | | 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 | | 15/04/2019 –  20/04/2019 | | 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 | | 22/04/2019 –  27/04/2019 | | 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 | | 29 /04/2019 –  3/05/2019 | | B.Sc.III | | Biotechnology general account |
| M.Sc. II P- XVIII | | Male sterility , Breeding utility |
| M.Sc. II P- XVII | | Social values and ecotourism Economic values, floods, green belts and control of temp |
| M.Sc. II P-XX | | Research work compilation |