

BOTANY FINAL Yr. LESSON PLAN

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Cham

Theory

Course - Plant Anatomy and Embryology

Sem. - 6<sup>th</sup>

Course Code - B23-BOT-601

Course Type - CC-6/MCC-11

In February - Objective and Scope of Plant Anatomy, Meristematic and Permanent Tissue, types of Permanent tissue, Plant Secretory tissue, Tissue System, types of Vascular Bundle, SAM anatomy, Anatomy of Monocot & Dicot Root, stem, leaves, Anamolous 2<sup>o</sup> growth.

In March - RAM Anatomy, Phyllotaxy, Modifications in Roots like Respiratory, Storage and Epiphytic Roots. Flower as a modified shoot, Microsporangium and its Wall.

In April - Microsporogenesis, Pollen grain & its structure, pollen-pistil Interaction, Pollination & its type, Megasporangium & megasporogenesis, types of female gametophyte.

10<sup>th</sup> of May - Double fertilization, Embryogenesis, structure of seed & dispersal Mechanism.

Course - Floriculture

Sem. - 4<sup>th</sup>

Course Code - B23-BOT-209

Course Type - VOC-2

In February -

Importance of Floriculture and its  
Scope, Sexual and Vegetative Propagation,  
Soil sterilization, Wintering, Topiary and  
other techniques like Planting, Transplanting  
Flowering Annuals, Herbaceous perennial,  
Ornamental and Bulbous plant, Cacti  
and succulent.

In March - Cultivation of plants in pots,  
ferns and Selaginella, Bonsai, Indoor Gardening  
Principles of Garden designs like English,  
Italian, French, Persian, Mughal and Jasmine

In April - Landscaping of Places of Public Impor-  
tance, Factors affecting Flower  
Production, Flower Arrangement, Methods to  
prolong vase life.

1st week of May - Cultivation of Important Cut  
Flowers, Diseases & Pests.