

ADIKAVI NANNAYA UNIVERSITY
RAJAMAHENDRAVARAM
CBCS / Semester System
(From 2015 - 16 Admitted Batch)
FORESTRY
III SEMESTER SYLLABUS
SILVICULTURE

1. General Silvi cultural principals: Growth forms and reproduction of trees and crops.
2. The stem: Bole form; Natural pruning, taper, buttressing, fluting and size of trees.
3. Stem structure: Bark, Cambium and wood.
4. Root: Forms of roots, adaptability,
5. Mycorhiza, root nodules, parastitic roots and biofertilizers.

Practicals:

Silviculture

1. Designing a forest farm : Nursery and nursery techniques : Rearing of saplings for social forestry.
2. Study of natural regeneration with reference to local vegetation.
3. Plantation with reference to local species and plantation programme.
4. Study of Primary and Secondary structures of Stem and Root.
5. Visit to a afforestation programmes of local areas.

Books for Reference:

1. Theodore W.Daniel, Principles of Silviculture.
2. Philip R. Larson, Stem form development of Forestries.