

B.Sc. 6th Semester (Honour's) Examination, 2021
FORESTRY

Course ID: 63511

Course Code: **SH/FST/ SA 3209**

Course Title: Plantation Forestry

Full Marks: 50

Time: 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable*

- I. Write a definition or one sentence answer any 10 of the following 1 x 10 =10
1. Cover crops
 2. Mechanical thinning
 3. Thinning regimes
 4. Commercial bole height
 5. Basal area
 6. Sustained yield
 7. Tending operation
 8. CAI stands for
 9. Silviculture
 10. NTFPs stands for
 11. Petro crops
 12. Shifting cultivation
 13. Write down scientific name of two tree species used in paper industry
 14. Plantation
 15. Farm forestry
- II. Write short note/ define any 10 of the following 2x10 = 20
1. Choice of species
 2. Plantation journal
 3. Road side plantation
 4. Write down botanical name of four tree species suitable for mountain temperate region.
 5. Energy plantation
 6. Short rotation plantation
 7. Write down botanical name of four tree species suitable for degraded land.
 8. Growing stock
 9. Stand density
 10. Paper and pulp
 11. Age class
 12. Commercial forest
 13. Forest diversity
 14. Avenue plantations
 15. Difference between CAI and MAI
- III. Write down in brief any four (4) of the following 5x4=20
1. Give a brief account of the history of plantation in India.
 2. Describe the role of economic factors in plantation development.

3. Factors affecting in plantation growth and development.
4. What is tending operation? Describe its importance for plantation growth and development.
5. Describe dynamics of stand growth.
6. Major pests and diseases of Teak plantations.