



# KERALA AGRICULTURAL UNIVERSITY

B.Sc. Forestry 2014 Admission

6<sup>th</sup> Semester Final Examination-July-2017

Cat. No: Safo.3213

Title: Plantation Forestry (1+1)

Marks: 50

Time: 2 hours

## I Fill up the blanks/Define/True or False

(10x1=10)

1. In India, Eucalyptus was first introduced in -----
2. *Melia dubia* is an important plantation forestry species used for manufacture of -----
3. Cutting back of the main stem at 4 to 5 m above the ground level usually above the reach of grazing cattle is termed as -----
4. Other name for crown thinning is -----

## State True or False

5. Plantations are usually of regular shape with fixed and clearly defined boundaries.
6. Casuarinas can be managed under High Density Short Rotation.
7. Wood of tree species with high calorific value are suitable for energy plantations.
8. The fruits of *Terminalia arjuna* yield fruit tan.

## Define

9. NTFP
10. Stocking

## II Write short notes on any FIVE of the following

(5x2=10)

1. Plantation journal
2. Importance of weeding in plantations
3. Silvicultural rotation
4. Economic factors governing plantation management.
5. Planting patterns
6. Site preparation for plantations
7. Effect of rotation on wood quality

## III Write short answers to any FIVE

(5x4=20)

1. National land use policies.
2. Effect of rotation on yield.
3. Alternative methods for maintaining soil fertility without using mineral fertilizer.
4. Wood characteristics of pulpwood tree species
5. Potential of plantations in carbon sequestration
6. Indigenous vs Exotic tree species
7. Stand growth dynamics

## IV Write essay on any ONE

(1x10=10)

1. Define: Thinning. Explain the different kinds of thinning.
2. Explain the importance and present status of plantation forestry in India with suitable examples.

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