

# KERALA AGRICULTURAL UNIVERSITY

B.Sc.Hons (Forestry) Degree Programme 2015 Admission

II<sup>nd</sup> Semester Final Examination-August -2016

Cat. No: Safo.1203

Marks: 50.00

Title: Practices of Silviculture (1+1)

Time: 2 hours

## I. Fill up the blanks

(10 x 1 = 10)

1. The renewal of a forest crop by self-sown seed or by coppice or root suckers is \_\_\_\_\_.
2. In Malayalam, *Taungya* is locally called as \_\_\_\_\_.
3. \_\_\_\_\_ is an operation carried out for the benefit of a forest crop at any stage of its life between seedling and mature stages.
4. Method of sowing normally adopted for larger seed is \_\_\_\_\_.
5. Coppice shoot arise from a living stump or stool is known as \_\_\_\_\_.
6. Elite thinning is also called as \_\_\_\_\_.
7. Forest regenerated from seed are called \_\_\_\_\_.

## State True or False

8. The trees produced by root suckers are liable to wind-throw.
9. In clear-felling system the mature crop is removed in one operation.
10. Restocking of a felled or otherwise cleared woodland is known as Afforestation.

## II. Answer short notes on any FIVE questions

(5 x 2 = 10)

1. Improvement felling
2. Regeneration Survey
3. Advance growth
4. Shelterbelts
5. Stump
6. Crown Thinning
7. Nurse crop

**III. Answer any FIVE questions**

(5 x 4 = 20)

1. Explain the different kinds of sowing
2. Write about the various types of containers used in forest nurseries
3. Define Seed orchards. What are its advantages
4. Explain the different presowing seed treatments followed for tree species
5. Discuss the relative merits of direct sowing and planting
6. Write in detail about the kinds of fences used in forest plantations
7. Explain the factors governing natural regeneration from seeds

**IV Write essay on any ONE question**

(1 x 10 = 10)

1. Define Thinning. Explain the different kinds of thinning followed in forest crops
2. Define Taungya. Write in detail about the kinds of taungyas and list out the advantages and disadvantages

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