

# KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry. 2013 Admission  
III<sup>rd</sup> Semester Final Examination- March-2015

Cat. No: Safo.2105

Title: Silvicultural System(2+0)

Marks: 50

Time: 2 hours

## I) Fill up the blanks

(10 x 1=10)

1. \_\_\_\_\_ are those silvicultural systems in which the crop originates mainly from coppice
2. The group system was first developed by \_\_\_\_\_
3. The English meaning of the German term "DAUERWALD" is \_\_\_\_\_
4. The culm-Selection system in bamboo was suggested by \_\_\_\_\_

## State True or False

5. In high Forest System the rotations is generally short
6. The shelterwood System is also known as System of Successive Regeneration Fellings
7. In Two-Storeyed High Forest System the canopy can be differentiated into two strata
8. The character of the crop produced under coppice selection system is even -aged

## Define

9. Felling cycle
10. Coupe

## II Write short notes on any FIVE

(5 x 2=10)

1. Taungya
2. The formulae for calculating the area of the Periodic Block
3. High Forest -with -Reserve System
4. How the selection system differs from other systems
5. Wedge System
6. Uniform system for Sal
7. Define -The Alternate -Strip System with diagram

## III Write short essays on any FIVE of the following

(5 x 4 =20)

1. Applicability of the Uniform System
2. Culm selection system in Bamboo
3. Coppice with Selection system
4. Differentiate between the Coppice of Two rotations System and the Shelter wood Coppice System
5. What are the operations usually done in Improvement of fellings
6. Andaman canopy lifting system
7. The pattern of felling in the Group System

IV. Write essay on ANY ONE

(1 x 10=10)

1. Write the advantages and disadvantages of the Clear -Felling System over other systems
2. Discuss the conversion and its implications .Explain Dauerwald concept for continuous unbroken forest cover

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