

**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc (Hons.) Forestry Degree Programme 2014 Admission.**  
**IV<sup>th</sup> Semester Final Examination-August.2016**

Cat: No: Safo.2105

Marks: 50

Title: Silvicultural Systems (2+0)

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. Improvement felling comes under \_\_\_\_\_ silvicultural system.
3. The group system was first developed by \_\_\_\_\_
4. The change from one silvicultural system to another is called \_\_\_\_\_
5. The English meaning of the German term "DAUERWALD" is \_\_\_\_\_
6. Allapalli technique for teak comes under \_\_\_\_\_ silvicultural system.
7. The 'Culm-Selection system' in bamboo was suggested by \_\_\_\_\_
8. \_\_\_\_\_ silvicultural system is applied for steep slopes
9. The time that lapse between successive main fellings on the same area is called \_\_\_\_\_
10. Under \_\_\_\_\_ felling high value trees are felled from an area.

**II Write short notes on any FIVE.**

(5 x 2=10)

1. What are the main objects of classification of silvicultural system?
2. Write on the methods of obtaining regeneration in a clear felling system.
3. Give the formulae for calculating the area of the Periodic Block.
4. What factors are to be considered to regulate the speed of conversion?
5. Describe High Forest-with-Reserve System.
6. What are the conditions for application of selection system?
7. Define-The Alternate-Strip System with diagram.

**III Write short essay on any FIVE**

(5 x 4=20)

1. List out the applicability of the Uniform System.
2. What factors decide the length of the regeneration period?
3. Write the DAUERWALD concept for continuous and unbroken forest cover.
4. Explain in detail on simple coppice system.
5. Differentiate between the Coppice of Two Rotations System and the Shelter wood Coppice System.
6. Explain the Wagner's Blender Saumschlag system.
7. Explain the pattern felling in the Group System.

**IV Write Essay on any ONE**

(1 x 10=10)

1. The advantages and disadvantages of the Clear-felling Systems over other Systems.
2. List out the factors decide the choice of Silvicultural Systems.

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