

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry 2015 Admission
IIIrd Semester Final Examination- February-2017

Cat. No: Safo.2105.

Title: Silvicultural System (2+0)

Marks: 50.00

Time: 2 hours

I Fill up the following

(10x1=10)

1. ----- are those silvicultural systems in which the crop originates mainly from coppice.
2. The group system was first developed by -----
3. The culm-Selection system in bamboo was suggested by -----
4. The English meaning of the German term "DAUERWALD" is -----
5. The period required to regenerate the whole area of periodic block is known as -----
6. The removal or destruction of less valuable trees in a crop in the interest of better growth of more valuable individuals is known as -----
7. The shelterwood coppice system was developed by ----- scientist.
8. ----- are those silvicultural systems in which the regeneration is normally of seeding origin.
9. ----- is a common man's timber.
10. In Shelterwood – Strip system the width of the strip varies from -----

II Write short notes on any FIVE

(5x2=10)

1. Taungya
2. The formulae for calculating the area of the Periodic Block.
3. Wedge System
4. Discuss different kinds of thinning.
5. Improvement fellings.
6. Regeneration fellings in shelterwood system.
7. Pollard System

III Write short answers on any FIVE

(5x4=20)

1. Culm selection system in Bamboo
2. Andaman canopy lifting system
3. What is uniform system? Explain the concept of periodic blocks and pattern of felling in this system.
4. Compare between coppice with standards and coppice with reserve systems.
5. Bamboo felling rules applicable to all treatment types.
6. Define – 'The Simple Coppice System' and give the details about pattern, season and method of felling and mode of regeneration.
7. The Strip and Group System.

IV Write essay on any ONE

(1x10=10)

1. Classification of Silvicultural Systems.
2. Write the advantages and disadvantages of the Clear – Felling System over other systems.
