



Safo.1103

KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Forestry 2018 Admission
I Semester Final Examination-February 2019

Principles of Agroforestry (1+1)

Marks: 50
Time: 2 hours

- I State True or False (10x1=10)**
- 1 Manipulation of tree crown is only option for minimizing negative interaction in Agroforestry.
 - 2 Silvipastoral system is combination of fruit trees and tree components.
 - 3 The yields obtained in negative interactions in Agroforestry are complementarities.
 - 4 Species selected for Agroforestry should have big crown.
 - 5 The tree management in agroforestry depends only on silvicultural requirement of the species.
- Fill in the blanks**
- 6 Wind breaks and shelterbelts are.....system in Agroforestry
 - 7primitive cyclic land use system.
 - 8 The description of the chemicals released by plant communities in the interactions was dealt by.....
 - 9 The Book Agroforestry in India was written by.....
 - 10 The classification of agroforestry systems was given by.....
- II Write Short notes on any FIVE of the following (5x2=10)**
- 1 Nutrient cycling by trees.
 - 2 Tree crop interactions.
 - 3 Tree management in agroforestry.
 - 4 Ecosystem services of Agroforestry.
 - 5 MPTS and their characteristics.
 - 6 Ecological benefits of agroforestry.
 - 7 Milestones in Indian Agriculture development.
- III Answer any FIVE of the following. (5x4=20)**
- 1 Methods for improving negative interactions in agroforestry.
 - 2 Mention the agroforestry classification based on structure
 - 3 Problems of Indian Agriculture and constraints.
 - 4 Agroforestry enhance soil productivity. Justify the statement.
 - 5 Carbon sequestration through agroforestry.
 - 6 Allelopathy and its impact on productivity of crops.
 - 7 Payment for provisioning services in agroforestry.
- IV Answer any ONE of the following (1x10=10)**
- 1 Feature of National Agroforestry policy-2014.
 - 2 History of Agroforestry and Research in India.
