

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry. 2013 Admission
IVth Semester Final Examination- August-2015

Cat. No: Safo.2208

Title: Agro-forestry system and Management (2+1)

Marks: 50

Time: 2 hours

I Fill up the blanks

(10 x 1=10)

1. _____ is an agroforestry tree species influencing the livelihood security of people in the western arid Zones of India
2. Javanese homegardens are commonly known as _____
3. Homegradens are examples of _____
4. _____ is an example for agri-silvicultural system
5. What is IPCC
6. What is WAC ,where it is located
7. Expand the following
 - a) CSWCRTI
 - b) NRCAF
8. Three attributes of Agro-forestry
9. Define agro forestry
10. Differentiate between agroforestry system and practice

II Write short notes on any FIVE

(5 x 2=10)

1. Shifting cultivation
2. Alley cropping
3. Taungya
4. Phytoremediation
5. Wind breaks
6. Agrosilvopastoral systems
7. Kyoto protocol

III Write short notes on any FIVE

(5 x 4=20)

1. Desirable characteristics of agroforestry tree species
2. Discuss on the most prominent agroforestry systems for the humid tropics
3. Elaborate on the factors that make agroforestry a sustainable landuse practice
4. Climate change mitigation and agroforestry
5. Tree management practices in agroforestry
6. Commercial crops under the shade of planted trees
7. Soil and water conservation under agroforestry

IV Write essay on ANY ONE

(1 x 10=10)

1. Structural and functional dynamics of tropical homegardens
2. Broad classification of agroforestry systems