

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Forestry 2016 Admission
1st Semester Final Examination- March-2017

Cat. No: Safo 1103.

Marks: 50.00

Title: Principles of Agroforestry (1+1)

Time: 2 hours

I. Fill up the blanks

(10x1=10)

1. Alley cropping is also known as _____
2. Central Agroforestry Research Institute is located in _____
3. Headquarters of World Agroforestry Centre is in _____
4. Protein bank is an example of _____ system
5. _____ is the allelochemical produced by *Eucalyptus* species
6. _____ is termed as Tree-crop interaction equation
7. _____ is an example for complementary interaction
8. An example for negative interaction is _____
9. National Agroforestry policy was formulated in the year _____
10. Competition is also termed as _____

II. Write short notes/answers etc on ANY FIVE

(5x2=10)

1. Define Agroforestry.
2. Write short notes on nutrient cycling.
3. Define Commensalism with an example.
4. Write short notes on the role of agroforestry in carbon sequestration.
5. Write short notes on the ecological classification of agroforestry systems.
6. Define Tree-crop interaction.
7. Write about the significance of agrobiodiversity.

III. Answer any FIVE questions

(5x4=20)

1. Explain the impacts of green revolution in India.
2. List out the various components in agroforestry. Explain their significance.
3. Briefly explain the various negative interactions with suitable examples.
4. Write about the various crop management practices in agroforestry.
5. What are the ideal characteristics for a tree to be suitable for agroforestry?
6. Write about the ecosystem services provided by agroforestry.
7. Explain the scope of agroforestry in India.

IV. Write Essay on ANY ONE

(1x10=10)

1. Explain about the various tree-crop interaction in agroforestry by citing suitable examples.
2. Write in detail about the classification of agroforestry systems.
