

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Agriculture 2014 Admissions
Vth Semester Final Examination- February - 2017

Cat. No: Agro.3108

Marks: 50.00

Title: Cropping Pattern and Farming Systems (1+1)

Time: 2 hours

I Fill up the blanks

(10x1=10)

1. Growing two or more crops in the same field in one year is called -----
2. Number of crops grown on the same land in any one year is -----
3. The best suited crop in cassava based farming system is -----
4. An assortment of different crop plants grown together around the house is called -----
5. The integration of tourism as a component in farming system is -----
6. The active root zone of coconut is confined around the bole to an area of -----
7. The chemical substances released by one species may inhibit the species of plants other than the one releasing it is known as -----
8. A system in which crops and pastures are alternated on the same field-----
9. Different cropping and farming systems done together is called -----
10. ----- is a variety of cassava suited for intercropping in coconut garden.

II Write short notes/answers on any FIVE of the following

(5x2=10)

1. Crop Cafeteria
2. Legume effect
3. Alley cropping
4. Aggressivity
5. LER
6. Taungya cultivation
7. Live-mulch farming

III Write short answers on any FIVE

(5x4=20)

1. Land Equivalent Coefficient.
2. Crop rotation.
3. Coconut based multi-tier cropping system.
4. Measures to minimize competition in intercropping systems.
5. Cassava based farming system
6. How does mixed farming differ from diversified farming? What are the advantages of mixed farming?
7. Intercropping.

IV Write essay on any ONE

(1x10=10)

1. Explain how organic recycling is possible in integrated farming system. Draw a flow chart and discuss.
2. List out the two major cropping systems prevalent in Kerala and explain any one of them in detail.
